DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

September 25, 2026

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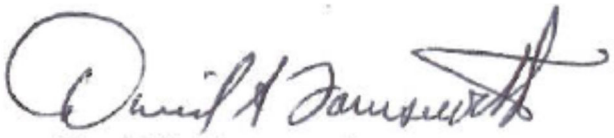
SUBJECT: Final Operations and Maintenance and Air Sampling Report (1st Quarter 2025), SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and SD052-02 Building 775 Site (Buildings 774 and 776) Sub-Slab Vapor Mitigation Systems, Former Griffiss Air Force Base, Rome, New York. (September 2026)

Accompanying this letter, please find the following document for the former Griffiss Air Force Base for your records.

- Final Operations and Maintenance and Air Sampling Report (1st Quarter 2025), SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and SD052-02 Building 775 Site (Buildings 774 and 776) Sub-Slab Vapor Mitigation Systems, Former Griffiss Air Force Base, Rome, New York

The February and March 2025 events reported that the sub-slab samples at Buildings 774, 776, 785, and 786 were below the sub-slab screening level of 99 µg/m3. The respective indoor air samples were reported below the indoor air screening level of 3 µg/m3. Air sample results evaluated in **Tables 1** and **2** (USEPA Soil Vapor/Indoor Air Matrix) indicate "no action" based on analytical results for the air samples at Buildings 774, 776, 785, and 786 during the 2024/2025 heating season. The air sample results evaluated in **Table 3** (NYSDOH Soil Vapor/Indoor Air Matrix) indicates "no further action" for air samples collected at Buildings 774, 776, 785, and 786 during the 2024/2025 heating season.

Should you have any questions or concerns please contact me at 518-563-2871 or david.farnsworth@us.af.mil.



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Attachment: Final Operations and Maintenance and Air Sampling Report (1st Quarter 2025), SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and SD052-02 Building 775 Site (Buildings 774 and 776) Sub-Slab Vapor Mitigation Systems, Former Griffiss Air Force Base, Rome, New York. (September 2026)

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Final
Operations and Maintenance and Air Sampling Report
(1st Quarter 2025)
SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and SD052-02 Building 775 Site (Buildings 774 and 776) Sub-Slab Vapor Mitigation Systems
Former Griffiss Air Force Base
Rome, New York

September 2026

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Contract No: FA8903-20-D-0001
Document Control No.: NEBECOS-0610-GRI

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ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AFRPA	Air Force Real Property Agency
AOC	Area of Concern
bgs	below ground surface
Bhate	Bhate Environmental Associates, Inc.
CAPE	CAPE Environmental
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminant of concern
DCE	dichloroethene
DoD	Department of Defense
DVR	data validation reports
EEEPC	Ecology and Environment Engineering, P.C.
ft	feet
ft^2	square feet
FPM	FPM Remediations, Inc.
FS	Feasibility Study
GAC	granular activated carbon
HI	hazard index
IRA	Interim Remedial Action
J	Laboratory flag indicating an estimated concentration
LUC	Land Use Control
µg/L	microgram per liter
$µg/m^3$	microgram per cubic meter
mL/min	milliliter per minute
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	Operations and Maintenance
OSWER	Office of Solid Waste and Emergency Response
QC	quality control
QSM	Quality System Manual
RAO	Remedial Action Objective
RI	Remedial Investigation
ROD	Record of Decision
ROI	radius of influence
RSL	Regional Screening Level
scfm	standard cubic feet per minute

SDG	Sample Delivery Groups
SI	Supplemental Investigation
SIM	Selected Ion Monitoring
SSVM	sub-slab vapor mitigation
SVI	soil vapor intrusion
TCE	trichloroethene
U.S.	United States
USAF	U.S. Air Force
USEPA	U.S. Environmental Protection Agency
VC	vinyl chloride
VMP	vapor monitoring point
VOC	volatile organic compound
w.g.	water gauge

1 INTRODUCTION

Bhate Environmental Associates, Inc. (Bhate), in association with Environmental Chemical Corporation, was retained by the Air Force Civil Engineer Center (AFCEC), under Contract Number FA8903-20-D-0001, to perform and optimize the Operations and Maintenance (O&M) on sub-slab vapor mitigation (SSVM) systems associated with soil vapor intrusion (SVI) at Sites SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and SD052-02 Building 775 Site (Buildings 774 and 776) at the former Griffiss Air Force Base (AFB) in Rome, New York (**Figure 1**). These two areas with SSVM systems are collectively referred to as SD052-SVI. In accordance with the *Final Record of Decision* [ROD] *Soil Vapor Intrusion at SD052-02 Building 775 Site (Buildings 774 and 776) and SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) Former Griffiss Air Force Base, Rome, New York* (AFCEC, September 2016) (herein referred to as the ROD), the selected remedy for the two SVI sites was horizontal sub-slab depressurization.

Bhate has prepared this O&M Report in accordance with Contract Number FA8903-20-D-0001. This report also presents the air sampling activities conducted in February and March 2025, along with O&M activities performed in the 1st quarter of 2025 at SD052-SVI.

The following SD052-SVI sites are addressed in this report:

- Buildings 785 and 786 (SD052-01 Apron 2 Chlorinated Plume Site)
- Buildings 774 and 776 (SD052-02 Building 775 Site)

1.1 Griffiss AFB Operational History

The mission of the former Griffiss AFB varied over the years. The base was activated on 1 February 1942 as Rome Air Depot with the mission of storage, maintenance, and shipment of material for the United States (U.S.) Army Air Corps. Upon creation of the Air Force in 1947, the depot was renamed Griffiss AFB. The base became an electronics center in 1950, with the transfer of Watson Laboratory Complex (later Rome Air Development Center [1951], Air Force Research Laboratory/Rome Research Site), the Information Directorate at Rome Research Site was then established with the mission of applied research, development, and testing of electronic air-ground systems. The headquarters of the Ground Electronics Engineering Installations Agency was established in June 1958 to engineer and install ground communication equipment throughout the world. The 49th Fighter Interceptor Squadron served at Griffiss AFB from 1959 until its inactivation in 1987. On 1 July 1970, the 416th Bombardment Wing of the Strategic Air Command was activated with the mission of maintenance and implementation of both effective air refueling operations and long-range bombardment capability. Griffiss AFB was designated for realignment under the Base Realignment and Closure Act in 1993 and 1995, resulting in deactivation of the 416th Bombardment Wing in September 1995.

1.2 Environmental Background

Hazardous and toxic substances were used during the various national defense missions carried out at the former Griffiss AFB since 1942. Hazardous wastes were generated, stored, or disposed of at various sites on the installation. The defense missions involved were, among others: the procurement, storage, maintenance, and shipment of war material; research and development; and aircraft operations and maintenance.

Pursuant to Section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Griffiss AFB was included on the National Priorities List (NPL) on 15 July 1987. On August 21, 1990, the U.S. Air Force (USAF), the U.S. Environmental Protection Agency (USEPA), and the New York State Department of Environmental Conservation (NYSDEC) entered into a Federal Facilities Agreement under Section 120 of CERCLA. On 20 March 2009, 2,897.2 of the 3,552 acres were deleted from the NPL.

1.3 Purpose and Goals

This report presents the air sampling activities, O&M activities, and results on a site-by-site basis including a general overview of site conditions, results of the monitoring, summary and conclusions, and recommendations for ongoing remedial actions, monitoring, and reporting. The goal of this report is to assess the selected remedy, SSVM, presented in the ROD (AFCEC, September 2016) and to ensure the protection of human health and the environment at Buildings 785 and 786 (SD052-01 Apron 2 Chlorinated Plume Site) and Buildings 774 and 776 (SD052-02 Building 775 Site).

1.4 Basis for Air Sampling

As indicated in the ROD, the SVI potential at Site SD052-01 Apron 2 Chlorinated Plume Site (Building 785 and 786) and SD052-02 Building 775 Site (Buildings 774 and 776) are the result of contaminated groundwater beneath the buildings. The results from the 2010 Feasibility Study (FS) for SVI at Buildings 774, 776, 785, and 786 (FPM Remediations, Inc. [FPM], February 2010) indicated that the contaminants of concern (COCs) are confined to volatile organic compounds (VOCs). A meeting was held between the Air Force, Air Force Institute of Occupational Health, NYSDEC, New York State Department of Health (NYSDOH), and the USEPA on 13 December 2007 to discuss the SVI survey findings. During this meeting, it was decided that although chloroform was detected above the screening level it was not a COC (FPM, April 2008).

Sampling locations and site features at Buildings 785 and 786 and Buildings 774 and 776 are shown on **Figure 2** and **Figure 3**, respectively. Groundwater contaminant plumes depicted on those figures are based upon the August 2022 groundwater sampling presented in the *Final 2022 Annual Performance Monitoring Report, On-Base Groundwater Remediation, Former Griffiss AFB, Rome, New York* (Bhate, December 2023).

1.5 Regulatory Screening Criteria

In accordance with Section 8 (Remedial Action Objectives) of the ROD (AFCEC, September 2016), screening levels for air sample results are based on applicable NYSDOH criteria and pertinent USEPA Regional Screening Levels (RSLs). Sub-slab soil gas and indoor air laboratory results for trichloroethene (TCE), the COC for the SD052 soil vapor intrusion remedy, were compared to the NYSDOH "*no further action*" screening criteria (NYSDOH, October 2006, May 2017 update) and/or USEPA industrial/commercial air RSLs, Target Hazard Quotient = 1.0 and Hazard Quotient = 0.1 (USEPA, May 2024).

The screening criteria for both NYSDOH and USEPA are presented in decision matrices (**Tables 1**, **2**, and **3)** that provide guidance on a case-by-case basis about actions that should be taken to address current and potential exposures related to SVI. USEPA matrices were provided by Mr. Robert Morse, Remedial Project Manager, USEPA Region 2, Emergency and Remedial Response Division, on 6 September 2017.

The USEPA risk screening criteria (**Tables 1 and 2**) are derived from the Office of Solid Waste and Emergency Response *(OSWER) Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air* (USEPA, June 2015, June 2017 Errata) and the current USEPA Vapor Intrusion Screening Levels, which are periodically updated to incorporate the latest toxicity values and scientific information. Under the USEPA industrial/commercial TCE cancer risk scenario to achieve "*no action*" criteria, indoor air needs to be below the industrial/commercial air RSL for TCE of 3 micrograms per cubic meter (µg/m^3) and corresponding sub-slab results need to be below 99 µg/m^3, which is based on 33 times the Indoor Air Screening Level (USEPA, November 2024). Furthermore, the USEPA Industrial/Commercial TCE non-cancer hazard scenario requires the indoor air and sub-slab concentrations to be below the hazard index (HI) of 1.0. The established criteria by NYSDOH and USEPA are intended to prevent individual human exposure to soil gas vapor levels within buildings at unacceptable levels represented by an excess cancer risk greater than 1 x 10^{-6} and a potential non-cancer hazard for a HI greater than one.

The USEPA's updated vapor intrusion guidance (USEPA, June 2017) is available at: https://www.epa.gov/vaporintrusion/technical-guide-assessing-and-mitigating-vapor-intrusion-pathway-subsurface-vapor. The current USEPA Vapor Intrusion Screening Level Calculator is available at: https://www.epa.gov/vaporintrusion/vapor-intrusion-screening-level-calculator.

The NYSDOH Soil Vapor/Indoor Air Matrix A (May 2017 update) (**Table 3**) establishes two TCE-specific "*no further action*" scenarios. The first requires indoor air TCE concentrations to be below 0.2 µg/m^3 with a corresponding sub-slab concentration of less than 60 µg/m^3. The second option for achieving the *"no further action"* criteria requires indoor air TCE concentrations to be below 1.0 µg/m^3 with a corresponding sub-slab TCE concentration of less than 6 µg/m^3.

1.6 Site Description

1.6.1 SD052-01, Apron 2 Chlorinated Plume Site (Buildings 785 and 786)

Buildings 785 and 786 are located on the southwestern corner of Apron 2 between Aprons 1 and 2 (**Figure 2**). These buildings served as aircraft maintenance facilities (nose docks) and were taken out of service in 1995 after Griffiss AFB was closed. The SVI potential at these buildings is a result of contaminated groundwater associated with the Apron 2 Chlorinated Plume Site (SD052-01). The source of the contamination is assumed to be extended use of chlorinated solvents in the nose dock facilities (Buildings 782 through 786). The existing groundwater contamination plume is shown on **Figure 2**. Buildings 785 and 786 are each 28,251 square feet (ft^2) (Woodward-Clyde, February 1998) and are currently unheated. The buildings are largely open with first and second floor offices on the buildings' interior perimeters. Buildings 785 and 786 were built in 1959 (Woodward-Clyde, February 1998) on a 13.5 to 14-inch thick, unsealed concrete slab (FPM, February 2010).

Building 786 was occupied for a few years by a pallet refurbishing company until 2002. From 2002 to 2013, the buildings were used for equipment storage. During that time, heating and air handling equipment were in a state of disrepair and assumed inoperable. In addition, the buildings were poorly sealed due to broken windows, open hangar doors, and missing exterior sheet metal (FPM, February 2010). Buildings 785 and 786 were renovated in the summer of 2013 and included repairs to the hangar doors, exterior sheet metal, and windows; repairs to electrical and heating systems; interior and exterior painting; and removal of first and second floor offices (FPM, February 2010). Floor painting and epoxying activities were completed inside Building 786 in late September to early October 2016 (Bhate, January 2019). It was noted in the March 21, 2018, Building 785 SVI Sampling Questionnaire that indoor painting had been conducted. However, there were no VOC exceedances in the Building 785 indoor air sample collected on this date (Bhate, January 2019). Currently, Building 785 is rented to a company for storage of civilian jet aircraft and Building 786 is vacant of civilians and aircraft during the sampling period.

Copies of the Building 785 and 786 Sampling Questionnaire from the March 2025 air sampling events are provided in **Appendix A**. This Questionnaire also includes an inventory form for products found inside the buildings that have the potential to affect indoor air quality.

1.6.2 SD052-02 Building 775 Site Buildings 774 and 776

These two buildings are located between Phoenix Drive and Ready Road at the former Griffiss AFB in Rome, New York (**Figure 3**). The SVI potential at these buildings is a result of contaminated groundwater associated with solvent use in Building 774. The existing plume is shown on **Figure 3.** Building 774 is a one-story office building, approximately 18,990 ft^2 in size (Woodward-Clyde, February 1998), and is currently occupied by a computer/security firm. The building is occupied on workdays from 0800 to 1700 by approximately 45 people. Building 774 was built in 1959, but underwent major renovations in 2000 (FPM, February 2010). New windows and doors were installed along with 36 new air handlers including new air ducts in ceilings and new cooling

towers. The building's foundation is an 8-inch-thick concrete slab with no basement (FPM, February 2010). The floors are mostly carpeted except for the bathrooms, janitor's closet, and boiler room where floor drains exist.

Building 776 is a one-story office building and is approximately 27,410 ft^2 (Woodward-Clyde, February 1998). The building is currently occupied by a software development firm. The building is occupied on workdays from 0700 to 1800 by approximately 80 people. Building 776 was built in 1959, but underwent major renovations in 2002 (FPM, February 2010). New windows, which do not open, and doors were installed, the interior was refinished, and most floors were covered with carpeting. Heat and outdoor air are provided through 43 heat pumps. The building was constructed on a 3.5- to 6-inch-thick concrete slab, with no basement (FPM, February 2010). Several floor drains exist in bathrooms and historically one crack was observed in the concrete floor near the southeastern entrance door.

Copies of the Building 774 and 776 Sampling Questionnaire from the February 2025 air sampling event are provided in **Appendix A**. This Questionnaire also includes an inventory form for products found inside the buildings that have the potential to affect indoor air quality.

1.7 Geology and Hydrogeology

1.7.1 Buildings 785 and 786

The immediate area surrounding Buildings 785 and 786 is relatively flat, mostly covered with reinforced concrete. As indicated on **Figure 2,** the groundwater flow direction is to the northeast towards Six Mile Creek in the surficial unconfined aquifer.

The surficial unconfined aquifer is located at 9 to 25 feet (ft) below ground surface (bgs) with the shallow depth occurring in the vicinity of Six Mile Creek. The surficial unconfined aquifer is composed of several well-defined layers including a silty-sand layer in the upper 5 ft; a 5 to 15-ft thick coarse sand and gravel layer in the middle of the surficial unconfined aquifer; and a 15 to 20-ft thick layer of till composed of fine sand, silt, and gravel resting on the shale bedrock. The total unconfined surficial aquifer thickness ranges from 45 ft in the source areas to less than 20 ft in the downgradient areas near Six Mile Creek. Due to a relatively flat gradient, average groundwater velocities at this site are slow and have been estimated at approximately 10 ft per year (FPM, August 2006). Higher velocities may exist in discontinuous seams of coarse sand and gravel. Contamination is not found in the bedrock (FPM, April 2004).

1.7.2 Buildings 774 and 776

Buildings 774 and 776 are located on an elevated area in the southeast section of the former Griffiss AFB. The immediate area around the buildings is relatively flat. The area is covered with grass, asphalt parking lots, roads, and concrete walkways. Past and recent investigations have indicated that the groundwater flow direction in the surficial unconfined aquifer is to the south-southwest towards Landfill 6 as indicated on **Figure 3**.

The surficial unconfined aquifer is comprised of silty sands from ground surface to depths of 60 to 120 ft bgs. Average groundwater velocities have been estimated at approximately 10 ft per year. Higher velocities may exist in discontinuous seams of coarse sand and gravel.

1.8 Historical Monitoring Activities

1.8.1 Groundwater Contamination/Remedy

The following two subsections provide a summary of the groundwater contamination and remedies present at Sites SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and SD052-02 Building 775 Site (Buildings 774 and 776).

1.8.1.1 SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786)

The SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) is associated with a TCE contaminated groundwater plume. A Remedial Investigation (RI) was performed in 2002 and 2003 in which two chlorinated plumes (referred to as the southern and northern plumes) were delineated at Apron 2 and the surrounding areas (FPM, April 2004). The three primary contaminants present in the groundwater that exceeded the NYSDEC Class GA Groundwater Standards (NYSDEC, June 1998) during the RI were TCE and its breakdown products cis-1,2-dichloroethene (DCE) and vinyl chloride (VC). The source of the contamination is assumed to be extended use of chlorinated solvents in the nose dock facilities (including Buildings 785 and 786), with potential leaks from floor drains, sewer lines, and oil/water separators (FPM, February 2016).

The groundwater remedy for Site SD052-01 (Apron 2 Chlorinated Plume Site Area of Concern [AOC]) has been implemented in accordance with the On-Base Groundwater AOC ROD which was signed by the USEPA in March 2009 (Air Force Real Property Agency [AFRPA], April 2009). The selected remedy is monitored natural attenuation using the ongoing physical, chemical, and natural biological processes that reduce the contaminants within the aquifer. Due to decreasing TCE trends, it was recommended in the 2018 Annual Performance Monitoring Report that annual performance monitoring be reduced to biennial (Bhate, October 2019). The recommendation was ultimately approved, and biennial performance monitoring of monitored natural attenuation of chlorinated groundwater contamination is ongoing at Apron 2.

As documented in the *Final Demonstration of Remedial Actions Operating Properly and Successfully, Nosedocks/Apron 2 Former Griffiss Air Force Base, Rome, New York* (Ecology and Environment Engineering, P.C. ([EEEPC], August 2013), natural attenuation by way of reductive dechlorination is evident at the Apron 2 Chlorinated Plume Site.

During the most recent biannual groundwater sampling event (October 2024), TCE and cis-1,2-DCE were detected in groundwater at the source area (upgradient from Building 785) at concentrations above their NYSDEC Class GA Groundwater Standards. Immediately downgradient of Building 785, cis-1,2-DCE and VC was detected and at a concentration above criteria with no detection of TCE indicating no significant source of TCE remains at the site. The

SD052-01 Apron 2 Chlorinated Plume site figure with monitoring well analytical results is included in **Attachment 3**. A detailed discussion of the SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) October 2024 groundwater data and trends is provided in the *2024 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base Rome, New York*. (**Note:** groundwater sampling will not be performed in 2025).

1.8.1.2 SD052-02 Building 775 Site (Buildings 774 and 776)

The SD052-02 Building 775 Site (Buildings 774 and 776) is associated with a TCE contaminated groundwater plume. The Building 775 Site plume is located downgradient and south of former maintenance facilities in Buildings 774 and 776 and former fuel pump house Building 775. Solvent use in Building 774 is believed to be a primary source of contamination. It was originally thought that Building 775 (Pumphouse 3) was the origin of a TCE plume at the Building 775 on-base groundwater site, but during the RI and Supplemental Investigation (SI), it was determined that the actual source of contamination was the degreasing room/vat in Building 774. The contamination is not found in the bedrock. Groundwater studies at the nearby Landfill 6 TCE Site found relatively aerobic conditions and low dissolved organic carbon concentrations. The general absence of cis-1,2-DCE in the Building 775 plume confirms that reductive dechlorination is not occurring (EEEPC, February 2007).

Historically, the primary contaminant exceeding NYSDEC Class GA Groundwater Standards (NYSDEC, June 1998) was TCE with minor detections of 1,1,1-trichloroethane and tetrachloroethene. The contaminated groundwater is assumed to be the source of contaminated soil vapors.

The groundwater remedy for the SD052-02 (Building 775 Site AOC) was implemented in accordance with the On-Base Groundwater AOC ROD signed by the USAF and USEPA in March 2009 (AFRPA, April 2009). The selected remedy is a groundwater extraction system with discharge to an off-site treatment facility. The groundwater extraction system is designed to contain the contaminated plume (greater than 50 micrograms per liter [µg/L]) and extract the contaminants from the aquifer. Following start-up of the groundwater extraction and discharge system in December 2008, TCE decreased significantly. In 2016, the groundwater extraction system was turned off as all detections of TCE were below 50 µg/L. Per the ROD, the plume outside of the extraction system influence is anticipated to attenuate naturally to achieve groundwater standards.

During the most recent biannual groundwater sampling event (October 2024), TCE was detected in groundwater at concentrations ranging from 7.7 µg/L (upgradient) to 32.8 µg/L (downgradient) above the NYSDEC Class GA Groundwater Standard. The SD052-02 Building 775 (Buildings 774 and 776) site figure with monitoring well analytical results is included in **Attachment 3.** A detailed discussion of the SD052-02 Building 775 (Buildings 774 and 776) October 2024 groundwater data and trends is provided in the *2024 Annual Performance Monitoring Report On-Base Groundwater Remediation Former Griffiss Air Force Base Rome, New York*.

1.8.2 SVI Investigation

The SD052-SVI soil vapor analytical results presented in Sections 1.8.2.1 and 1.8.2.2 were obtained from the ROD (AFCEC, September 2016) and the *Final Quarterly Operations and Maintenance Report SD052-02 Building 775 Site (Buildings 774 and 776) and SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) Sub-Slab Vapor Mitigation Systems (2nd Quarter/Calendar Year 2016/April – June), Former Griffiss Air Force Base Rome, New York* (CAPE Environmental [CAPE]/FPM, July 2016).

1.8.2.1 SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786)

Between October 2006 and February 2007, an initial SVI survey was performed at Buildings 785 and 786. The results of the survey (see Tables 3 and 4 in **Attachment 1**) indicated that the sub-slab samples showed maximum TCE concentrations up to 11,000 µg/m^3 at 785SSV-1 (Building 785) and 81,000 µg/m^3 at 786SSV-1 (Building 786). These concentrations exceed the current TCE sub-slab vapor screening level for TCE of 99 µg/m^3. The indoor samples (785IA-1 and 785IA-2) showed no TCE detections in Building 785 and a low estimated detection (J) of 0.43 J µg/m^3 in Building 786, which is below the current indoor air (industrial/commercial) RSL for TCE of 3 µg/m^3 (USEPA, November 2024). During the 2006/2007 SVI survey, several other VOCs were reported in the sub-slab vapor and indoor air samples, but were either detected below screening levels, detected in the outdoor air sample, or were not a site-related COC. As part of the 2006/2007 SVI survey sampling procedures, site investigations and product inventories were performed. It was noted that several pallets that held drums of motor oil, paint cans, buckets, and pails were located inside the southwestern portion of Building 785. Furthermore, a forklift, compressed gas and propane cylinders, a container of motor oil, and a bucket of hydraulic oil were observed inside Building 786. During the 2006/2007 SVI survey, a photoionization detector was used to measure total VOC concentrations at potential VOC ambient air sources and readings ranged from 0 to 2,800 µg/m^3. The highest concentration was detected in Building 785 near the pallets. Historically, the presence of these VOC containing, or petroleum-based products during indoor air sampling may have promoted false positive results due to interference from facility operations.

A follow-up SVI investigation was conducted at Buildings 785 and 786 in April 2008 to confirm the results of the 2006 SVI survey. A low detection of TCE (0.655 µg/m^3 at 785IA-3) and several low petroleum detections were reported in the 2008 indoor air sample. Indoor air results for Building 786 were comparable to the previous results and no TCE or daughter products were detected (see Table 4 in **Attachment 1**). All VOC results were detected at levels below current indoor air (industrial/commercial) screening level RSLs (USEPA, November 2024). The indoor/outdoor sampling results for Buildings 785 and 786 were provided in the Final Quarterly O&M Report (2nd Quarter/Calendar Year 2016/April - June) (CAPE/FPM, July 2016).

The 2008 sub-slab vapor results (785SSV-1 and 785SSV-2) for Building 785 were one to two orders of magnitude lower than the previous 2006 results (see Table 3 in **Attachment 1**). However, there

was one TCE exceedance that was reported for sampling location 785SSV-6 (2,200 µg/m^3) in 2008. In total, five TCE exceedances were reported at levels above the current sub-slab vapor screening level (99 µg/m^3) at sampling locations 785-SSV1, -SSV2, -SSV3, -SSV5, and -SSV6.

The 2008 sub-slab vapor results for Building 786 were lower but within the same order of magnitude as the previous 2006 results (see Table 4 in **Attachment 1**). TCE concentrations ranged from 69 µg/m^3 at 786SSV-3 to 19,000 J µg/m^3 at 786SSV-1 (previous concentration at 786SSV-1 was 81,000 µg/m^3). In total, five TCE exceedances above the current TCE sub-slab vapor screening level for TCE (99 µg/m^3) were reported at sampling locations 786-SSV1, -SSV2, -SSV4, -SSV5, and -SSV6. The sub-slab vapor sampling results for Buildings 785 and 786 were provided in the Final Quarterly O&M Report (2nd Quarter/Calendar Year 2016/April - June) (CAPE/FPM, July 2016).

1.8.2.2 SD052-02 Building 775 Site (Buildings 774 and 776)

In September 2006, an SVI evaluation was conducted consisting of sub-slab vapor samples from Buildings 774 and 776. The results indicated that chloroform and TCE were present at concentrations above their respective screening levels. The 2006 screening level for sub-slab vapor was 409 µg/m^3 and 41 µg/m^3 in indoor air. The indoor air samples collected from both buildings indicated that these same contaminants were present but at levels below the screening values. An additional SVI survey was conducted at Buildings 774 and 776 between October 2006 and February 2007. The results of the sub-slab samples showed maximum TCE concentrations up to 1,700 µg/m^3 at 774SSV-1 (Building 774), and 3,000 µg/m^3 at 776SSV-1 (Building 776) (see Tables 1 and 2 in **Attachment 1**). These concentrations exceed the current sub-slab vapor screening level for TCE of 99 µg/m^3. The indoor samples showed TCE concentrations up to 0.28 µg/m^3 in Building 774 and 0.16 µg/m^3 in Building 776. The current indoor air (industrial/commercial) RSL for TCE is 3 µg/m^3 (USEPA, May 2024).

After the initial SVI survey, a meeting was held between the USAF, USAF Institute for Operational Health, NYSDEC, NYSDOH, and the USEPA on 13 December 2007 to discuss the SVI survey findings. During this meeting, an agreement was reached that these buildings required additional investigation to confirm the 2006 survey results. It should be noted that in the meeting it was decided that chloroform had been determined not to be a COC (FPM, April 2008). A subsequent SVI investigation was performed in April/May 2008.

The indoor air TCE concentrations reported for Building 774 during the April 2008 sampling event were two orders of magnitude higher than those reported during the 2006 sampling event (3.4 µg/m^3) (see Table 1 in **Attachment 1**). Concentrations detected at levels that exceed the current TCE indoor air screening criteria of 3 µg/m^3 (USEPA, November 2020) in April 2008 ranged from 236 µg/m^3 (774IA-4) to 559 µg/m^3 (774IA-2). Further investigation revealed that, prior to this sampling event, building renovations were performed that included removal of old carpet glue using solvents. Indoor air results for Building 776 were comparable to the previous 2006 results and only the result from 776IA-1 slightly exceeded the current indoor air screening criteria

of 3 µg/m^3 (see Table 2 in **Attachment 1**). Indoor and outdoor air samples were recollected from Building 774 in May 2008 due to the apparently skewed results due to carpet removal activities. The May 2008 results indicated that indoor air TCE concentrations were comparable to the 2006 results. The indoor/outdoor sampling results for Buildings 774 and 776 were provided in the Final Quarterly O&M Report (2nd Quarter/Calendar Year 2016/April - June) (CAPE/FPM, July 2016).

The 2008 sub-slab TCE vapor results for Building 774 were within the same order of magnitude as those reported in 2006 with two exceedances above the current sub-slab vapor screening level for TCE (99 µg/m^3) of 490 µg/m^3 and 590 µg/m^3 at locations 774SSV-1 and 774SSV-2, respectively (see Table 1 in **Attachment 1**). The sub-slab vapor concentrations reported in Building 776 were lower than those reported in 2006 (see Table 2 in **Attachment 1**). In total, three TCE exceedances were reported above the current sub-slab vapor screening level of 99 µg/m^3 at sampling locations 776-SSV2, -SSV3, and -SSV4. The sub-slab vapor sampling results for Buildings 774 and 776 were also provided in the Final Quarterly O&M Report (2nd Quarter/Calendar Year 2016/April - June) (CAPE/FPM, July 2016).

1.9 Interim Response Action

The FS preferred alternative included SSVM which was implemented as an Interim Remedial Action (IRA) at Buildings 774, 776, 785, and 786 to assess the effectiveness of horizontal sub-slab depressurization (FPM, February 2010).

1.9.1 SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786)

The SSVM horizontal sub-slab depressurization system was installed at the SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) in winter and spring 2011. The system layout is shown on **Figure 2**.

1.9.1.1 SSVM System Components

System components are referenced from the *Final Completion Report, Sub-Slab Vapor Mitigation Systems at Buildings 774, 776, 785 and 786, Former Griffiss Air Force Base, Rome, New York* (FPM, May 2013). The 785 and 786 system is composed of two horizontal wells. The horizontal well for Building 786 (786SSVM-1) was constructed of a 160 ft screen at a depth of 10 ft bgs. The horizontal well for Building 785 (785SSVM-1) was constructed of a 140 ft screen at a depth of 8 ft bgs. The horizontal soil vapor extraction wells (785SSVM-1 and 786SSVM-1) are connected in line with a regenerative blower, including all blower components. The blower capacity is capable of achieving a maximum flow rate of 420 standard cubic feet per minute (scfm) and a maximum vacuum of 110 inches water gauge (w.g.). The regenerative blower is connected in line with a vapor-after-treatment system comprising of two air purification canisters each containing 140 pounds of granular activated carbon (GAC). The GAC is used to remove chlorinated solvents in the vapor phase. The calculated life span of GAC is approximately 4 months based on concentrations encountered during the pilot study from October 2010 to January 2011 at Building 785 and Building 786. A modification to the system that allows for passive mode

operation (without GAC treatment) was completed on 13 June 2018; however, the SSVM continued to operate in active (blower) mode until August 2019. The passive mode modification to the SSVM system involved installation of two wind turbines above the roof of the SSVM system shed that are connected to the horizontal extraction wells. Valves are used to direct extracted air flow to either the blower system or the turbines.

1.9.1.2 Vapor Monitoring Points

The vapor monitoring points (VMPs) were strategically placed to monitor the effective radius of influence (ROI) and vapor transport and mitigation. At Building 786, 786VMP-1, -2, and -3 are respectively 15 ft, 30 ft, and 45 ft off the 786SSVM-1 well axis. At Building 785, 785VMP-2, -4, and -5 are respectively 15 ft, 30 ft, and 60 ft off the well axis. The VMPs for both horizontal wells contain three intervals of depth: shallow (2 to 2.5 ft bgs), medium (5 to 5.5 ft bgs), and deep (10 to 10.5 ft bgs).

1.9.1.3 Historical Operation and Maintenance (2011 – 2022)

The Building 785 and 786 SSVM system has been in place since May 2011. The system was shut down in August 2013 and re-started in September 2014 due to an electrical supply problem caused by renovations to Buildings 785 and 786. System O&M included weekly system component readings (system temperature, flow, vacuum, and motor status), semi-annual VMP vacuum measurements, and GAC disposal and replacement as needed. Indoor and outdoor air sampling, sub-slab vapor sampling, and influent sampling were conducted semi-annually during the heating and cooling months (CAPE/FPM, March 2015). Historical sub-slab vapor, indoor air, and outdoor air sampling results through February 2016 are presented in Table 3-4 and influent air sampling results are presented in Table 3-5 of the Final Quarterly O&M Report (2nd Quarter/Calendar Year 2016/April - June) (CAPE/FPM, July 2016) and are included in **Attachment 2** of this report.

The Building 785 and 786 SSVM system operated normally with occasional routine maintenance from July 2016 through June 2018 except for a blower motor replacement which caused the SSVM system to be off from September 2017 through June 2018 (Bhate, January 2019). In addition, periodic down time of several days each was caused by a high-water alarm in the water knock out tank throughout the 2016 to 2018 period. On 13 June 2018, the Building 785/786 SSVM system was modified to allow for turbine wind powered passive operation. The SSVM system continued to operate in the active blower mode throughout 2018 (Bhate, May 2021). Passive operation was initiated on 28 August 2019.

1.9.2 SD052-02 Building 775 Site (Buildings 774 and 776)

An SSVM horizontal sub-slab depressurization system was installed at the SD052-02 Building 775 Site (Buildings 774 and 776) in spring 2011. The system layout is shown on **Figure 3**.

1.9.2.1 SSVM System Components

System components are referenced from the *Final Completion Report, Sub-Slab Vapor Mitigation Systems at Buildings 774, 776, 785 and 786, Former Griffiss Air Force Base, Rome, New York*. (FPM, May 2013). The SSVM system is composed of three horizontal wells for Building 774 (774SSVM-1, -2, and - 3) and one horizontal well for Building 776 (776SSVM-1). The depths of the horizontal wells range from 6 to 8 ft bgs with screen lengths ranging from 20 to 180 ft long. The horizontal extraction wells are connected in line with a regenerative blower capable of achieving a maximum flow rate of 600 scfm and a maximum vacuum of 106 inches of w.g. The regenerative blower is connected in line with a vapor-after-treatment system comprising of two air purification canisters each containing GAC. The GAC is used to remove chlorinated solvents in the vapor phase. The calculated life span of the first GAC unit was estimated at approximately 6 months based on concentrations determined during the pilot study at Building 774 and Building 776 as described in *Draft Work Plan Sub-Slab Vapor Mitigation Design* (FPM, February 2011).

The March 2018 sub-slab vapor, indoor, and outdoor air concentrations for Site SD052-02 (Buildings 774 and 776) remained below applicable screening levels. As a result, and in accordance with the ROD, the SD052-02 SSVM system was converted to a passive system. A modification to the system that allows for passive mode operation (without GAC treatment) was completed on 13 June 2018, and passive operation commenced that day. The passive mode modification to the SSVM system involved installation of three wind turbines above the roof of the SSVM system shed that are connected to the horizontal extraction wells. Valves are used to direct extracted air flow to either the blower system or the turbines.

1.9.2.2 Vapor Monitoring Points

The sub-slab VMPs were strategically placed to monitor effective ROI and vapor transport and mitigation. In Building 774, three sub-slab VMPs were installed; 774VMP-1, -2, and -3 with one interval screened less than a foot beneath the sub-slab. Building 776 also has three sub-slab VMPs: 776VMP-1, -2, and -3. The VMPs are located from 25 ft to 45 ft off axis of the horizontal wells.

1.9.2.3 Historical Operations and Maintenance (2011 - 2022)

The Building 774 and 776 SSVM system has operated since June 2011. System O&M included weekly system component readings (system temperature, flow, vacuum, and motor status), semi-annual VMP vacuum measurements, and GAC disposal and replacement as needed. Indoor and outdoor air sampling, sub-slab vapor sampling, and influent sampling were conducted semi-annually during the heating and cooling months (CAPE/FPM, July 2016). Historical sub-slab vapor, indoor air, and outdoor air sampling results are presented in Table 3-2 and influent air sampling results are presented in Table 3-3 of the Final Quarterly O&M Report (2nd Quarter/Calendar Year 2016/April - June) (CAPE/FPM, July 2016), which are provided in **Attachment 2** of this report.

The Building 774 and 776 SSVM system operated normally with occasional routine maintenance from July 2016 through June 2018 except for a blower motor replacement which caused the SSVM system to be off from July 2017 through October 2017 (Bhate, January 2018). In addition, periodic down time of several days each were caused by a high-water alarm in the water knock out tank from July 2017 through June 2018. On 13 June 2018, the Building 774 and 776 SSVM system was converted to a turbine wind powered passive system which became operational the following day (Bhate, May 2021).

1.10 SVI Remedial Action Objectives

To address the potential for SVI at unacceptable risk levels, a Remedial Action Objective (RAO) was established for SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and SD052-02 Building 775 Site (Buildings 774 and 776). The established RAO is to prevent individual human exposure to soil-gas vapor levels within buildings at unacceptable levels represented by an excess cancer risk greater than 1 x 10^{-6} and also represented by a potential non-cancer risk for a HI greater than 1.0. Current USEPA RSLs represent the RAOs for evaluating the protectiveness of the IRA. It should be noted that the RSLs are Preliminary Remediation Goals since RSLs are not cleanup levels. Future exit strategy decisions, described in Section 12 of the *Final Record of Decision Soil Vapor Intrusion at SD052-02 Building 775 Site (Buildings 774 and 776) and SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) Former Griffiss Air Force Base, Rome, New York* (AFCEC, September 2016) will rely on applicable NYSDOH criteria, pertinent USEPA RSLs, or a site-specific human health risk assessment prepared in accordance with USEPA guidelines.

1.11 Land Use Controls

Sites SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and SD052-02 Building 775 Site (Buildings 774 and 776) are industrial/commercial properties with Land Use Controls (LUCs) in place. They are used to prevent and/or restrict residential use, soil and groundwater intrusive work, and groundwater consumption and were implemented in the *Final Record of Decision for the On-base Groundwater AOCs (SD-052) at the Former Griffiss Air Force Base, Rome New York* (AFRPA, April 2009). The restrictions related to SVI are in place to prevent compromising the slabs of Buildings 774, 776, 785, and 786 without prior written approval from the USEPA, NYSDEC, and the USAF. The SD052-01 SVI and SD052-02-SVI LUCs are summarized below. The *Final 2021 Land Use Controls/Intuitional Controls Site Inspection Report Former Griffiss Air Force Base Rome, New York* (Bhate, July 2022) verified that the implemented remedies and restrictions are protective of human health and the environment at the SVI sites.

With respect to the potential for risks posed via indoor air contaminated by chemicals volatilizing from below the building slab (vapor intrusion), a grantee covenant will be included in the deed of any property within the SVI restriction area that will require either of the following: (a) mitigation of any unacceptable risk as that risk is determined under CERCLA and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) in a circumstance with (1) any construction of new buildings (which includes any expansion of the footprint of an existing

building) (2) any change in the current use of existing buildings to a use that would increase the potential exposure of its users to vapor intrusion; or (b) an evaluation of the potential for unacceptable risk associated with vapor intrusion that must occur prior to any construction of new buildings or any change in the current use of existing buildings to a use that would increase the potential exposure of its users to vapor intrusion, and if an unacceptable risk under CERCLA and the NCP associated with vapor intrusion is posed, mitigation of the vapor intrusion shall be included in the design/construction of the structure prior to occupancy or implemented prior to the change in use. Any such mitigation or evaluations will be coordinated with the EPA and NYSDEC. This covenant will remain on the property until the property meets applicable criteria for acceptable risk for specified property use as such criteria and use are established in the applicable ROD, or until such time as it is agreed to by the Air Force, EPA, and NYSDEC.

The slabs of Buildings 774, 776, 785, and 786 shall not be compromised without prior written approval of EPA, NYSDEC and the Air Force.

The above LUCs correspond with the following deed restrictions:

- Land use – restricted from residential housing, elementary and secondary schools, childcare facilities, or playgrounds and must protect remedial operations
- Mitigation of any unacceptable risk prior to new construction or change in current use
- The slabs of Buildings 774, 776, 785, and 786 shall not be compromised without prior written approval of the USEPA, NYSDEC, and the Air Force.

2 SUB-SLAB VAPOR MITIGATION SYSTEM O&M

2.1 Methods

A sample event for SSVM systems at SD052-01 (Buildings 785 and 786) and SD052-02 (Buildings 774 and 775) included the deployment of summa canisters to collect 12 sub-slab vapor, four indoor air, and two outdoor air samples.

The USEPA allowed the Air Force to discontinue influent sampling of the two SSVM systems after conversion of the systems from active systems to passive systems (Bhate, May 2021). Air samples were collected using pre-cleaned, batch-certified 6-liter summa canisters. Sub-slab soil gas, indoor, and outdoor air samples were collected in summa canisters with laboratory installed vacuum gauges and 8-hour flow controllers.

At Buildings 785 and 786 the summa canisters were staged, and flow-control valves opened on 27 March 2025 and collected 8 hours later when the valves were closed to end the sample collection. At Buildings 774 and 775 the summa canisters were staged, and flow-control valves opened on 4 February 2025 and collected 8 hours later when the valves were closed to end the sample collection. **Table 4** presents a list of sampling locations, sample types, and specific sample collection dates for each type of air sample collected. Air sample collection field forms for both SVI sites are included in **Appendix A**. Sampling was performed in accordance with the NYSDEC approved *Final Basewide Uniform Federal Policy-Quality Assurance Project Plan for Long Term Management, Former Griffiss Air Force Base, Rome New York* (Bhate, April 2022).

For sub-slab soil sampling, a vacuum gauge reading from each summa canister was recorded at the start and end of sampling. The 6-liter summa canisters were connected to the VMP sample ports via inert tubing. Sample flow rates were less than 200 milliliters per minute (mL/min) and sampling continued until a complete 8-hour sample had been collected. After the samples were collected, the valve on the summa canister was closed, the safety cap installed, and the time and final canister vacuum recorded. Any evidence of canister disturbance during the sample collection period was also recorded.

Air samples were sent under chain of custody to ALS Laboratory Group, a Department of Defense (DoD) Environmental Laboratory Accreditation Program certified laboratory in Simi Valley, California, for VOC analysis via Method TO-15 (sub-slab, outdoor, and influent air samples) and Method TO-15 Selected Ion Monitoring (SIM) (indoor air samples only). The TO-15 SIM method offers lower detection limits, which is crucial since indoor air has a stricter TCE screening level (3 µg/m³) compared to sub-slab air (99 µg/m³). Laboratory data packages are included in **Appendix B** and the Data Validation Report is included in **Appendix C**. Data was entered into the Environmental Resources Program Information Management System on an annual basis, pending AFCEC review.

2.1.1 Sub-Slab Soil Gas Sampling

Sub-slab VMPs within Buildings 785 (785VMP-2, -4, and -5), 786 (786VMP-1, -2, and -3), 774 (774VMP-1, -2, and -3), and 776 (776VMP-1, -2, and -3) were sampled during the 1st quarter of 2025 using summa canisters. Sub-slab VMP sampling locations are shown on **Figure 2** and **Figure 3**. Prior to sub-slab soil gas sample collection, the VMPs were purged at a rate not exceeding 200 mL/min, evacuating three volumes of air present in the tubing and the VMP.

During the February and March 2025 sampling event, helium gas tracer testing was conducted at each VMP sampling location at Buildings 774, 776, 785, and 786 prior to sample collection to ensure the VMP samples were collecting sub-slab soil gases, not indoor air. A multi-gas meter was used to monitor helium concentrations during tracer gas testing. The helium tracer tests passed at each tested vapor monitoring point location, 774VMP-1, 774VMP-2, 776VMP-1, 776VMP-2, and 776VMP-3 at Buildings 774 and 776, as well as at 785VMP-4 (Building 785) and 786VMP-2 (Building 786).

VMP locations 774VMP-1, 774VMP-2, 776VMP-1, 776VMP-2, and 776VMP-3 at Buildings 774 and 776 failed helium gas tracer tests in November 2023. The VMP locations (774VMP-1, 774VMP-2, 776VMP-1, 776VMP-2, and 776VMP-3) were rebuilt in March 2024 by removing and replacing the bentonite clay seals around the probe piping (Bhate, September 2025). Approximately 11 months elapsed between completion of the repairs and the subsequent helium tracer testing conducted in February 2025, allowing sufficient time for the probe seals and surrounding subsurface to stabilize. During the February 2025 sampling event, each rebuilt VMP successfully passed helium tracer testing, confirming proper probe installation and seal integrity. For March 2025, tracer gas testing was conducted at only two VMP locations at Buildings 785 and 786 because previous testing has consistently confirmed adequate probe integrity, and no prior tracer gas failures have been recorded. This approach aligns with regulatory guidance allowing a reduced frequency of tracer gas testing to at least 10% of sampling locations, once probe seals have been verified during earlier sampling events.

As indicated in **Table 4**, two field duplicate samples for each event were used to validate laboratory analytical data collected. Air sample collection forms are included in **Appendix A**. Chain-of-custody forms are included with the laboratory analytical reports in **Appendix B**. The Data Validation Report is provided in **Appendix C**.

2.1.2 Indoor Air Sampling

Indoor air samples were collected from SD052-02 on 5 February 2025 at Building 774 (774IA-1) and Building 776 (776IA-1). Indoor air samples were collected from SD052-01 on 28 March 2025 at Building 785 (785IA-1 and 785IA-2) and Building 786 (786IA-1). (**Figure 2** and **Figure 3**) Each indoor air sample was collected with summa cannisters equipped with 8-hour flow controllers. The summa canisters were deployed in areas not subject to disturbances or to interference with the occupants' normal activities and consistent with previous indoor air sampling events. Initial summa canister vacuums from the integrated vacuum gauges were measured immediately prior

to deployment and recorded on the applicable field form. Flow control valves were opened at the beginning of the sample collection period and the start time, outdoor temperature, barometric pressure, and ventilation conditions were recorded. The summa canister flow control valves were closed at the end of the sample collection period, the safety cap installed, and the time and final canister vacuum recorded. Any evidence of canister disturbance during the sample collection period was also recorded.

2.1.3 Outdoor Air Sampling

One representative outdoor air sample was collected from the SD052-01 Site (785OA-1) on 28 March 2025 (**Figure 2**) and one outdoor air sample was collected from theSD052-02 Site (776OA-1) on 5 February 2025 (**Figure 3**). Outdoor air samples were collected in the same manner as the indoor air samples.

2.2 Air Sampling Results

Air sample results are discussed by Buildings 774 and 775 (SD052-02) and by Buildings 785 and 786 (SD052-01) in the following two subsections.

2.2.1 Buildings 774 and 776

The following subsection presents the annual air sampling completed at Buildings 774 and 776 during the 2024/2025 heating season. Sub-slab vapor, indoor, and outdoor air sampling results are presented in **Table 5**. Historical sub-slab vapor, indoor, and outdoor air sampling results for Buildings 774 and 776 are presented in **Table 6**.

2.2.1.1 First Quarter 2025 (February 2025) Air Sampling

During the February 2025 screening event, the highest sub-slab TCE concentration in Building 774 was 57 µg/m^3, reported at location 774VMP-2, which was below the USEPA industrial/commercial sub-slab vapor screening level of 99 µg/m^3. The remainder of the Building 774 sub-slab results were below screening criteria. The highest sub-slab TCE concentration in Building 776 was estimated at 2.1 µg/m^3 , reported at location 776VMP-3, with all results below current USEPA industrial/commercial sub-slab vapor screening level of 99 µg/m^3.

TCE was detected in the indoor air samples at Building 774 (0.16 µg/m^3) and Building 776 (0.12 µg/m^3) below the Indoor Screening Value of 3.0 µg/m^3 (USEPA, November 2024). Other analyzed indoor air VOCs in Building 774 and Building 776 were reported below their applicable screening criteria.

Indoor air sample results indicated TCE concentrations were below the USEPA industrial/commercial screening level for indoor air and within the acceptable range associated with a cancer risk of 1 x 10^{-6} (3 µg/m^3) to 10^{-4} (300 µg/m^3). Sub-slab and outdoor air concentrations for TCE were within an acceptable range and do not pose any unacceptable risk to building occupants.

The indoor and outdoor vapor trend chart in both Buildings 774 and 776 is illustrated on **Figure 5.**

Table 1 shows the February 2025 indoor air and sub-slab sampling results to the USEPA industrial/commercial TCE cancer risk scenario. Consistent with the criteria outlined in Section 1.5, the table indicates TCE results from Buildings 774 and 776 fall under the "*no action"* category.

Table 2 shows the February 2025 calculated HI using the USEPA Vapor Intrusion Screening Level calculator for the indoor air and sub-slab sampling results to the USEPA industrial/commercial TCE non-cancer hazard scenario. The table indicates TCE concentration from Building 774 and 776 were below the non-cancer HI of 1.0 (8.8 µg/m^3) for the indoor air in February 2025 and below the HI of 1.0 (293 µg/m^3) for the sub-slab in February 2025, indicating achievement of "*no action"* criteria under the TCE non-cancer hazard scenario.

Table 3 shows the February 2025 indoor air and sub-slab sampling results to the NYSDOH Soil Vapor/Indoor Air Matrix A (May 2017 update) scenario. The table indicates achievement of the "*no further action"* criteria for the indoor air and sub-slab samples of Buildings 774 and 776.

Figure 6 shows the sub-slab TCE vapor trend chart in Buildings 774 and 776. TCE concentrations remained below the USEPA industrial/commercial sub-slab vapor screening level of 99 µg/m^3 since system start-up in June 2012 until the February 2025 event (57 µg/m^3 at 774VMP-2).

2.2.2 Buildings 785 and 786

The following subsection presents the annual air sampling completed at Buildings 785 and 786 during 2024/2025 heating season. Sub-slab vapor, indoor, and outdoor air sampling results are presented in **Table 7.** Historical sub-slab vapor, indoor, and outdoor air sampling results for Buildings 785 and 786 are presented in **Table 8**.

2.2.2.1 First Quarter 2025 (March 2025) Air Sampling

During the March 2025 sampling event, the highest sub-slab TCE concentration in Building 785 was 14 µg/m^3 at location 785VMP-4 and the highest sub-slab TCE concentration in Building 786 was 9.1 µg/m^3 at location 786VMP-2. All six sub-slab sample results for TCE were detected at levels below the current USEPA industrial/commercial sub-slab vapor screening level of 99 µg/m^3. In addition, sub-slab results for additional VOCs from VMPs in Buildings 785 and 786 were below their respective sub-slab screening levels during the March 2025 sampling event (**Table 7**).

The two indoor air samples collected from Building 785 (785IA-1 and 785IA-2) reported TCE concentrations of 0.17 µg/m³ and 0.18 µg/m³, respectively, both below the current USEPA industrial/commercial indoor air screening level. A TCE concentration of 0.11 µg/m^3 was reported in the Building 786 indoor air sample, below applicable screening criteria. All other reported VOC results were non-detect or below screening criteria.

One outdoor air sample was collected between Buildings 785 and 786. TCE was not detected during the March 2025 sampling event. The indoor and outdoor vapor trend chart in both Buildings 785 and 786 is illustrated on **Figure 5**. Although historical indoor air sampling identified

isolated exceedances of the NYSDOH indoor air action level and December 2022 exceedance of the USEPA industrial indoor air screening criterion at Building 785, the March 2025 indoor air results were below both the NYSDOH indoor air action level of 1.0 µg/m³ and the USEPA industrial indoor air screening level of 3.0 µg/m³.

Table 1 shows the March 2025 indoor air and sub-slab sampling results to the USEPA industrial/commercial TCE cancer risk scenario. The table indicates TCE results from Buildings 785 and 786 fall under the "*no action"* category.

Table 2 shows the March 2025 calculated HI using the USEPA Vapor Intrusion Screening Level calculator for the indoor air and sub-slab sampling results to the USEPA industrial/commercial TCE non-cancer hazard scenario. The table indicates TCE concentration from Buildings 785 and 786 were below the non-cancer HI of 1.0 (8.8 µg/m^3) for the indoor air in March 2025 and below the HI of 1.0 (293 µg/m^3) for the sub-slab in March 2025, indicating achievement of "*no action"* criteria under the TCE non-cancer hazard scenario.

Table 3 shows the March 2025 indoor air and sub-slab sampling results to the NYSDOH Soil Vapor/Indoor Air Matrix A (May 2017 update) scenario. The table indicates achievement of the "*no further action"* criteria for the indoor air and sub-slab samples of Buildings 785 and 786.

Figure 4 shows the sub-slab TCE vapor trend chart in both Buildings 785 and 786. The data indicates TCE vapor concentrations have remained below the USEPA industrial/commercial sub-slab vapor screening level of 99 µg/m^3 at 785VMP-2, -4, and -5 and 786VMP-1, -2, and -3 since initial system start-up in May 2011 except for 786VMP-2 in March 2018 and the primary 785VMP-2 sample from November 2019. The Building 785/786 SSVM system was not operational in March 2018 due to maintenance and repairs (Bhate, January 2019) and TCE sub-slab vapor concentrations significantly increased. TCE sub-slab vapor concentrations decreased below the screening level of 99 µg/m^3 at 786VMP-1, -2, and -3 during the November 2018 sampling event following re-start of the system.

2.3 Data Quality Evaluation

Laboratory reports and the data validation reports (DVRs), which present the overall quality of the data collected, are provided in **Appendix B** and **Appendix C**, respectively.

The detection and quantitation limits in the project Uniform Federal Policy – Quality Assurance Project Plan and laboratory reports represent current and the best available limits for the analytical method and are consistent with DoD Quality System Manual (QSM) guidelines. The laboratory has also reported results following DoD QSM requirements. Non-detects are reported to the limit of detection and detects are reported down to the detection limit.

A list of all samples collected (including quality control [QC] samples) is included in the DVRs. The sample descriptions include the Sample Delivery Groups (SDGs), which represent the group of samples that were prepared, analyzed, and reported together in the analytical batch with common laboratory QC samples. The SDG is the same as the ALS Laboratory Group Job Number.

2.4 SSVM System O&M Performance

SSVM systems in passive operation were inspected on 28 March 2025 to verify that the wind turbines remain undamaged and operating. The Buildings 785/786 and Buildings 774/776 SSVM systems continued to operate as intended in passive mode throughout the reporting period. Passive wind turbine operation does not require scheduled maintenance. Both active blower systems remain on stand-by and operational, if needed, with equipment in place and electricity connected, but de-energized at the control panels (main power shut off) allowing for restart if necessary. Consistent with the ROD, the active blower system at Site SD052-01 and/or Site SD052-02 would be restarted if sub-slab soil-gas concentrations exceed the applicable industrial-use screening criteria during two consecutive sampling events. The SSVM system blowers were temporarily started to verify operational readiness on 28 March 2025. SSVM system O&M forms are included in **Appendix D**.

3 CONCLUSIONS

This O&M Report presents the air sampling activities conducted during the 2024/2025 heating season.

The February and March 2025 events reported that the sub-slab samples at Buildings 774, 776, 785, and 786 were below the sub-slab screening level of 99 µg/m^3. The respective indoor air samples were reported below the indoor air screening level of 3 µg/m^3. Air sample results evaluated in **Tables 1** and **2** (USEPA Soil Vapor/Indoor Air Matrix) indicate *"no action"* based on analytical results for the air samples at Buildings 774, 776, 785, and 786 during the 2024/2025 heating season. The air sample results evaluated in **Table 3** (NYSDOH Soil Vapor/Indoor Air Matrix) indicates *"no further action"* for air samples collected at Buildings 774, 776, 785, and 786 during the 2024/2025 heating season.

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4 RECOMMENDATIONS

In accordance with the approved Optimization Plan (Bhate, April 2017) and the ROD, annual performance air monitoring (sub-slab, indoor air, and outdoor air) is recommended to be continued and conducted again as early as possible in the 2025/2026 heating season at Buildings 785 and 786 and Buildings 774 and 776. The SSVM systems will continue to operate in passive mode.

If TCE concentrations exceed the applicable screening levels during the sampling event, an additional sampling event will be conducted during the 2025/2026 heating season. As per the ROD, if sub-slab soil gas concentrations are reported higher than the industrial use screening criteria for two consecutive sampling events, the active SSVM systems at Sites SD052-01 and/or SD052-02 will be re-started.

Per the ROD, VOC concentrations must meet groundwater ARARs before considering permanent shutdown of the SSVM systems (AFCEC, September 2016). During September 2024 sampling, downgradient wells (AP2MW-3, 782VMW-121, and 782VMW-101) showed TCE as non-detect or below 5 µg/L, consistent with 2022 results. Upgradient well 782VMW-105B previously exceeded 5 µg/L (9.7 µg/L in 2022); however, the well could not be sampled in 2024 due to constraints associated with a suspected bulge or bend in the PVC casing, as documented in the 2024 On-Base Groundwater Report. The sample collected from the downgradient well (782VMW-81) remained non-detect in 2021–2024. Well 782VMW-105B will be included in the 2025 well inventory inspections and resampled in 2026.

Following completion of the 2025 and 2026 monitoring events, groundwater results from the approved SD052-01 monitoring network, including the monitoring locations in the vicinity of Buildings 785 and 786, will be evaluated together with the corresponding sub-slab, indoor-air, and outdoor-air results. If the groundwater and air-monitoring results satisfy the applicable ROD criteria, the AF, USEPA, and NYSDEC may evaluate whether continued passive operation of the SSVM system at Site SD052-01 remains necessary. Sampling of additional wells outside the approved monitoring program would require separate authorization and funding.

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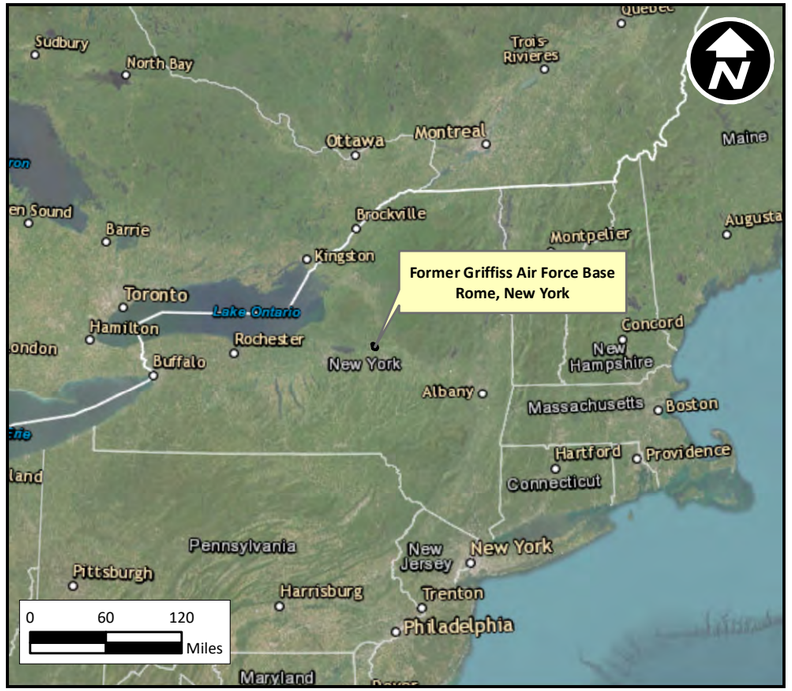
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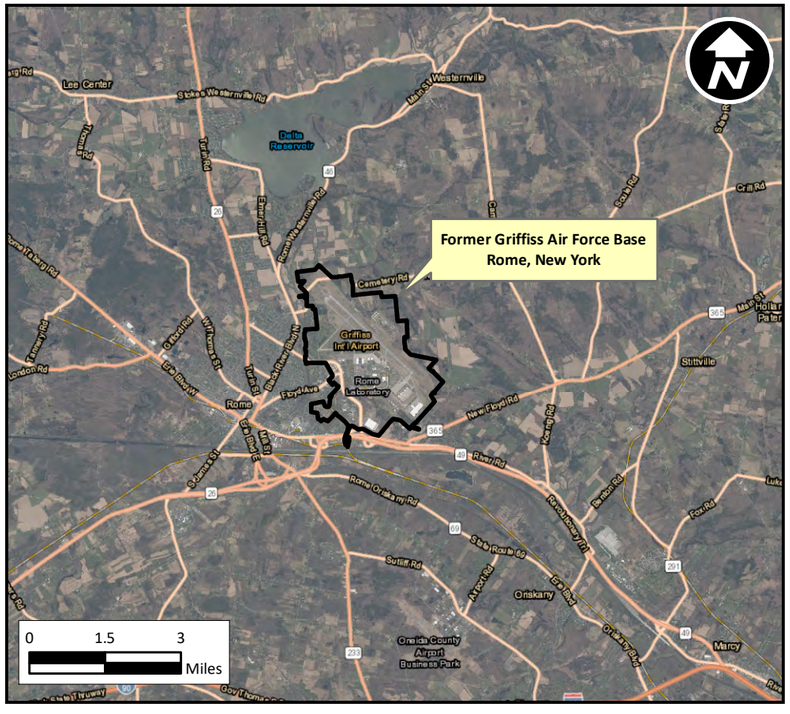
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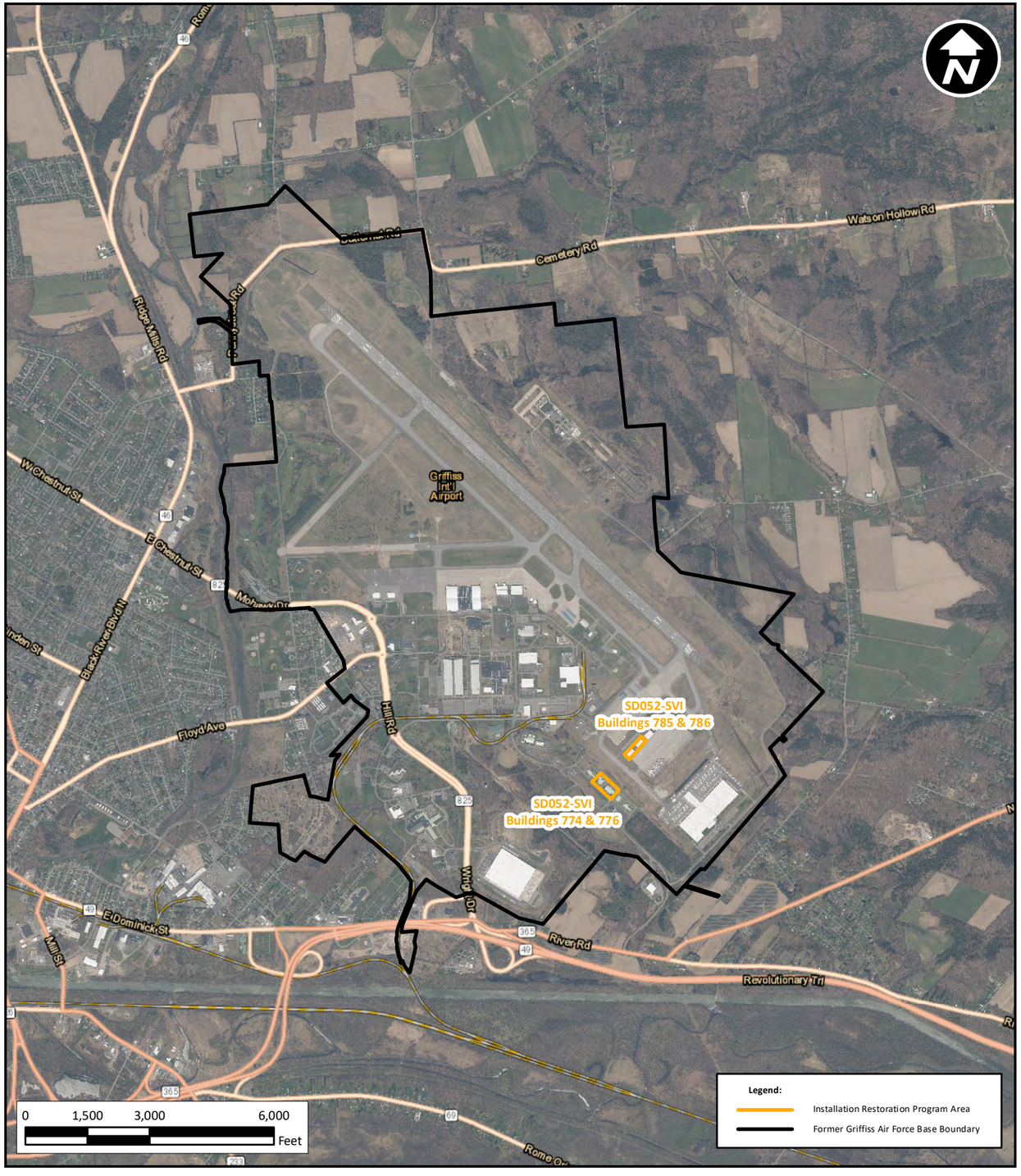
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FIGURES

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Former Griffiss Air Force Base Location Map

Figure 1

Operations and Maintenance and Air Sampling Report (1st Quarter 2025)
SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and
SD052-02 Building 775 Site (Buildings 774 and 776) Sub-Slab Vapor Mitigation Systems
Former Griffiss Air Force Base, Rome, New York

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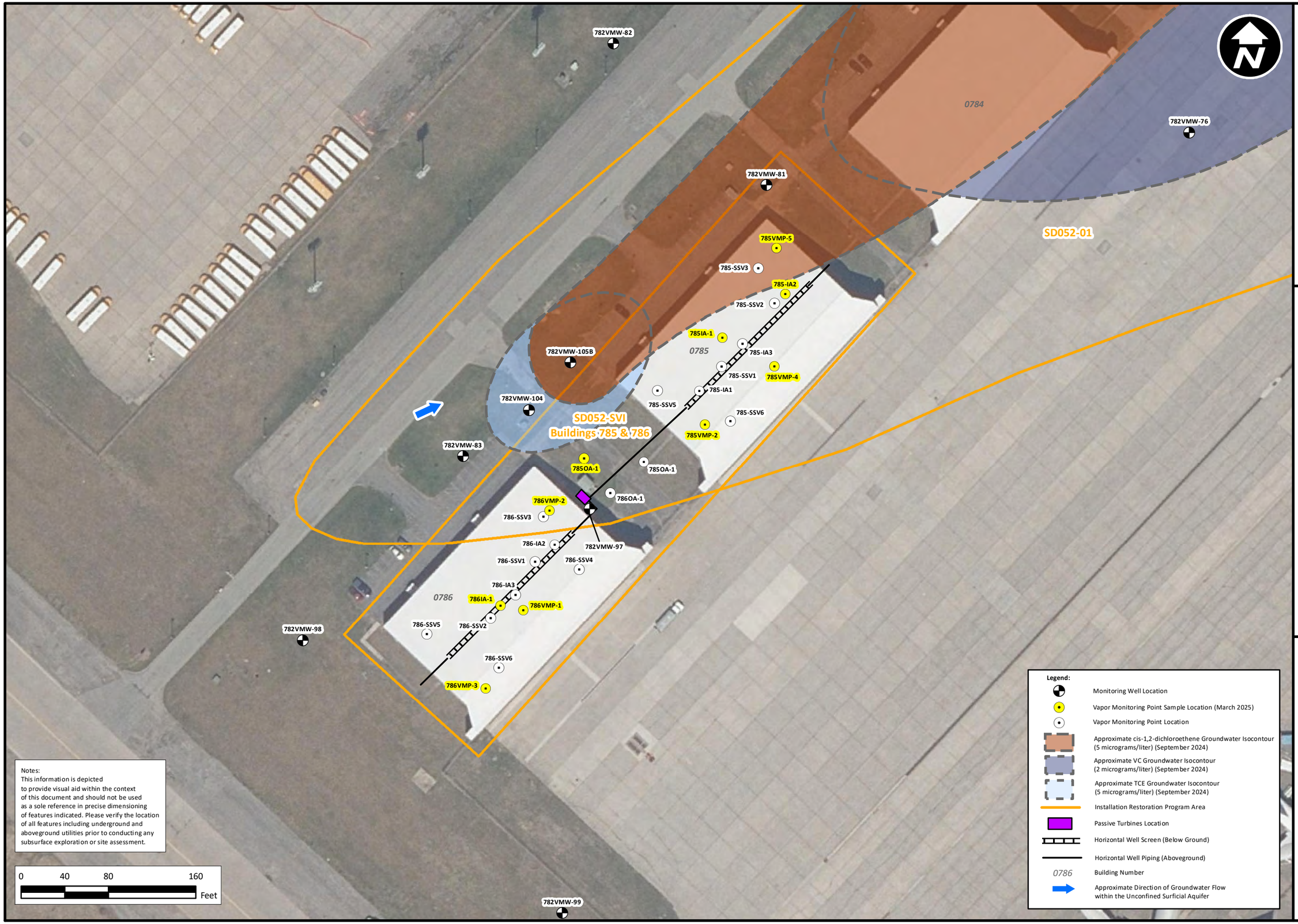
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Buildings 785 and 786
Site Features/Sampling Locations

Figure 2

Operations and Maintenance and Air Sampling Report (1st Quarter 2025)
SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and
SD052-02 Building 775 Site (Buildings 774 and 776) Sub-Slab Vapor Mitigation Systems
Former Griffiss Air Force Base, Rome, New York

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Buildings 774 and 776
Site Features/Sampling Locations

Figure 3

Operations and Maintenance and Air Sampling Report (1st Quarter 2025)
SD052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786) and
SD052-02 Building 775 Site (Buildings 774 and 776) Sub-Slab Vapor Mitigation Systems
Former Griffiss Air Force Base, Rome, New York

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Legend:

- Monitoring Well Location
- Extraction Well Location
- Vapor Monitoring Point Sample Location (February 2025)
- Vapor Monitoring Point Location
- Approximate Trichloroethene Groundwater Isocontour (5 micrograms/liter) (September 2024)
- Installation Restoration Program Area
- Passive Turbines Location
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- 0776 — Building Number
- Approximate Direction of Groundwater Flow within the Unconfined Surficial Aquifer

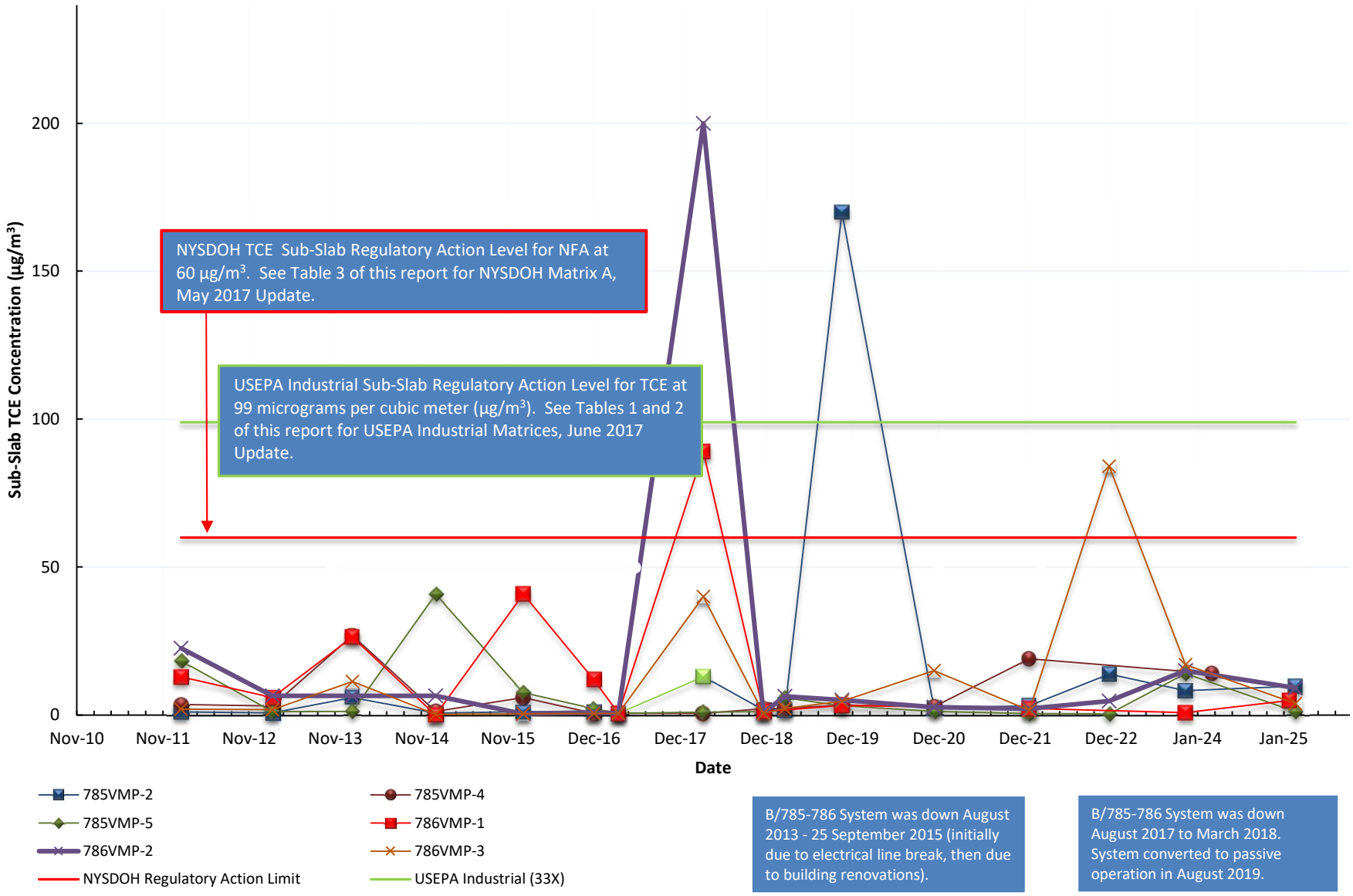
Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

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Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors

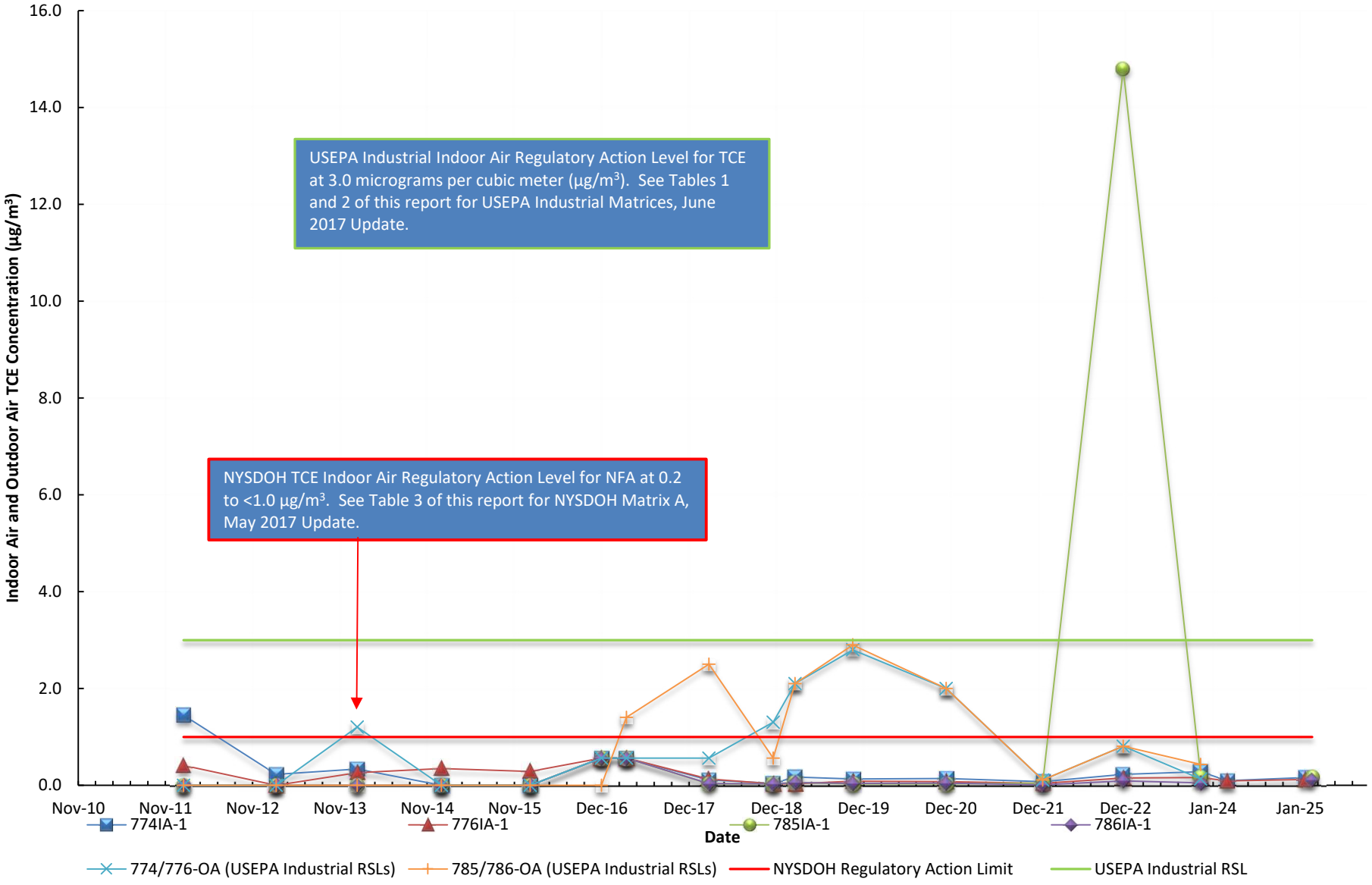
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Figure 4. SD052-SVI Sub-Slab TCE Vapor Concentrations for Buildings 785 and 786
Heating Season Data Only (November 2010 to March 2025)



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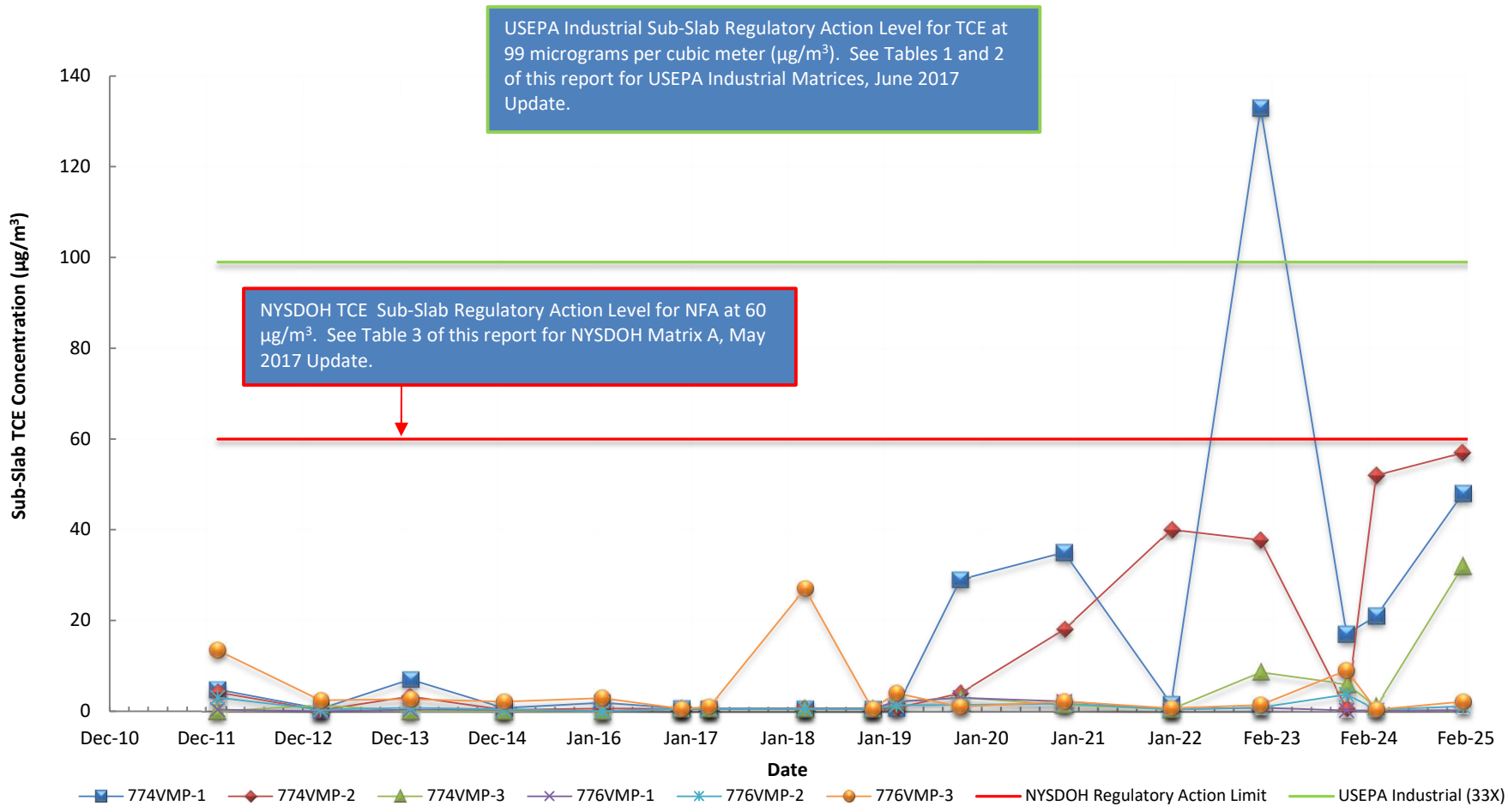
Figure 5. SD052-SVI Indoor and Outdoor TCE Concentrations for Buildings 774 and 776 and Buildings 785 and 786, Heating Season Data Only (November 2010 to March 2025)



Note: All outdoor samples are below USEPA Industrial RSLs and do not pose any unacceptable risk to building occupants.

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Figure 6. SD052-SVI Sub-Slab Vapor Concentrations for Buildings 774 and 776
Heating Season Data Only (January 2012 to February 2025)



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TABLES

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Table 1. SD052-SVI Sites February and March 2025 TCE Sampling Results
USEPA - Soil Vapor/Indoor Air Matrix - June 2017 Update - TCE Cancer (Commercial/Industrial)

Analytes Assigned: Trichloroethene (TCE)

	INDOOR AIR CONCENTRATION of TCE (µg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of TCE (µg/m^3)	3	30	300
99	(1) No Action 774VMP-1 -48/0.16/February 2025 774VMP-2 - 57/0.16/February 2025 774VMP-3 - 32/0.16/February 2025 776VMP-1 - 0.41 U/0.12/February 2025 776VMP-2 - 1.1/0.12/February 2025 *776VMP-2A - 0.41 U(FD)/0.12/February 2025* 776VMP-3 - 2.1/0.12/February 2025 785VMP-2 - 9.7/0.17/March 2025 *785VMP-2A(FD) - 8.6(FD)/0.17/March 2025* 785VMP-4 - 14/0.17/March 2025 785VMP-5 - 1.1/0.17/March 2025 786VMP-1 - 1.6/0.11/March 2025 786VMP-2 - 9.1/0.11/March 2025 786VMP-3 - 3.9/0.11/March 2025	(2) Investigate	(3) Investigate
1,000	(4) Monitor	(5) Monitor or Pursue Remediation	(6) Investigate or Pursue Remediation
10,000	(7) Monitor or Pursue Remediation	(8) Pursue Remediation or Monitor	(9) Pursue Remediation

Notes
Convention: Sample Name - Sub-Slab Concentration (µg/m^3)/Indoor Air Concentration (µg/m^3)
µg/m^3 = micrograms per cubic meter
FD - Field Duplicate (results are shown in *italics*)
U: Not detected at the limit of detection (presented)
J: Estimated
No Action: No additional actions are recommended to address human exposures.

Investigate: Is recommended that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges.

Monitor: Is recommended monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air, and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Pursue Remediation: Is recommended to minimize current or potential exposures associated with soil vapor intrusion. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

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Table 2. SD052-SVI Sites February and March 2025 TCE Sampling Results
USEPA - Soil Vapor/Indoor Air Matrix - June 2017 Update - TCE Non-Cancer (Commercial/Industrial)

Analytes Assigned: Trichloroethene (TCE)

	INDOOR AIR CONCENTRATION of TCE (µg/m^3)	
SUB-SLAB VAPOR CONCENTRATION of TCE (µg/m^3)	HI < 1 If HI < 1 or TCE Concentration is < 8.8 µg/m^3	HI > 1
HI < 1 If HI < 1 or TCE Concentration is < 293 µg/m^3 - Vapor Intrusion Investigation is Over	(1) No Action 774VMP-1 - 1.64E-01/1.82E-02/February 2025 774VMP-2 - 1.95E-01/1.82E-02/February 2025 774VMP-3 -1.09E-01/1.82E-02/February 2025 776VMP-1 - 1.40E-03/1.36E-02/February 2025 776VMP-2 - 3.75E-03/1.36E-02/February 2025 *776VMP-2A(FD) - 1.40E-03/1.36E-02/February 2025* 776VMP-3 - 7.17E-03/1.36E-02/February 2025 785VMP-2 - 3.31E-02/1.93E-02/March 2025 *785VMP-2 - 2.94E-02(FD)/1.93E-02/March 2025* 785VMP-4 - 4.78E-02/1.93E-02/March 2025 785VMP-5 - 3.75E-03/1.93E-02/March 2025 786VMP-1 - 5.46E-03/1.25E-02/March 2025 786VMP-2 - 3.11E-02/1.25E-02/March 2025 786VMP-3 - 1.33E-02/1.25E-02/March 2025	(2) Investigate or Pursue Remediation
HI > 1	(3) Monitor or Pursue Remediation	(4) Pursue Remediation

Notes
Convention: Sample Name - Sub-Slab Hazard Index (HI)/Indoor Air HI
µg/m^3 = micrograms per cubic meter
Hazard Index (HI) = sub-slab value/293 µg/m^3 and indoor value/8.8 µg/m^3
FD - Field Duplicate (results are shown in *italics*)

No Action: No additional actions are recommended to address human exposures.

Investigate: Is recommended that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges.

Monitor: Is recommended monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air, and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Pursue Remediation: Is recommended to minimize current or potential exposures associated with soil vapor intrusion. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

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Table 3. SD052-SVI Sites February and March 2025 TCE Sampling Results
NYSDOH - Soil Vapor/Indoor Air Matrix A - May 2017 Update

Analytes Assigned: Trichloroethene (TCE)

	INDOOR AIR CONCENTRATION of TCE (µg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of TCE (µg/m^3)	< 0.2	0.2 to < 1	1 and above
< 6	(1) No Further Action 776VMP-1 - 0.41 U/0.12/February 2025 776VMP-2 - 1.1/0.12/February 2025 776VMP-2A - 0.41 U(FD)/0.12/February 2025 776VMP-3 - 2.1/0.12/February 2025 785VMP-4 - 14/0.17/March 2025 785VMP-5 - 1.1/0.17/March 2025 786VMP-1 - 1.6/0.11/March 2025 786VMP-3 - 3.9/0.11/March 2025	(2) No Further Action	(3) Identify source(s) and Resample or Mitigate
6 to < 60	(4) No Further action 774VMP-1 -48/0.16/February 2025 774VMP-2 - 57/0.16/February 2025 785VMP-2A(FD) - 8.6(FD)/0.17/March 2025 774VMP-3 - 32/0.16/February 2025 785VMP-2 - 9.7/0.17/March 2025 786VMP-2 - 9.1/0.11/March 2025	(5) Monitor	(6) Mitigate
60 and above	(7) Mitigate	(8) Mitigate	(9) Mitigate

Notes:

Convention: Sample Name - Sub-Slab Concentration (µg/m^3)/Indoor Air Concentration (µg/m^3)

µg/m^3 = micrograms per cubic meter

FD - Field Duplicate (results are shown in *italics*)

U: Not detected at the limit of detection (presented)

No Further Action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: Is recommended that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges.

Monitor: Is recommended monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air, and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: Is recommended to minimize current or potential exposures associated with soil vapor intrusion. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

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Table 4. SD052-SVI Sites List of Sub-Slab Vapor, Indoor, and Outdoor Air Samples for SSVM Performance Monitoring
February 2025 and March 2025 (Heating Season)

SD052-SVI Site	Sample Location	Sample ID	Sample Type	Sample Date	Notes
Buildings 785/786	785IA-1	785-IA-1_0327	Indoor Air	3/28/2025	8-hour sample duration
	785IA-2	785-IA-2_0327	Indoor Air	3/28/2025	8-hour sample duration
	785VMP-2	785-VMP-2_0325	Sub-Slab	3/28/2025	8-hour sample duration, Collected 785-VMP-2_0325-A as a duplicate
	785VMP-4	785-VMP-4_0327	Sub-Slab	3/28/2025	8-hour sample duration
	785VMP-5	785-VMP-5_0327	Sub-Slab	3/28/2025	8-hour sample duration
	786VMP-1	786-VMP-1_0327	Sub-Slab	3/28/2025	8-hour sample duration
	786VMP-2	786-VMP-2_0327	Sub-Slab	3/28/2025	8-hour sample duration
	786VMP-3	786-VMP-3_0327	Sub-Slab	3/28/2025	8-hour sample duration
	786IA-1	786-IA-1_0327	Indoor Air	3/28/2025	8-hour sample duration
Buildings 774/776	774VMP-1	774-VMP-1_0225	Sub-Slab	2/5/2025	8-hour sample duration
	774-VMP-2	774-VMP-2_0225	Sub-Slab	2/5/2025	8-hour sample duration
	774-VMP-3	774-VMP-3_0225	Sub-Slab	2/5/2025	8-hour sample duration
	774IA-1	774-IA-1_0225	Indoor Air	2/5/2025	8-hour sample duration
	776VMP-1	776-VMP-1_0225	Sub-Slab	2/5/2025	8-hour sample duration
	776VMP-2	776-VMP-2_0225	Sub-Slab	2/5/2025	8-hour sample duration, Collected 776-VMP-2_0225-A as a duplicate
	776VMP-3	776-VMP-3_0225	Sub-Slab	2/5/2025	8-hour sample duration
	776IA-1	776-IA-1_0225	Indoor Air	2/5/2025	8-hour sample duration
	776OA-1	776-OA-1_0225	Outdoor Air	2/5/2025	8-hour sample duration

Notes:
SVI = Soil Vapor Intrusion
ID = Identification
SSVM = Sub-Slab Vapor Mitigation

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Table 5. SD052-SVI Site Buildings 774 and 776 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (February 2025)

Sample Location	Indoor Air Screening Level * (µg/m³)	Sub-slab Vapor Screening Level ** (µg/m³)	774VMP-1		774VMP-2		774VMP-3		774IA-1		776VMP-1		776VMP-2		776VMP-2		776VMP-3		776IA-1		776OA-1	
Field Sample Identification			**774-VMP-1_0225**		**774-VMP-2_0225**		**774-VMP-3_0225**		**774-IA-1_0225**		**776-VMP-1_0225**		**776-VMP-2_0225**		**776-VMP-2_0225-A**		**776-VMP-3_0225**		**776-IA-1_0225**		**776-OA-1_0225**	
Sample Location			**Sub-Slab**		**Sub-Slab**		**Sub-Slab**		**Indoor**		**Sub-Slab**		**Sub-Slab**		**Sub-Slab**		**Sub-Slab**		**Indoor**		**Outdoor**	
Sample Type			**Normal**		**Normal**		**Normal**		**Normal**		**Normal**		**Normal**		**Field Duplicate**		**Normal**		**Normal**		**Normal**	
Date of Collection			**2/5/2025**		**2/5/2025**		**2/5/2025**		**2/5/2025**		**2/5/2025**		**2/5/2025**		**2/5/2025**		**2/5/2025**		**2/5/2025**		**2/5/2025**	
Sample Depth (feet bgs / ags)			**1**		**1**		**1**		**5**		**1**		**2.5**		**2.5**		**1**		**5**		**2**	
Sample Collection Duration (hours)			**8**		**8**		**8**		**8**		**8**		**8**		**8**		**8**		**8**		**8**	
VOCs (µg/m³)																						
1,1,1-Trichloroethane	22,000	726,000	**22**		**10**		**2.6**		**0.024**	**J**	1.7	U	1.7	U	1.7	U	1.7	U	**0.026**	**J**	1.7	U
1,1,2,2-Tetrachloroethane	0.21	6.93	1.3	U	1.3	U	1.3	U	NA		1.3	U	1.3	U	1.3	U	1.3	U	NA		*1.3*	U
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	**4**		0.92	U	0.92	U	NA		0.92	U	0.92	U	0.92	U	0.92	U	NA		0.92	U
1,1,2-Trichloroethane	0.77	25.4	0.82	U	0.82	U	0.82	U	NA		0.82	U	0.82	U	0.82	U	0.82	U	NA		*0.82*	U
1,1-Dichloroethane	7.7	254.1	0.93	U	0.93	U	0.93	U	NA		0.93	U	0.93	U	0.93	U	0.93	U	NA		0.95	U
1,1-Dichloroethene	880	29,040	0.95	U	0.95	U	0.95	U	0.03	U	0.95	U	0.95	U	0.95	U	0.95	U	0.031	U	0.92	U
1,2,4-Trichlorobenzene	8.8	290	3.6	U	3.6	U	3.6	U	NA		3.6	U	3.6	U	3.6	U	3.6	U	NA		3.6	U
1,2,4-Trimethylbenzene	260	8,580	1.7	U	1.7	U	1.7	U	NA		1.7	U	1.7	U	1.7	U	1.7	U	NA		1.7	U
1,2-Dibromoethane (EDB)	0.02	0.66	*0.92*	U	*0.92*	U	*0.92*	U	NA		*0.92*	U	*0.92*	U	*0.92*	U	*0.92*	U	NA		*0.92*	*U*
1,2-Dichlorobenzene	880	29,040	1.7	U	1.7	U	1.7	U	NA		1.7	U	1.7	U	1.7	U	1.7	U	NA		1.7	U
1,2-Dichloroethane	0.47	15.5	1.1	U	1.1	U	1.1	U	NA		1.1	U	1.1	U	1.1	U	1.1	U	NA		*1.1*	U
1,2-Dichloropropane	3.30	108.9	1.2	U	1.2	U	1.2	U	NA		1.2	U	1.2	U	1.2	U	1.2	U	NA		**1.2**	**J**
1,3,5-Trimethylbenzene	260	8,580	1.6	U	1.6	U	1.6	U	NA		1.6	U	1.6	U	1.6	U	1.6	U	NA		1.6	U
1,3-Dichlorobenzene	NA	NA	3.2	U	3.2	U	3.2	U	NA		3.2	U	3.2	U	3.2	U	3.2	U	NA		3.2	U
1,4-Dichlorobenzene	1.1	36.3	1.9	U	1.9	U	1.9	U	NA		1.9	U	1.9	U	1.9	U	1.9	U	NA		*1.9*	U
2-Butanone (MEK)	22,000	726,000	**1.6**		**23**		**1.8**		NA		**1.4**		**1.9**		**1.8**		1.3	U	NA		1.3	U
2-Hexanone	130	4,290	2.4	U	2.4	U	2.4	U	NA		2.4	U	2.4	U	2.4	U	2.4	U	NA		2.4	U
4-Ethyltoluene	NA	NA	1.9	U	1.9	U	1.9	U	NA		1.9	U	1.9	U	1.9	U	1.9	U	NA		1.9	U
4-Methyl-2-pentanone (MIBK)	13,000	429,000	1.2	U	1.2	U	1.2	U	NA		1.2	U	1.2	U	1.2	U	1.2	U	NA		1.2	U
Acetone	NA	NA	**13**		**80.8**		**12**		NA		**14**		**28.3**	**J**	**18**	**J**	**7.1**		NA		**3.1**	
Benzene	1.6	52.8	0.61	U	0.61	U	**1.2**		**0.45**		0.61	U	0.61	U	0.61	U	0.61	U	**0.45**		0.61	U
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	2.6	U	2.6	U	2.6	U	NA		2.6	U	2.6	U	2.6	U	2.6	U	NA		*2.6*	*U*
Bromodichloromethane	0.33	10.89	0.8	U	0.8	U	0.8	U	NA		0.8	U	0.8	U	0.8	U	0.8	U	NA		*0.8*	U
Bromoform	11	363	2.9	U	2.9	U	2.9	U	NA		2.9	U	2.9	U	2.9	U	2.9	U	NA		2.9	U
Bromomethane	22	726	1.1	U	1.1	U	1.1	U	NA		1.1	U	1.1	U	1.1	U	1.1	U	NA		1.1	U
Butadiene	0.41	NA	0.75	U	0.75	U	0.75	U	NA		0.75	U	0.75	U	0.75	U	0.75	U	NA		*0.75*	U
Carbon disulfide	3,100	102,300	0.56	U	0.56	U	0.56	U	NA		0.56	U	0.56	U	0.56	U	0.56	U	NA		0.56	U
Carbon tetrachloride	2	66	1	U	1	U	1	U	**0.69**		1	U	1	U	1	U	1	U	**0.69**		0.93	U
Chlorobenzene	220	7,260	1.4	U	1.4	U	1.4	U	NA		1.4	U	1.4	U	1.4	U	1.4	U	NA		1.4	U
Chloroethane	18,000	594,000	0.71	U	0.71	U	0.71	U	NA		0.71	U	0.71	U	0.71	U	0.71	U	NA		0.71	U
Chloroform	0.53	17.49	**2.6**		0.73	U	**3**		NA		0.73	U	0.73	U	0.73	U	0.73	U	NA		*0.73*	
Chloromethane	390	12,870	0.74	U	0.74	U	**0.99**		NA		**0.78**		**1.2**		**1.4**		0.74	U	NA		**0.74**	**J**
cis-1,2-Dichloroethene	180	5,940	**1.6**		0.48	U	0.48	U	0.029	U	0.48	U	0.48	U	0.48	U	0.48	U	0.03	U	0.48	U
cis-1,3-Dichloropropene	NA	NA	1.1	U	1.1	U	1.1	U	NA		1.1	U	1.1	U	1.1	U	1.1	U	NA		1.1	U
Dibromochloromethane	NA	NA	1.8	U	1.8	U	1.8	U	NA		1.8	U	1.8	U	1.8	U	1.8	U	NA		1.8	U
Dichlorodifluoromethane (Freon 12)	440	14,520	2.1	U	**2.1**		**2.2**		NA		2.1	U	**2.4**		**2.1**		**3.6**		NA		**2.1**	**J**
Ethylbenzene	4.9	161.7	1	U	1	U	1	U	NA		1	U	1	U	1	U	1	U	NA		1	U
Hexachlorobutadiene	0.56	18.48	2.7	U	2.7	U	2.7	U	NA		2.7	U	2.7	U	2.7	U	2.7	U	NA		0.36	U
m-Xylene & p-Xylene****	880****	NA	2.4	U	2.4	U	2.4	U	NA		2.4	U	2.4	U	2.4	U	2.4	U	NA		2.4	U
Methyl tert-butyl ether	47	1,551	1.2	U	1.2	U	1.2	U	NA		1.2	U	1.2	U	1.2	U	1.2	U	NA		1.2	U
Methylene Chloride	1,200	39,600	1.8	U	1.8	U	**3.8**		**0.87**		1.8	U	1.8	U	1.8	U	1.8	U	**1.6**		1.8	**U**
Naphthalene	0.36	11.88	2.7	U	2.7	U	**2.7**	U	NA		2.7	U	2.7	U	2.7	U	2.7	U	NA		2.7	U
o-Xylene	440	14,520	1.3	U	1.3	U	1.3	U	NA		1.3	U	1.3	U	1.3	U	1.3	U	NA		1.3	U
Styrene	4,400	145,200	0.89	U	0.89	U	0.89	U	NA		0.89	U	0.89	U	0.89	U	0.89	U	NA		0.89	U
Tetrachloroethene	47	1,551	0.38	U	0.38	U	0.38	U	**0.05**		0.38	U	0.38	U	0.38	U	0.38	U	**0.042**		0.38	
Toluene	22,000	726,000	0.87	U	**1.7**		**1.7**		NA		0.87	U	0.87	U	0.87	U	0.87	U	NA		0.87	
trans-1,2-Dichloroethene	180	5,940	0.44	U	0.44	U	0.44	U	NA		0.44	U	0.44	U	0.44	U	0.44	U	NA		0.44	U
trans-1,3-Dichloropropene	NA	NA	1.8	U	1.8	U	1.8	U	NA		1.8	U	1.8	U	1.8	U	1.8	U	NA		1.8	U
Trichloroethene	3	99	**48**		**57**		**32**		**0.16**		0.41	U	**1.1**		0.41	U	**2.1**		**0.12**		0.41	U
Vinyl chloride	2.8	92.4	0.72	U	0.72	U	0.72	U	0.0014	U	0.72	U	0.72	U	0.72	U	0.72	U	0.0014	U	0.72	U
1,4-Dioxane	2.5	82.5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

Notes:

µg/m³ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
DAF = Dilution Attenuation Factor
HQ = Hazard Quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the method detection limit
Results highlighted yellow, exceed the applicable screening criteria
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (33x DAF) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154)
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers

D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

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Table 6. SD052-SVI Site Buildings 774 and 776 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through February 2025)

Sample Location	Indoor Air Screening Level * (µg/m³)	Sub-slab Vapor Screening Level ** (µg/m³)	774VMP-1								774VMP-1					774VMP-2									
Field Sample Identification			774VMP-1_1216	774VMP-1_0317	774VMP-1_0318	774VMP-1_1118	774VMP-1_0319	774VMP-1_1119	774VMP-1_1220		774-VMP-1_0122	774-VMP-1_1222	774-VMP-1_1123	774-VMP-1_0324	774-VMP-1_0225	774VMP-2-1216	774VMP-2_0317	774VMP-2_0318	774VMP-2_1118	774VMP-2_0319	774VMP-2_1119	774VMP-2_1220	774-VMP-2_0122	774-VMP-2_1222	
Sample Location			Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab		Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab		Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	
Sample Type			Normal	Normal	Normal	Normal	Normal	Normal	Normal		Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal		Normal	Normal	Normal	Normal	Normal	
Date of Collection			12/1/2016	3/16/2017	3/21/2018	11/29/2018	3/25/2019	11/20/2019	12/1/2020		1/14/2022	12/21/2022	11/15/2023	3/7/2024	2/5/2025	12/1/2016	3/16/2017	3/21/2018		3/25/2019	11/20/2019	12/1/2020	1/14/2022	12/21/2022	
Sample Depth (feet bgs / ags)			1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sample Collection Duration (hours)			8	8	8	8	8	8	8		8	8	8	8	8	8	8	8	8	8	8	8	8	8	
VOCs (µg/m³)																									
1,1,1-Trichloroethane	22,000	726,000	**0.4**	J	1.1	U	1.1	U	**2.1**		**5.3**		**28**		**6.3**	2.2	U	**18.4**		**10**		**13**		**22**		1.1	U	1.1	U	1.1	U	NA		1.1	U	4.1	U	**1.7**	J	**7.1**		**5.36**	
1,1,2,2-Tetrachloroethane	0.21	6.93	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	3.9	U	2.8	U	2.7	U	1.03	U	0.21	U	0.25	U	1.3	U	1.4	U	1.4	U	1.4	U	NA		1.4	U	5.1	U	2.8	U	2.7	U	1.03	U
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	3.1	U	3.1	U	3.1	U	**1.4**	J	**2.1**	J	**2.9**	J	3.1	U	3.1	U	**1.92**	J	**2.4**		**2.8**		**4**		3.1	U	3.1	U	3.1	U	NA		3.1	U	5.7	U	3.2	U	3.1	U	1.53	U
1,1,2-Trichloroethane	0.77	25.4	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	3.1	U	2.2	U	2.2	U	1.09	U	0.21	U	0.25	U	0.82	U	1.1	U	1.1	U	1.1	U	NA		1.1	U	4.1	U	2.2	U	2.2	U	1.09	U
1,1-Dichloroethane	7.7	254.1	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	**1.1**	J	1.7	U	1.6	U	0.601	U	0.21	U	0.25	U	0.93	U	0.81	U	0.81	U	0.81	U	NA		0.81	U	3	U	1.7	U	1.6	U	0.601	U
1,1-Dichloroethene	880	29,040	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	2.2	U	1.6	U	1.6	U	0.793	U	**0.88**		0.25	U	0.95	U	1.6	U	1.6	U	1.6	U	NA		1.6	U	3	U	1.6	U	1.6	U	0.793	U
1,2,4-Trichlorobenzene	8.8	290	8.9	U	8.9	U	8.9	U	8.9	U	8.9	U	16	U	13	U	4.5	U	2.29	U	0.39	U	0.47	U	3.6	U	8.9	U	8.9	U	8.9	U	NA		8.9	U	21	U	13	U	4.5	U	2.29	U
1,2,4-Trimethylbenzene	260	8,580	2	U	2	U	2	U	2	U	2	U	2.8	U	2	U	2	U	0.982	U	0.2	U	**1.9**		1.7	U	2	U	**15**		2	U	NA		2	U	**1.6**	J	2	U	2	U	**0.451**	J
1,2-Dibromoethane (EDB)	0.02	0.66	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*4.3*	*U*	*3.2*	*U*	*4.6*	*U*	*1.15*	*U*	0.21	U	0.25	U	*0.92*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	NA		*1.5*	*U*	*5.7*	*U*	*3.2*	*U*	*4.6*	*U*	*1.15*	*U*
1,2-Dichlorobenzene	880	29,040	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.4	U	2.5	U	2.4	U	1.8	U	0.21	U	0.25	U	1.7	U	2.4	U	2.4	U	2.4	U	NA		2.4	U	4.5	U	2.5	U	2.4	U	1.8	U
1,2-Dichloroethane	0.47	15.5	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	2.3	U	1.7	U	1.6	U	0.607	U	**0.088**	J	**0.095**	J	1.1	U	0.81	U	0.81	U	0.81	U	NA		0.81	U	3	U	1.7	U	1.6	U	0.607	U
1,2-Dichloropropane	3.30	108.9	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	2.6	U	1.9	U	1.8	U	0.924	U	0.21	U	0.25	U	1.2	U	3.7	U	3.7	U	3.7	U	NA		3.7	U	3.4	U	1.9	U	1.8	U	0.924	U
1,3,5-Trimethylbenzene	260	8,580	2	U	2	U	2	U	2	U	2	U	2.8	U	2	U	2	U	0.982	U	**0.64**	J	**0.48**	J	1.6	U	2	U	5		2	U	NA		2	U	**0.63**	J	2	U	2	U	0.982	U
1,3-Dichlorobenzene	NA	NA	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.4	U	2.5	U	4.2	U	2.4	U	0.21	U	0.25	U	3.2	U	2.4	U	**6.2**		2.4	U	NA		2.4	U	4.5	U	2.5	U	4.2	U	2.4	U
1,4-Dichlorobenzene	1.1	36.3	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.4	U	2.5	U	2.4	U	0.782	U	0.21	U	0.25	U	1.9	U	2.4	U	2.4	U	2.4	U	NA		2.4	U	4.5	U	2.5	U	2.4	U	0.782	U
2-Butanone (MEK)	22,000	726,000	**1.2**	J	**2.4**		**1.5**	J	**2.7**		**3.8**		6.2	U	**3.2**	J	1.8	U	**0.961**	J	**24**		**13**		**1.6**		**1.5**	J	**6.5**		**1.2**	J	NA		**2.1**	J	**2.6**	J	**2**	J	**3.5**		**3.86**	
2-Hexanone	130	4,290	0.82	U	0.82	U	0.82	U	**0.53**	J	0.82	U	8.7	U	7	U	2.5	U	1.23	U	0.26	U	**1.6**		2.4	U	0.82	U	0.82	U	0.82	U	NA		0.82	U	11	U	7.1	U	2.5	U	1.23	U
4-Ethyltoluene	NA	NA	2	U	2	U	2	U	2	U	2	U	2.8	U	2	U	2.9	U	0.982	U	**0.36**	J	**0.71**	J	1.9	U	2	U	**5**		2	U	NA		2	U	**1.6**	J	2	U	2.9	U	0.982	U
4-Methyl-2-pentanone (MIBK)	13,000	429,000	1.6	U	1.6	U	1.6	U	**1.1**	J	**0.55**	J	2.3	U	1.7	U	1.6	U	0.778	U	0.3	J	0.4	J	1.2	U	1.6	U	**6.4**		1.6	U	NA		1.6	U	**3.2**	J	1.7	U	1.6	U	**0.483**	J
Acetone	NA	NA	**12**		**32**		**21**		**20**		**40**		**17**		**27**	**13**		**6.75**		**24**		**75**		**13**		**13**		**23**		**21**		NA		**39**		**32**		**33**		**77.9**		**47.3**	
Benzene	1.6	52.8	**0.4**	J	**0.55**	J	**0.53**	J	**0.39**	J	**0.41**	J	**0.72**	J	1.3	U	1.3	U	**0.422**	J	**0.81**		**0.57**	J	0.61	U	**0.51**	J	**2.7**		**0.55**	J	NA		**0.4**	J	**1.1**	J	1.3	U	1.3	U	**0.489**	J
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.9	U	2.1	U	2.1	U	0.675	U	0.41	U	0.5	U	2.6	U	2.1	U	2.1	U	2.1	U	NA		2.1	U	3.9	U	2.1	U	2.1	U	0.675	U
Bromodichloromethane	0.33	10.89	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	3.8	U	2.8	U	2.7	U	1.01	U	0.21	U	0.25	U	0.8	U	1.3	U	1.3	U	1.3	U	NA		1.3	U	5	U	2.8	U	2.7	U	1.01	U
Bromoform	11	363	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	5.8	U	4.2	U	4.1	U	3.21	U	0.39	U	0.47	U	2.9	U	2.1	U	2.1	U	2.1	U	NA		2.1	U	7.7	U	4.3	U	4.1	U	3.21	U
Bromomethane	22	726	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	8.2	U	6.6	U	1.6	U	0.776	U	0.21	U	0.25	U	1.1	U	3.1	U	3.1	U	3.1	U	NA		3.1	U	11	U	6.7	U	1.6	U	0.776	U
Butadiene	0.41	NA	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	1.2	U	0.91	U	0.88	U	1.39	U	0.39	U	0.47	U	0.75	U	0.88	U	0.88	U	0.88	U	NA		0.88	U	1.6	U	0.92	U	0.88	U	1.39	U
Carbon disulfide	3,100	102,300	1.2	U	1.2	U	1.2	U	**1.9**	J	**19**		6.6	U	**39**	1.2	U	0.778	U	0.4	U	**0.66**	J	0.56	U	**1.4**	J	1.2	U	1.2	U	NA		**2.7**		8.7	U	5.4	U	1.2	U	0.778	U
Carbon tetrachloride	2	66	1.3	U	1.3	U	2.5	U	2.5	U	2.5	U	3.5	U	2.6	U	2.5	U	0.945	U	**0.4**	J	**0.46**	J	1	U	1.3	U	1.3	U	2.5	U	NA		2.5	U	4.7	U	2.6	U	2.5	U	0.945	U
Chlorobenzene	220	7,260	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	2.6	U	1.9	U	1.8	U	0.924	U	0.2	U	0.23	U	1.4	U	0.92	U	0.92	U	0.92	U	NA		0.92	U	3.4	U	1.9	U	1.8	U	0.924	U
Chloroethane	18,000	594,000	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	5.6	U	4.5	U	1.1	U	0.528	U	0.21	U	0.25	U	0.71	U	2.1	U	2.1	U	2.1	U	NA		2.1	U	7.4	U	4.6	U	1.1	U	0.528	U
Chloroform	0.53	17.49	0.98	U	0.98	U	0.98	U	0.98	U	**0.76**	J	**2**	J	**1.2**	J	2	U	0.73	U	**1.3**		**1.9**		**2.6**		0.98	U	0.98	U	0.98	U	NA		**0.86**	J	3.6	U	2	U	**2.7**	J	0.73	U
Chloromethane	390	12,870	**0.79**	J	**0.94**	J	**1.5**	J	**1.3**	J	**1.1**	J	4.4	U	3.5	U	**1.4**	J	0.516	U	0.39	U	**0.36**	J	0.74	U	**1.3**	J	**0.99**	J	**1**	J	NA		**1.4**	J	5.8	U	3.6	U	0.83	U	**0.603**	J
cis-1,2-Dichloroethene	180	5,940	0.79	U	0.79	U	0.79	U	0.79	U	**0.4**	J	**4.4**		**1**	J	1.6	U	0.793	U	**0.11**	J	**0.14**	J	**1.6**		0.79	U	0.79	U	0.79	U	NA		0.79	U	3	U	1.6	U	1.6	U	0.793	U
cis-1,3-Dichloropropene	NA	NA	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	2.6	U	1.9	U	1.8	U	0.681	U	0.39	U	0.47	U	1.1	U	1.8	U	1.8	U	1.8	U	NA		1.8	U	3.4	U	1.9	U	1.8	U	0.681	U
Dibromochloromethane	NA	NA	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	4.8	U	3.5	U	3.4	U	1.28	U	0.21	U	0.25	U	1.8	U	1.7	U	1.7	U	1.7	U	NA		1.7	U	6.4	U	3.5	U	3.4	U	1.28	U
Dichlorodifluoromethane (Freon 12)	440	14,520	**2.4**	J	**2.7**	J	**1.8**	J	**2.5**	J	**2.4**	J	**3**	J	**2.2**	J	**2.2**	J	**2.13**	J	**2.3**		**2.3**		2.1	U	**2.4**	J	**2.7**	J	**1.8**	J	NA		**2.4**	J	**3.4**	J	**2.3**	J	**2.2**	J	**2.26**	J
Ethylbenzene	4.9	161.7	0.87	U	0.87	U	0.87	U	0.87	U	**0.36**	J	2.4	U	1.8	U	1.7	U	0.867	U	**1.4**		**1.1**		1	U	0.87	U	**11**		**0.4**	J	NA		**0.29**	J	3.2	U	1.8	U	1.7	U	0.867	U
Hexachlorobutadiene	0.56	18.48	13	U	13	U	13	U	13	U	13	U	*22*	*U*	18	U	4.3	U	2.67	U	0.38	U	**0.45**	UJ	2.7	U	13	U	13	U	13	U	NA		13	U	*30*	*U*	18	U	4.3	U	2.67	U
m-Xylene & p-Xylene****	880****	NA	0.87	U	0.87	U	0.87	U	**0.64**	J	**0.92**	J	2.4	U	1.8	U	2.6	U	**0.672**	J	**3.9**		**4.7**		2.4	U	**0.46**	J	**37**		**0.48**	J	NA		**0.67**	J	**1.9**	J	**0.88**	J	2.6	U	**0.681**	J
Methyl tert-butyl ether	47	1,551	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	7.6	U	6.2	U	1.4	U	0.468	U	0.2	U	0.23	U	1.2	U	1.4	U	1.4	U	1.4	U	NA		1.4	U	10	U	6.2	U	1.4	U	0.468	U
Methylene Chloride	1,200	39,600	**0.4**	J	**0.43**	J	**0.49**	J	**0.27**	J	**0.51**	J	7.3	U	5.9	U	1.4	U	0.694	U	**0.27**	J	**0.3**	J	1.8	U	**0.38**	J	**0.56**	J	**0.58**	J	NA		**0.48**	J	9.7	U	6	U	1.4	U	0.694	U
Naphthalene	0.36	11.88	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	1.1	U	**0.52**	J	3.1	U	3.66	U	0.38	U	**0.97**	J	2.7	U	6.3	U	6.3	U	6.3	U	NA		6.3	U	**0.6**	J	**0.81**	J	3.1	U	3.66	U
o-Xylene	440	14,520	0.87	U	0.87	U	0.87	U	**0.23**	J	**0.43**	J	2.4	U	1.8	U	1.7	U	0.759	U	**2**		**1.7**		1.3	U	0.87	U	**16**		0.87	U	NA		**0.32**	J	**1.4**	J	1.8	U	1.7	U	0.759	U
Styrene	4,400	145,200	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	2.4	U	1.8	U	2.6	U	0.851	U	**1.4**		**2.3**		0.89	U	0.85	U	0.85	U	0.85	U	NA		**0.33**	J	3.2	U	1.8	U	2.6	U	0.851	U
Tetrachloroethene	47	1,551	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	3.8	U	2.8	U	0.68	U	**21.5**		**0.28**	J	**0.52**	J	0.38	U	1.4	U	1.4	U	1.4	U	NA		1.4	U	5.1	U	2.8	U	0.68	U	**1.45**	J
Toluene	22,000	726,000	**0.85**	J	0.75	U	**0.77**	J	**0.69**	J	**0.96**	J	**0.88**	J	**0.66**	J	**1.5**	J	**1.58**	J	**5**		**2.6**		0.87	U	**0.81**	J	**35**		**1.1**	J	NA		**0.73**	J	**7.4**		**1.4**	J	**1.7**	J	0.942	U
trans-1,2-Dichloroethene	180	5,940	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	2.2	U	1.6	U	1.6	U	0.594	U	0.21	U	0.25	U	0.44	U	0.79	U	0.79	U	0.79	U	NA		0.79	U	3	U	1.6	U	1.6	U	0.594	U
trans-1,3-Dichloropropene	NA	NA	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	2.6	U	1.9	U	2.7	U	0.681	U	0.38	U	0.45	U	1.8	U	0.91	U	0.91	U	0.91	U	NA		0.91	U	3.4	U	1.9	U	2.7	U	0.681	U
Trichloroethene	3	99	**0.68**	J	2.1	U	2.1	U	2.1	U	**0.67**	J	**29**		**35**		**1.6**		**133**		**17**		**21**		**48**		2.1	U	2.1	U	**0.66**	J	NA		**0.64**	J	4	U	**18**		**40**		**37.7**	
Vinyl chloride	2.8	92.4	1	U	1	U	1	U	1	U	1	U	1.4	U	1	U	1	U	0.511	U	0.21	U	0.25	U	0.72	U	1	U	1	U	1	U	NA		1	U	1.9	U	1	U	1	U	0.511	U
1,4-Dioxane	2.5	82.5	NA		NA		NA		NA		NA		NA		NA	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

Notes:

µg/m³ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
DAF = Dilution Attenuation Factor
HQ = Hazard Quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the method detection limit
Results highlighted yellow, exceed the applicable screening criteria
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (33x DAF) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154)
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers

D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

Table 6. SD052-SVI Site Buildings 774 and 776 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results
(December 2016 through February 2025)

Sample Location			774VMP-3																															
Field Sample Identification	Indoor Air Screening Level * ($\mu g/m^3$)	Sub-slab Vapor Screening Level ** ($\mu g/m^3$)	774-VMP-2_1123		774-VMP-2_0324		774-VMP-2_0225		774VMP-3-1216		774VMP-3-0317		774VMP-3-0318		774VMP-3-1118		774VMP-3-0319		774VMP-3-1119		774VMP-3-1220		774-VMP-3_0122		774-VMP-3_1222		774-VMP-3_1123		774-VMP-3_0324		774-VMP-3_0225		774IA-1_1216		774IA-1_0317		774IA-1_0318		774IA-1_1118		774IA-1_0319		774IA-1_
Sample Location			Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Indoor		Indoor		Indoor		Indoor		Indoor		Indoo
Sample Type			Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Norma
Date of Collection			11/15/2023		3/7/2024		2/5/2025		12/1/2016		3/16/2017		3/21/2018		11/29/2018		3/25/2019		11/20/2019		12/1/2020		1/14/2022		12/21/2022		11/15/2023		3/7/2024		2/5/2025		12/1/2016		3/16/2017		3/21/2018		11/29/2018		3/25/2019		11/20/2
Sample Depth (feet bgs / ags)			1		1		1		1		1		1		1		1		1		1		1		1		1		1		5		5		5		5		5		5
Sample Collection Duration (hours)			8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8
VOCs ($\mu g/m^3$)																																									
1,1,1-Trichloroethane	22,000	726,000	0.2	U	**11**		**10**		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	**1.2**	**J**	2.2	U	2.2	U	0.816	U	**1.7**		**3.4**		**2.6**		1.1	U	1.1	U	0.055	U	0.055	U	**0.049**	**J**	**0.021**	
1,1,2,2-Tetrachloroethane	0.21	6.93	0.21	U	0.26	U	1.3	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	3.8	U	2.8	U	2.7	U	1.03	U	0.21	U	1.1	U	1.3	U	*1.4*	*U*	*1.4*	*U*	NA		NA		NA		NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	**0.47**	**J**	**0.95**		0.92	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	4.3	U	3.1	U	3.1	U	1.53	U	**0.44**	**J**	**0.6**	**J**	0.92	U	3.1	U	3.1	U	NA		NA		NA		NA	
1,1,2-Trichloroethane	0.77	25.4	0.21	U	**0.19**	**J**	0.82	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	3	U	2.2	U	2.2	U	1.09	U	0.21	U	1.1	U	0.82	U	*1.1*	*U*	*1.1*	*U*	NA		NA		NA		NA	
1,1-Dichloroethane	7.7	254.1	0.21	U	0.26	U	0.93	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	2.2	U	1.6	U	1.6	U	0.601	U	0.21	U	1.1	U	0.93	U	0.81	U	0.81	U	NA		NA		NA		NA	
1,1-Dichloroethene	880	29,040	0.21	U	0.26	U	0.95	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	2.2	U	1.6	U	1.6	U	0.793	U	**0.17**	**J**	1.1	U	0.95	U	1.6	U	1.6	U	0.04	U	0.04	U	0.04	U	0.034	
1,2,4-Trichlorobenzene	8.8	290	0.4	U	0.49	U	3.6	U	8.9	U	8.9	U	8.9	U	8.9	U	8.9	U	15	U	13	U	4.5	U	2.29	U	0.4	U	2.1	U	3.6	U	*8.9*	*U*	*8.9*	*U*	NA		NA		NA		NA	
1,2,4-Trimethylbenzene	260	8,580	**0.096**	**J**	**2.8**		1.7	U	2	U	**8.4**		2	U	**2.2**	**J**	2	U	**2.4**	**J**	2	U	2	U	0.982	U	**4.6**		**5.1**		1.7	U	2	U	2	U	NA		NA		NA		NA	
1,2-Dibromoethane (EDB)	0.02	0.66	0.21	U	0.26	U	*0.92*	U	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*4.3*	*U*	*3.1*	*U*	*4.6*	*U*	*1.15*	*U*	0.21	U	*1.1*	*U*	*0.92*	U	*1.5*	*U*	*1.5*	*U*	NA		NA		NA		NA	
1,2-Dichlorobenzene	880	29,040	0.21	U	0.26	U	1.7	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.3	U	2.4	U	2.4	U	1.8	U	0.21	U	1.1	U	1.7	U	2.4	U	2.4	U	NA		NA		NA		NA	
1,2-Dichloroethane	0.47	15.5	**0.087**	**J**	0.26	U	1.1	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	2.2	U	1.6	U	1.6	U	0.607	U	0.21	U	1.1	U	1.1	U	*0.81*	*U*	*0.81*	*U*	NA		NA		NA		NA	
1,2-Dichloropropane	3.30	108.9	0.21	U	0.26	U	1.2	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	2.6	U	1.9	U	1.8	U	0.924	U	0.21	U	1.1	U	1.2	U	*3.7*	*U*	*3.7*	*U*	NA		NA		NA		NA	
1,3,5-Trimethylbenzene	260	8,580	0.21	U	**0.78**	**J**	1.6	U	2	U	**4**		2	U	**1**	**J**	2	U	**0.55**	**J**	2	U	2	U	0.982	U	0.21	U	**2.2**	**J**	1.6	U	2	U	2	U	NA		NA		NA		NA	
1,3-Dichlorobenzene	NA	NA	0.21	U	0.26	U	3.2	U	2.4	U	**3.8**	**J**	2.4	U	2.4	U	2.4	U	3.3	U	2.4	U	4.2	U	2.4	U	0.21	U	1.1	U	3.2	U	2.4	U	2.4	U	NA		NA		NA		NA	
1,4-Dichlorobenzene	1.1	36.3	0.21	U	0.26	U	1.9	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.3	U	2.4	U	2.4	U	0.782	U	0.21	U	1.1	U	1.9	U	*2.4*	*U*	*2.4*	*U*	NA		NA		NA		NA	
2-Butanone (MEK)	22,000	726,000	**0.61**	**J**	**23**		**23**		**3.3**		**6.4**		1.2	U	**1.5**	**J**	**1.6**	**J**	**6.6**	**J**	5	U	**13**		**1.69**	**J**	**1.7**		**13**		**1.8**		**1**	**J**	**1.9**	**J**	NA		NA		NA		NA	
2-Hexanone	130	4,290	0.26	U	**0.89**	**J**	2.4	U	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	8.5	U	7	U	2.5	U	1.23	U	**0.23**	**J**	**1.7**	**J**	2.4	U	0.82	U	0.82	U	NA		NA		NA		NA	
4-Ethyltoluene	NA	NA	0.4	U	**0.96**		1.9	U	2	U	**3.4**	**J**	2	U	2	U	2	U	**2.1**	**J**	2	U	2.9	U	0.982	U	**0.12**	**J**	**1.9**	**J**	1.9	U	2	U	2	U	NA		NA		NA		NA	
4-Methyl-2-pentanone (MIBK)	13,000	429,000	**0.13**	**J**	**1.7**		1.2	U	1.6	U	**6.1**		1.6	U	1.6	U	1.6	U	**3**		1.7	U	1.6	U	0.778	U	**0.25**	**J**	**17**		1.2	U	1.6	U	1.6	U	NA		NA		NA		NA	
Acetone	NA	NA	3.3	U	**300**		**80.8**		**20**		**22**		**7.9**	**J**	**22**		**38**		**37**		**15**	**J**	**19**		**11.8**		**16**		**100**		**12**		**14**		**8.7**	**J**	NA		NA		NA		NA	
Benzene	1.6	52.8	**0.81**		**0.87**		0.61	U	**0.6**	**J**	**2.1**		**0.47**	**J**	**0.43**	**J**	**0.47**	**J**	**1.2**	**J**	**0.51**	**J**	1.3	U	**0.616**	**J**	**3.9**		**0.94**	**J**	**1.2**		**0.51**	**J**	**1.7**		**0.44**		**0.35**		**0.32**		**0.43**	
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	0.43	U	0.52	U	2.6	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.9	U	2.1	U	2.1	U	0.675	U	0.43	U	2.2	U	2.6	U	*2.1*	*U*	*2.1*	*U*	NA		NA		NA		NA	
Bromodichloromethane	0.33	10.89	0.21	U	0.26	U	0.8	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	3.7	U	2.7	U	2.7	U	1.01	U	0.21	U	1.1	U	0.8	U	*1.3*	*U*	*1.3*	*U*	NA		NA		NA		NA	
Bromoform	11	363	0.4	U	0.49	U	2.9	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	5.7	U	4.2	U	4.1	U	3.21	U	0.4	U	2.1	U	2.9	U	2.1	U	2.1	U	NA		NA		NA		NA	
Bromomethane	22	726	0.21	U	0.26	U	1.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	8.1	U	6.6	U	1.6	U	0.776	U	0.21	U	**0.54**	**J**	1.1	U	3.1	U	3.1	U	NA		NA		NA		NA	
Butadiene	0.41	NA	0.4	U	0.49	U	0.75	U	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	1.2	U	0.9	U	0.88	U	1.39	U	0.4	U	2.1	U	0.75	U	*0.88*	*U*	*0.88*	*U*	NA		NA		NA		NA	
Carbon disulfide	3,100	102,300	0.42	U	**2.4**		0.56	U	**8.3**		1.2	U	1.2	U	**0.83**	**J**	**0.59**	**J**	6.5	U	5.3	U	1.2	U	0.778	U	0.41	U	2.2	U	0.56	U	1.2	U	**3.1**		NA		NA		NA		NA	
Carbon tetrachloride	2	66	**0.36**	**J**	**0.53**	**J**	1	U	1.3	U	1.3	U	2.5	U	2.5	U	2.5	U	3.5	U	2.6	U	2.5	U	0.945	U	**0.36**	**J**	**0.61**	**J**	1	U	1.3	U	1.3	U	**0.41**		**0.61**		**0.43**		**0.49**	
Chlorobenzene	220	7,260	0.2	U	0.24	U	1.4	U	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	2.6	U	1.9	U	1.8	U	0.924	U	**0.12**	**J**	1	U	1.4	U	0.92	U	0.92	U	NA		NA		NA		NA	
Chloroethane	18,000	594,000	0.21	U	0.26	U	0.71	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	5.5	U	4.5	U	1.1	U	0.528	U	0.21	U	1.1	U	0.71	U	2.1	U	2.1	U	NA		NA		NA		NA	
Chloroform	0.53	17.49	**0.32**	**J**	**2**		0.73	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	2.7	U	2	U	2	U	0.73	U	**1.8**		**3.4**	**J**	**3**		*0.98*	*U*	*0.98*	*U*	NA		NA		NA		NA	
Chloromethane	390	12,870	**0.45**	**J**	0.49	U	0.74	U	**1.2**	**J**	**1.2**	**J**	**2.4**		**1.0**	J	**1.1**	**J**	**1.2**	**J**	3.5	U	**1.5**	**J**	**0.609**	**J**	0.4	U	**1.5**	**J**	**0.99**		**1.4**	**J**	**1.4**	**J**	NA		NA		NA		NA	
cis-1,2-Dichloroethene	180	5,940	0.21	U	**0.17**	**J**	0.48	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	2.2	U	1.6	U	1.6	U	0.793	U	0.21	U	1.1	U	0.48	U	0.79	U	0.79	U	**0.071**	**J**	0.04	U	0.04	U	0.034	
cis-1,3-Dichloropropene	NA	NA	0.4	U	0.49	U	1.1	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	2.5	U	1.8	U	1.8	U	0.681	U	0.4	U	2.1	U	1.1	U	1.8	U	1.8	U	NA		NA		NA		NA	
Dibromochloromethane	NA	NA	0.21	U	0.26	U	1.8	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	4.7	U	3.5	U	3.4	U	1.28	U	0.21	U	1.1	U	1.8	U	1.7	U	1.7	U	NA		NA		NA		NA	
Dichlorodifluoromethane (Freon 12)	440	14,520	**2.4**		**2.3**		**2.1**		**2.7**	**J**	**2.8**	**J**	**2.1**	**J**	**2.5**	**J**	**2.3**	**J**	**3.4**	**J**	**2.5**	**J**	**2.2**	**J**	**2.27**	**J**	**0.45**	**J**	**2.2**	**J**	**2.2**		**2.5**	**J**	**2.7**	**J**	NA		NA		NA		NA	
Ethylbenzene	4.9	161.7	**0.15**	**J**	**1.7**		1	U	0.87	U	**11**		0.87	U	**0.82**	**J**	0.87	U	**1.5**	**J**	1.8	U	1.7	U	0.867	U	**0.31**	**J**	**25**		1	U	0.87	U	**0.38**	**J**	NA		NA		NA		NA	
Hexachlorobutadiene	0.56	18.48	0.39	U	**0.47**	**UJ**	2.7	U	13	U	13	U	13	U	13	U	13	U	*22*	*U*	18	U	4.3	U	2.67	U	0.39	U	**2**	**UJ**	2.7	U	*13*	*U*	*13*	*U*	NA		NA		NA		NA	
m-Xylene & p-Xylene****	880****	NA	**0.36**	**J**	**7**		2.4	U	**0.77**	**J**	**36**		0.87	U	**4.5**		**0.56**	**J**	**6.3**		**0.24**	**J**	2.6	U	1.3	U	**0.85**		**82**		2.4	U	**0.52**	**J**	**1.1**	**J**	NA		NA		NA		NA	
Methyl tert-butyl ether	47	1,551	0.2	U	0.24	U	1.2	U	1.4	U	1.4	U	1.4	U	**18**		**15**		7.5	U	6.1	U	1.4	U	0.468	U	0.2	U	1	U	1.2	U	1.4	U	1.4	U	NA		NA		NA		NA	
Methylene Chloride	1,200	39,600	**0.35**	**J**	**0.32**	**J**	1.8	U	**0.57**	**J**	**0.71**	**J**	**23**		**0.28**	**J**	**0.42**	**J**	7.2	U	5.9	U	1.4	U	0.694	U	**0.22**	**J**	2	U	**3.8**		**0.48**	**J**	**0.47**	**J**	**0.37**	**J**	0.35	U	0.35	U	0.75	
Naphthalene	0.36	11.88	0.39	U	**0.96**	**J**	2.7	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	**0.67**	**J**	0.89	U	3.1	U	3.66	U	**0.29**	**J**	**2.7**	**J**	**2.7**	U	*6.3*	*U*	*6.3*	*U*	NA		NA		NA		NA	
o-Xylene	440	14,520	**0.17**	**J**	**2.5**		1.3	U	**0.29**	**J**	**15**		0.87	U	**2.3**		**0.26**	**J**	**2.2**	**J**	1.8	U	1.7	U	0.759	U	**0.38**	**J**	**33**		1.3	U	0.87	U	**0.43**	**J**	NA		NA		NA		NA	
Styrene	4,400	145,200	0.39	U	**3.8**		0.89	U	0.85	U	0.85	U	0.85	U	0.85	U	**0.26**	**J**	**1**	**J**	1.7	U	2.6	U	0.851	U	0.39	U	**3.5**		0.89	U	NA		NA		NA		NA		NA		NA	
Tetrachloroethene	47	1,551	**0.11**	**J**	**0.83**		0.38	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	3.8	U	2.8	U	0.68	U	**0.623**	**J**	**0.11**	**J**	**1.1**	**J**	0.38	U	1.4	U	1.4	U	**0.080**	**J**	0.14	U	0.14	U	**0.049**	
Toluene	22,000	726,000	**1.7**		**4.5**		**1.7**		**2.2**		**31**		**0.42**	**J**	**1.6**		**0.86**	**J**	**2.8**		**0.71**	**J**	2.3	U	0.942	U	**1.4**		**21**		**1.7**		**0.97**	**J**	**2**		NA		NA		NA		NA	
trans-1,2-Dichloroethene	180	5,940	0.21	U	0.26	U	0.44	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	2.2	U	1.6	U	1.6	U	0.594	U	0.21	U	1.1	U	0.44	U	0.79	U	0.79	U	NA		NA		NA		NA	
trans-1,3-Dichloropropene	NA	NA	0.39	U	0.47	U	1.8	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	2.5	U	1.8	U	2.7	U	0.681	U	0.39	U	2	U	1.8	U	0.91	U	0.91	U	NA		NA		NA		NA	
Trichloroethene	3	99	**0.61**	**J**	**52**		**57**		2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	**3**	**J**	**1.4**	**J**	0.43	U	**8.57**		**6**		1	U	**32**		2.1	U	2.1	U	**0.11**		**0.039**	**J**	**0.17**		**0.13**	
Vinyl chloride	2.8	92.4	0.21	U	0.26	U	0.72	U	1	U	1	U	1	U	1	U	1	U	1.4	U	1	U	1	U	0.511	U	0.21	U	1.1	U	0.72	U	1	U	1	U	0.026	U	0.026	U	0.026	U	0.022	
1,4-Dioxane	2.5	82.5	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

Notes:
$\mu g/m^3$ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
DAF = Dilution Attenuation Factor
HQ = Hazard Quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the method detection limit
Results highlighted yellow, exceed the applicable screening criteria
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (33x DAF) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154)
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers
D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

Table 6. SD052-SVI Site Buildings 774 and 776 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through February 2025)

Sample Location	Indoor Air Screening Level * ($\mu g/m^3$)	Sub-slab Vapor Screening Level ** ($\mu g/m^3$)	774IA-1							774776-INF								776VMI
Field Sample Identification			119	774IA-1_1220	774-IA-1_0122	774-IA-1_1222	774-IA-1_1123	774-IA-1_0324	774-IA-1_0225	774776-INF_1116	774776-INF_0317	774776-INF_0318	774776-INLET_1118	774776-INLET_0319	774776-INF_1119	774776-INF_1220	774776-INF_1222	776VMP-1_1216	776VMP-1_0317	776VMP-1_0318	776VMP-1_1118	776VMP-1_0319	776VMP-1_1119
Sample Location			r	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Influent	Influent	Influent	Influent	Influent	Influent	Influent	Influent	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab
Sample Type			l	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Date of Collection			019	12/1/2020	1/14/2022	12/21/2022	11/15/2023	3/7/2024	2/5/2025	11/28/2016	3/17/2017	3/21/2018	11/29/2018	3/26/2019	11/20/2019	12/1/2020	12/21/2022	12/1/2016	3/16/2017	3/21/2018	11/29/2018	3/25/2019	11/20/2019
Sample Depth (feet bgs / ags)				5	5	5	5	5	5	NA	NA	NA	NA	NA	NA	NA	NA	1	1	1	1	1	1
Sample Collection Duration (hours)				8	8	8	8	8	8	Quick Grab	Quick Grab	Quick Grab	Quick Grab	Quick Grab	Quick Grab	Quick Grab	Quick Grab	8	8	8	8	8	8
VOCs ($\mu g/m^3$)																							
1,1,1-Trichloroethane	22,000	726,000 J	**0.024** J	0.0082 U	0.103 U	**0.037**	0.029 U	**0.024** J	**0.96** J	**1.2** J	**1.5** J	1.1 U	1.1 U	3.1 U	2.1 U	0.816 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.1 U
1,1,2,2-Tetrachloroethane	0.21	6.93	NA	NA	NA	NA	NA	NA	NA	*1.4 U*	*1.4 U*	*1.4 U*	*1.4 U*	*1.4 U*	*3.9 U*	*2.6 U*	*1.03* U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.9 U
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	NA	NA	NA	NA	NA	NA	NA	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	4.3 U	2.9 U	1.53 U	3.1 U	3.1 U	3.1 U	3.1 U	**1.2** J	4.3 U
1,1,2-Trichloroethane	0.77	25.4	NA	NA	NA	NA	NA	NA	NA	*1.1 U*	*1.1 U*	*1.1 U*	*1.1 U*	*1.1 U*	*3.1 U*	*2.1 U*	*1.09* U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.1 U
1,1-Dichloroethane	7.7	254.1	NA	NA	NA	NA	NA	NA	NA	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.3 U	1.6 U	0.601 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.3 U
1,1-Dichloroethene	880	29,040 U	0.044 U	0.004 U	0.0753 U	0.029 U	0.03 U	0.03 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.2 U	1.5 U	0.793 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.2 U
1,2,4-Trichlorobenzene	8.8	290	NA	NA	NA	NA	NA	NA	NA	*8.9 U*	*8.9 U*	*8.9 U*	*8.9 U*	*8.9 U*	*16 U*	*12 U*	2.29 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	16 U
1,2,4-Trimethylbenzene	260	8,580	NA	NA	NA	NA	NA	NA	NA	2 U	**2.7** J	2 U	2 U	2 U	2.8 U	1.9 U	0.982 U	**2.8** J	2 U	2 U	2 U	2 U	2.8 U
1,2-Dibromoethane (EDB)	0.02	0.66	NA	NA	NA	NA	NA	NA	NA	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*4.3 U*	*3 U*	*1.15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*4.3 U*
1,2-Dichlorobenzene	880	29,040	NA	NA	NA	NA	NA	NA	NA	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.4 U	2.3 U	1.8 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.4 U
1,2-Dichloroethane	0.47	15.5	NA	NA	NA	NA	NA	NA	NA	*0.81 U*	*0.81 U*	*0.81 U*	*0.81 U*	*0.81 U*	*2.3 U*	*1.6 U*	*0.607* U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.3 U
1,2-Dichloropropane	3.30	108.9	NA	NA	NA	NA	NA	NA	NA	*3.7 U*	*3.7 U*	*3.7 U*	*3.7 U*	*3.7 U*	2.6 U	1.8 U	0.924 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	2.6 U
1,3,5-Trimethylbenzene	260	8,580	NA	NA	NA	NA	NA	NA	NA	2 U	**1** J	2 U	2 U	2 U	2.8 U	1.9 U	0.982 U	**0.89** J	2 U	2 U	2 U	2 U	2.8 U
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4 U	**1.3** J	2.4 U	**1.0** J	2.4 U	3.4 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.4 U
1,4-Dichlorobenzene	1.1	36.3	NA	NA	NA	NA	NA	NA	NA	*2.4 U*	*2.4 U*	*2.4 U*	*2.4 U*	*2.4 U*	*3.4 U*	*2.3 U*	0.782 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.4 U
2-Butanone (MEK)	22,000	726,000	NA	NA	NA	NA	NA	NA	NA	**3.2**	**2.1** J	**0.68** J	**4.8**	**0.82** J	6.2 U	**1.8** J	0.56 U	**6**	**2** J	**2.3** J	**2.8**	**2.6**	**7.3** J
2-Hexanone	130	4,290	NA	NA	NA	NA	NA	NA	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	8.7 U	6.6 U	1.23 U	**0.4** J	0.82 U	0.82 U	0.82 U	0.82 U	**2.2** J
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	**1** J	2 U	2 U	2 U	2.8 U	1.9 U	0.982 U	2 U	2 U	2 U	2 U	2 U	2.8 U
4-Methyl-2-pentanone (MIBK)	13,000	429,000	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.3 U	1.6 U	0.778 U	1.6 U	**0.99** J	**1.3** J	**0.84** J	**0.72** J	**2.2** J
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	**28**	**17**	**19**	**12**	**3.4** J	**23**	**17**	**5.63** J	**51**	**26**	**51**	**41**	**35**	**58**
Benzene	1.6	52.8	**0.45**	**0.38**	**0.434**	**0.52**	**0.3**	**0.45**	**0.76** J	**1.5**	**0.99** J	**0.37** J	**0.37** J	**6.2**	**4.5**	**1.77**	**2.5**	**0.55** J	**0.64** J	**0.44** J	**0.38** J	**0.62** J
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	NA	NA	NA	NA	NA	NA	NA	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*	*2.1 U*	*2.9 U*	*2 U*	*0.675* U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.9 U
Bromodichloromethane	0.33	10.89	NA	NA	NA	NA	NA	NA	NA	*1.3 U*	*1.3 U*	*1.3 U*	*1.3 U*	*1.3 U*	*3.8 U*	*2.6 U*	*1.01* U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.8 U
Bromoform	11	363	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.8 U	4 U	3.21 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.8 U
Bromomethane	22	726	NA	NA	NA	NA	NA	NA	NA	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	8.2 U	6.2 U	0.776 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	8.2 U
Butadiene	0.41	NA	NA	NA	NA	NA	NA	NA	NA	*0.88 U*	*0.88 U*	*0.88 U*	*0.88* U	*0.88 U*	*1.2 U*	*0.85 U*	*1.39* U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	1.2 U
Carbon disulfide	3,100	102,300	NA	NA	NA	NA	NA	NA	NA	**0.53** J	1.2 U	**11**	**10**	1.2 U	6.6 U	**6.4** J	0.778 U	1.2 U	**0.58** J	1.2 U	**12**	**0.61** J	6.6 U
Carbon tetrachloride	2	66	**0.47**	**0.31**	**0.503**	**0.39**	**0.37**	**0.69**	1.3 U	1.3 U	*2.5 U*	*2.5 U*	*2.5 U*	*3.5 U*	**0.51** J	0.945 U	1.3 U	1.3 U	2.5 U	2.5 U	2.5 U	3.5 U
Chlorobenzene	220	7,260	NA	NA	NA	NA	NA	NA	NA	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.6 U	1.8 U	0.924 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.6 U
Chloroethane	18,000	594,000	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.6 U	4.2 U	0.528 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.6 U
Chloroform	0.53	17.49	NA	NA	NA	NA	NA	NA	NA	**1.2** J	**1.2** J	**1.2** J	*0.98 U*	*0.98 U*	*2.8 U*	*1.9 U*	*0.73* U	0.98 U	0.98 U	**0.52** J	0.98 U	0.98 U	**0.56** J
Chloromethane	390	12,870	NA	NA	NA	NA	NA	NA	NA	**1.3** J	**0.81** J	**1.8**	**1.2** J	**1.4** J	**1.4** J	3.3 U	**1.2**	**1.2** J	**1.1** J	**1.2** J	**1.1** J	**1** J	4.4 U
cis-1,2-Dichloroethene	180	5,940 U	0.044 U	0.0079 U	0.119 U	0.028 U	0.029 U	0.029 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	**6.3**	1.5 U	0.793 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.2 U
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.6 U	1.7 U	0.681 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.6 U
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.8 U	3.3 U	1.28 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.8 U
Dichlorodifluoromethane (Freon 12)	440	14,520	NA	NA	NA	NA	NA	NA	NA	**5**	**5.4**	**3.0** J	**2.3** J	**2.3** J	**2.8** J	**2** J	**2.05** J	**2.5** J	**2.9** J	**1.9** J	**2.5** J	**2.7** J	**3.6**
Ethylbenzene	4.9	161.7	NA	NA	NA	NA	NA	NA	NA	0.87 U	**2.5**	**0.29** J	0.87 U	0.87 U	2.4 U	1.7 U	0.867 U	**2.6**	0.87 U	**0.33** J	**0.28** J	0.87 U	2.4 U
Hexachlorobutadiene	0.56	18.48	NA	NA	NA	NA	NA	NA	NA	*13 U*	*13 U*	*13 U*	*13 U*	*13 U*	*22 U*	*17 U*	*2.67* U	13 U	13 U	13 U	13 U	13 U	*22 U*
m-Xylene & p-Xylene****	880****	NA	NA	NA	NA	NA	NA	NA	NA	0.87 U	**9**	**1.0** J	**0.57** J	**0.55** J	2.4 U	1.7 U	1.3 U	**10**	**0.6** J	**0.78** J	**0.77** J	**0.66** J	**1** J
Methyl tert-butyl ether	47	1,551	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.6 U	5.8 U	0.468 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.6 U
Methylene Chloride	1,200	39,600 U	0.53 UB	NA	NA	NA	NA	**0.87**	**0.36** J	**0.68** J	**0.50** J	**0.41** J	**0.41** J	7.3 U	5.6 U	**0.399** J	**0.45** J	**0.4** J	**0.52** J	0.69 U	**0.34** J	7.3 U
Naphthalene	0.36	11.88	NA	NA	NA	NA	NA	NA	NA	*6.3 U*	*6.3 U*	*6.3 U*	*6.3 U*	*6.3 U*	*1.1 U*	*0.84 U*	*3.66* U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	**2.3** J
o-Xylene	440	14,520	NA	NA	NA	NA	NA	NA	NA	0.87 U	**3.8**	**0.47** J	**0.27** J	**0.29** J	2.4 U	1.7 U	0.759 U	**3.2**	**0.26** J	**0.30** J	**0.28** J	**0.3** J	2.4 U
Styrene	4,400	145,200	NA	NA	NA	NA	NA	NA	NA	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	2.4 U	1.6 U	0.851 U	**1.2** J	0.85 U	**0.29** J	0.85 U	**0.33** J	**0.72** J
Tetrachloroethene	47	1,551 J	**0.093** J	**0.054**	**1.2**	**0.048**	**0.077**	**0.05**	1.4 U	1.4 U	**0.76** J	**1.6** J	1.4 U	3.8 U	2.6 U	1.36 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.8 U
Toluene	22,000	726,000	NA	NA	NA	NA	NA	NA	**0.22** J	**5.9**	**0.81** J	**0.53** J	**0.3** J	**0.65** J	**0.45** J	0.942 U	**15**	**0.91** J	**1.2** J	**1.1** J	**0.85** J	**1.5** J
trans-1,2-Dichloroethene	180	5,940	NA	NA	NA	NA	NA	NA	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.2 U	1.5 U	0.594 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.2 U
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.6 U	1.7 U	0.681 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.6 U
Trichloroethene	3	99 J	**0.14** J	**0.075**	**0.225**	**0.28**	**0.095**	**0.16**	**37**	**36**	**57**	2.1 U	2.1 U	**73**	2.1 U	0.804 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	3 U
Vinyl chloride	2.8	92.4 U	0.028 U	0.0038 U	0.0486 U	0.032 U	0.033 U	0.0014 U	1 U	1 U	1 U	1 U	1 U	1.4 U	0.98 U	0.511 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4 U
1,4-Dioxane	2.5	82.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.54** J	NA	NA	NA	NA	NA	NA	NA	1.4 U	NA	NA	NA

Notes:

$\mu g/m^3$ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
DAF = Dilution Attenuation Factor
HQ = Hazard Quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the method detection limit
Results highlighted yellow, exceed the applicable screening criteria
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (33x DAF) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154)
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers

D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

Table 6. SD052-SVI Site Buildings 774 and 776 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through February 2025)

Sample Location	Indoor Air Screening Level * ($\mu g/m^3$)	Sub-slab Vapor Screening Level ** ($\mu g/m^3$)	776-1						776VMP-2																	
Field Sample Identification			776VMP-1_1220	776-VMP-1_0122	776-VMP-1_1222	776-VMP-1_1123	776-VMP-1_032	776-VMP-1_0225	776VMP-2_1216	776VMP-2_1216-a	776VMP-2_0317	776VMP-2_0317-a	776VMP-2_0318	776VMP-2_0318-a	776VMP-2_1118	776VMP-2_1118-a	776VMP-2_0319	776VMP-2_0319-a	776VMP-2_1119	776VMP-2_1119-a	776VMP-2_1220	776VMP-2_1220-a	776-VMP-2_0122
Sample Location			Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab
Sample Type			Normal	Normal	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal	Field Duplicate	Normal	Field Duplicate	Normal	Field Duplicate	Normal	Field Duplicate	Field Duplicate	Field Duplicate	Normal	Field Duplicate	Normal
Date of Collection			12/1/2020	1/14/2022	12/21/2022	11/15/2023	3/8/2024	2/5/2025	12/1/2016	12/1/2016	3/16/2017	3/16/2017	3/21/2018	3/21/2018	11/29/2018	11/29/2018	3/25/2019	3/25/2019	11/20/2019	11/20/2019	12/1/2020	12/1/2020	1/14/2022
Sample Depth (feet bgs / ags)			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sample Collection Duration (hours)			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
VOCs ($\mu g/m^3$)																							
1,1,1-Trichloroethane	22,000	726,000	2.2 U	2.2 U	0.816 U	**0.39 J**	**0.15 J**	1.7 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.1 U	**0.54 J**	2.2 U	2.3 U	2.2 U
1,1,2,2-Tetrachloroethane	0.21	6.93	2.8 U	2.7 U	1.03 U	0.21 U	0.23 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.9 U	3.9 U	2.8 U	2.9 U	2.7 U
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	3.2 U	3.1 U	**1.13 J**	**1.7**	**1.3**	0.92 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**1.4 J**	**1.2 J**	3.1 U	3.2 U	3.1 U
1,1,2-Trichloroethane	0.77	25.4	2.2 U	2.2 U	1.09 U	0.21 U	0.23 U	0.82 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.1 U	3.1 U	2.2 U	2.3 U	2.2 U
1,1-Dichloroethane	7.7	254.1	1.7 U	1.6 U	0.601 U	0.21 U	0.23 U	0.93 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.3 U	2.3 U	1.6 U	1.7 U	1.6 U
1,1-Dichloroethene	880	29,040	1.6 U	1.6 U	0.793 U	0.21 U	0.23 U	0.95 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.2 U	2.2 U	1.6 U	1.7 U	1.6 U
1,2,4-Trichlorobenzene	8.8	290	13 U	4.5 U	2.29 U	0.4 U	0.44 U	3.6 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	16 U	16 U	12 U	13 U	4.5 U
1,2,4-Trimethylbenzene	260	8,580	2 U	2 U	0.982 U	0.2 U	**3**	1.7 U	**3 J**	**3.1 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**0.47 J**	2.8 U	2 U	2.1 U	2 U
1,2-Dibromoethane (EDB)	0.02	0.66	*3.2 U*	*4.6 U*	*1.15 U*	0.21 U	0.23 U	*0.92 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*4.3 U*	*4.3 U*	*3.1 U*	*3.2 U*	*4.6 U*
1,2-Dichlorobenzene	880	29,040	2.5 U	2.4 U	1.8 U	0.21 U	0.23 U	1.7 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.4 U	3.4 U	2.4 U	2.5 U	2.4 U
1,2-Dichloroethane	0.47	15.5	1.7 U	1.6 U	0.607 U	**0.11 J**	**0.093 J**	1.1 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.3 U	2.3 U	1.6 U	1.7 U	1.6 U
1,2-Dichloropropane	3.30	108.9	1.9 U	1.8 U	0.924 U	0.21 U	0.23 U	1.2 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	2.6 U	2.6 U	1.8 U	1.9 U	1.8 U
1,3,5-Trimethylbenzene	260	8,580	2 U	2 U	0.982 U	0.85	**0.77**	1.6 U	**0.9 J**	**0.99 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.8 U	2.8 U	2 U	2.1 U	2 U
1,3-Dichlorobenzene	NA	NA	2.5 U	4.2 U	2.4 U	**0.11 J**	0.23 U	3.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.4 U	3.4 U	2.4 U	2.5 U	4.2 U
1,4-Dichlorobenzene	1.1	36.3	2.5 U	2.4 U	0.782 U	0.21 U	0.23 U	1.9 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.4 U	3.4 U	2.4 U	2.5 U	2.4 U
2-Butanone (MEK)	22,000	726,000	**4 J**	**1.8 J**	**1.07 J**	**22**	**3.6**	**1.4**	**5.2**	**4.5**	**1.8 J**	**1.9 J**	**2.7**	**2.3 J**	**2.3 J**	**2.6**	**2.9**	**3.1**	**10**	**9.1**	**4.1 J**	**2.7 J**	**1.5 J**
2-Hexanone	130	4,290	7.1 U	2.5 U	1.23 U	0.26 U	**0.38 J**	2.4 U	**0.52 J**	**0.42 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	**2.6 J**	**2.2 J**	6.9 U	7.2 U	2.5 U
4-Ethyltoluene	NA	NA	2 U	2.9 U	0.982 U	**0.76 J**	**0.82**	1.9 U	2 U	**1.2 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.8 U	2.8 U	2 U	2.1 U	2.9 U
4-Methyl-2-pentanone (MIBK)	13,000	429,000	1.7 U	1.6 U	0.778 U	**0.26 J**	**0.29 U**	1.2 U	1.6 U	1.6 U	**0.92 J**	**0.89 J**	**1.7 J**	**1.5 J**	**0.63 J**	**0.60 J**	**0.85 J**	**0.63 J**	**2 J**	**1.9 J**	1.6 U	1.7 U	1.6 U
Acetone	NA	NA	**42**	**17**	**7.46**	**27**	**58**	**14**	**42**	**37**	**32**	**27**	**55**	**53**	**71**	**73**	**90**	**110**	**140**	**130**	**80 J**	**52 J**	**30.4 J**
Benzene	1.6	52.8	**0.41 J**	1.3 U	**0.495 J**	**0.74**	**0.58 J**	0.61 U	**2.1**	**2**	**0.53 J**	**0.56 J**	**0.62 J**	**0.61 J**	**0.53 J**	**0.55 J**	**0.44 J**	**0.45 J**	**0.66 J**	**0.61 J**	**0.49 J**	1.3 U	**2.3**
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	2.1 U	2.1 U	0.675 U	0.42 U	0.47 U	2.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.9 U	2.9 U	2.1 U	2.2 U	2.1 U
Bromodichloromethane	0.33	10.89	2.8 U	2.7 U	1.01 U	0.21 U	0.23 U	0.8 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	3.8 U	3.8 U	2.7 U	2.8 U	2.7 U
Bromoform	11	363	4.3 U	4.1 U	3.21 U	0.4 U	0.44 U	2.9 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.8 U	5.8 U	4.2 U	4.3 U	4.1 U
Bromomethane	22	726	6.7 U	1.6 U	0.776 U	0.21 U	0.23 U	1.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	8.2 U	8.2 U	6.5 U	6.8 U	1.6 U
Butadiene	0.41	NA	0.92 U	0.88 U	1.39 U	0.4 U	0.44 U	0.75 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	1.2 U	1.2 U	0.89 U	0.93 U	0.88 U
Carbon disulfide	3,100	102,300	**15**	1.2 U	0.778 U	**0.2 J**	**8.3**	0.56 U	1.2 U	1.2 U	1.2 U	**0.62 J**	1.2 U	1.2 U	**1.1 J**	**0.93 J**	**0.48 J**	**2.7 J**	**3 J**	6.6 U	**15**	5.4 U	1.2 U
Carbon tetrachloride	2	66	2.6 U	2.5 U	0.945 U	**0.4 J**	**0.35 J**	1 U	1.3 U	1.3 U	1.3 U	1.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.5 U	3.5 U	2.5 U	2.6 U	2.5 U
Chlorobenzene	220	7,260	1.9 U	1.8 U	0.924 U	0.2 U	0.22 U	1.4 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	2.6 U	2.6 U	1.8 U	1.9 U	1.8 U
Chloroethane	18,000	594,000	4.6 U	1.1 U	0.528 U	0.21 U	0.23 U	0.71 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	5.6 U	5.6 U	4.4 U	4.6 U	1.1 U
Chloroform	0.53	17.49	2 U	2 U	0.73 U	**0.33 J**	**0.21 J**	0.73 U	0.98 U	**0.53 J**	**0.53 J**	**0.54 J**	**0.58 J**	**0.53 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.65 J**	**0.94 J**	2 U	2 U	2 U
Chloromethane	390	12,870	3.6 U	**1.2 J**	**0.735 J**	**0.21 J**	**0.27 J**	**0.78**	**1.4 J**	**1.5 J**	**1.5 J**	**1.5 J**	**1.5 J**	**1.4 J**	**0.95 J**	**1.1 J**	**1.2 J**	**1.2 J**	**1.4 J**	**2 J**	3.4 U	3.6 U	**1.4 J**
cis-1,2-Dichloroethene	180	5,940	1.6 U	1.6 U	0.793 U	0.21 U	0.23 U	0.48 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.2 U	2.2 U	1.6 U	1.7 U	1.6 U
cis-1,3-Dichloropropene	NA	NA	1.9 U	1.8 U	0.681 U	0.4 U	0.44 U	1.1 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2.6 U	2.6 U	1.8 U	1.9 U	1.8 U
Dibromochloromethane	NA	NA	3.5 U	3.4 U	1.28 U	0.21 U	0.23 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	4.8 U	4.8 U	3.4 U	3.6 U	3.4 U
Dichlorodifluoromethane (Freon 12)	440	14,520	**2.5 J**	**2.4 J**	**2.69 J**	**3.1**	**2.7**	2.1 U	**2.8 J**	**2.9 J**	**3.2 J**	**3.2 J**	**2 J**	**2 J**	**2.7 J**	**2.7 J**	**3.5 J**	**3.5 J**	**4.2**	**3.6**	**3.1 J**	**3 J**	**2.5 J**
Ethylbenzene	4.9	161.7	1.8 U	1.7 U	0.867 U	**1.3**	**0.77**	1 U	**2.9**	**2.9**	**0.28 J**	0.87 U	**0.33 J**	0.87 U	0.87 U	0.87 U	**0.47 J**	**0.42 J**	2.4 U	2.4 U	1.7 U	**0.29 J**	1.7 U
Hexachlorobutadiene	0.56	18.48	18 U	4.3 U	2.67 U	0.38 U	**0.42 UJ**	2.7 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	*22 U*	*22 U*	18 U	*19 U*	4.3 U
m-Xylene & p-Xylene****	880****	NA	**0.78 J**	2.6 U	1.3 U	**4.3**	**2.8**	2.4 U	**11**	**11**	**0.64 J**	**0.56 J**	**0.75 J**	0.87 U	**0.61 J**	0.87 U	**1.2 J**	**1.1 J**	**1.1 J**	**1.3 J**	**1.4 J**	**1.3 J**	2.6 U
Methyl tert-butyl ether	47	1,551	6.2 U	1.4 U	0.468 U	0.2 U	0.22 U	1.2 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	7.6 U	7.6 U	6 U	6.3 U	1.4 U
Methylene Chloride	1,200	39,600	6 U	1.4 U	**0.354 J**	**0.29 J**	**0.39 J**	1.8 U	**0.46 J**	**0.53 J**	**0.53 J**	**0.51 J**	**0.64 J**	**0.59 J**	0.69 U	0.69 U	**0.38 J**	**0.34 J**	7.3 U	7.3 U	5.8 U	6.1 U	1.4 U
Naphthalene	0.36	11.88	**1.5 J**	3.1 U	3.66 U	**1.9**	**1 J**	2.7 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	**1.9 J**	**1.4 J**	**1.1 J**	**1 J**	3.1 U
o-Xylene	440	14,520	1.8 U	1.7 U	0.759 U	**2**	**1**	1.3 U	**3.6**	**3.6**	**0.27 J**	**0.24 J**	**0.34 J**	0.87 U	**0.23 J**	0.87 U	**0.54 J**	**0.46 J**	2.4 U	2.4 U	**0.5 J**	**0.59 J**	1.7 U
Styrene	4,400	145,200	1.8 U	2.6 U	0.851 U	0.38 U	**0.6 J**	0.89 U	**1.5 J**	**1.7**	**0.28 J**	0.85 U	**0.41 J**	0.85 U	**0.34 J**	0.85 U	**0.55 J**	**0.42 J**	**0.78 J**	**0.56 J**	**0.29 J**	1.8 U	2.6 U
Tetrachloroethene	47	1,551	2.8 U	0.68 U	1.36 U	**0.39 J**	**0.22 J**	0.38 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.40 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.8 U	3.8 U	2.7 U	2.8 U	0.68 U
Toluene	22,000	726,000	**0.98 J**	**3.4**	**0.889 J**	**3.7**	**3.6**	0.87 U	**16**	**15**	**0.95 J**	**0.9 J**	**1.3 J**	**1.1 J**	**1.2 J**	**1.2 J**	**1.4 J**	**1.3 J**	**2.4 J**	**2.6**	**0.99 J**	**0.95 J**	**3.0 J**
trans-1,2-Dichloroethene	180	5,940	1.6 U	1.6 U	0.594 U	0.21 U	0.23 U	0.44 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.2 U	2.2 U	1.6 U	1.7 U	1.6 U
trans-1,3-Dichloropropene	NA	NA	1.9 U	2.7 U	0.681 U	0.38 U	0.42 U	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	2.6 U	2.6 U	1.8 U	1.9 U	2.7 U
Trichloroethene	3	99	2.2 U	0.43 U	0.804 U	0.2 U	0.22 U	0.41 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**1.3 J**	**1.2 J**	**1.2 J**	**1.4 J**	**1.7 J**	**1 J**	0.43 U
Vinyl chloride	2.8	92.4	1 U	1 U	0.511 U	0.21 U	0.23 U	0.72 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4 U	1.4 U	1 U	1.1 U	1 U
1,4-Dioxane	2.5	82.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

$\mu g/m^3$ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
DAF = Dilution Attenuation Factor
HQ = Hazard Quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the method detection limit
Results highlighted yellow, exceed the applicable screening criteria
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (33x DAF) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154)
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers

D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

Table 6. SD052-SVI Site Buildings 774 and 776 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results
(December 2016 through February 2025)

| Sample Location | | |

Table 6. SD052-SVI Site Buildings 774 and 776 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through February 2025)

Sample Location	Indoor Air Screening Level * ($\mu g/m^3$)	Sub-slab Vapor Screening Level ** ($\mu g/m^3$)	776IA-1													776OA-1								
Field Sample Identification			776IA-1_0317	776IA-1_0318	776IA-1_1118	776IA-1_0319	776IA-1_1119	776IA-1_1220	776-IA-1_011422	776-IA-1_0322	776-IA-1_1222	776-IA-1_1123	776-IA-1_0324	776-IA-1_0225	776OA-1_1216	776OA-1_0317	776OA-1_0318	776OA-1_1118	776OA-1_0319	776OA-1_1119	776OA-1_1220	776-OA-1_0122	776-OA-1
Sample Location			Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdo
Sample Type			Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Norm
Date of Collection			3/16/2017	3/21/2018	11/29/2018	3/25/2019	11/20/2019	12/1/2020	1/14/2022	3/25/2022	12/21/2022	11/15/2023	3/8/2024	2/5/2025	12/1/2016	3/16/2017	3/21/2018	11/29/2018	3/25/2019	11/20/2019	12/1/2020	1/14/2022	12/21/2
Sample Depth (feet bgs / ags)			5	5	5	5	5	5	5	5	5	5	5	5	2	2	2	2	2	2	2	2	2
Sample Collection Duration (hours)			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
VOCs ($\mu g/m^3$)																							
1,1,1-Trichloroethane	22,000	726,000	1.1 U	0.055 U	0.055 U	0.055 U	0.045 U	**0.018 J**	NA	**0.031**	0.103 U	**0.02 J**	0.03 U	**0.026 J**	1.1 U	1.1 U	1.1 U	2.6 U	1.1 U	2.8 U	2 U	0.55 U	0.816
1,1,2,2-Tetrachloroethane	0.21	6.93	*1.4 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*1.4 U*	*1.4 U*	*1.4 U*	*3.3 U*	*1.4 U*	*3.6 U*	*2.6 U*	*0.69 U*	*1.03*
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	3.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1 U	3.1 U	3.1 U	7.3 U	3.1 U	4 U	2.9 U	0.77 U	1.53
1,1,2-Trichloroethane	0.77	25.4	*1.1 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*1.1 U*	*1.1 U*	*1.1 U*	*2.6 U*	*1.1 U*	*2.8 U*	*2 U*	0.55 U	*1.09*
1,1-Dichloroethane	7.7	254.1	0.81 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.81 U	0.81 U	0.81 U	1.9 U	0.81 U	2.1 U	1.5 U	0.4 U	0.601
1,1-Dichloroethene	880	29,040	1.6 U	0.04 U	0.04 U	0.04 U	0.033 U	0.045 U	0.004 U	**0.013**	0.0753 U	0.027 U	0.031 U	0.031 U	1.6 U	1.6 U	1.6 U	3.8 U	1.6 U	2.1 U	1.5 U	0.4 U	0.793
1,2,4-Trichlorobenzene	8.8	290	*8.9 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*8.9 U*	*8.9 U*	*8.9 U*	*21 U*	*8.9 U*	*14 U*	*12 U*	1.1 U	2.29
1,2,4-Trimethylbenzene	260	8,580	**1.6 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	4.7 U	2 U	**0.82 J**	1.8 U	0.49 U	0.982
1,2-Dibromoethane (EDB)	0.02	0.66	*1.5 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*1.5 U*	*1.5 U*	*1.5 U*	*3.7 U*	*1.5 U*	*4 U*	*2.9 U*	*1.2 U*	*1.15*
1,2-Dichlorobenzene	880	29,040	2.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4 U	2.4 U	2.4 U	5.7 U	2.4 U	3.1 U	2.2 U	0.6 U	1.8
1,2-Dichloroethane	0.47	15.5	*0.81 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*0.81 U*	*0.81 U*	*0.81 U*	*1.9 U*	*0.81 U*	*2.1 U*	*1.5 U*	0.4 U	*0.607*
1,2-Dichloropropane	3.30	108.9	*3.7 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*3.7 U*	*3.7 U*	*3.7 U*	*8.8 U*	*3.7 U*	2.4 U	1.7 U	0.46 U	0.924
1,3,5-Trimethylbenzene	260	8,580	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	4.7 U	2 U	2.6 U	1.8 U	0.49 U	0.982
1,3-Dichlorobenzene	NA	NA	2.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4 U	2.4 U	2.4 U	5.7 U	2.4 U	3.1 U	2.2 U	1.1 U	2.4
1,4-Dichlorobenzene	1.1	36.3	*2.4 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*2.4 U*	*2.4 U*	*2.4 U*	*5.7 U*	*2.4 U*	*3.1 U*	*2.2 U*	0.6 U	0.782
2-Butanone (MEK)	22,000	726,000	**1.7 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.82 J**	**1.1 J**	**1.2 J**	**3.3 J D**	**1.9 J**	**2.6 J**	4.6 U	**0.5 J**	0.56
2-Hexanone	130	4,290	0.82 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82 U	0.82 U	0.82 U	2 U	0.82 U	8 U	6.4 U	0.61 U	1.23
4-Ethyltoluene	NA	NA	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U	4.7 U	2 U	2.6 U	1.8 U	0.74 U	0.982
4-Methyl-2-pentanone (MIBK)	13,000	429,000	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.6 U	3.9 U	1.6 U	2.1 U	1.5 U	0.41 U	0.778
Acetone	NA	NA	**25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14**	**7 J**	**8.3 J**	**34** D	**14**	**23**	**24**	**4.3**	**2.76**
Benzene	1.6	52.8	**0.53 J**	**0.48**	**0.37**	**0.35**	**0.49**	**0.44**	**0.45**	**0.35**	**0.54**	**0.4**	**0.35**	**0.45**	**1.8**	**0.45 J**	**0.49 J**	1.5 U	**0.8 J**	*1.7* U	1.2 U	**0.70**	**0.629**
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	*2.1 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*2.1 U*	*2.1 U*	*2.1 U*	*4.9 U*	*2.1 U*	*2.7 U*	*1.9 U*	*0.52 U*	*0.675*
Bromodichloromethane	0.33	10.89	*1.3 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*1.3 U*	*1.3 U*	*1.3 U*	*3.2 U*	*1.3 U*	*3.5 U*	*2.5 U*	*0.67 U*	*1.01*
Bromoform	11	363	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.1 U	2.1 U	4.9 U	2.1 U	5.4 U	3.9 U	1 U	3.21
Bromomethane	22	726	3.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1 U	3.1 U	3.1 U	7.4 U	3.1 U	7.6 U	6.1 U	0.39 U	0.776
Butadiene	0.41	NA	*0.88 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*0.88 U*	*0.88 U*	*0.88 U*	*2.1 U*	*0.88 U*	*1.2 U*	*0.83 U*	0.22 U	*1.39*
Carbon disulfide	3,100	102,300	1.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.2 U	3 U	**1 J**	6.1 U	4.9 U	0.31 U	0.778
Carbon tetrachloride	2	66	1.3 *U*	**0.42**	**0.65**	**0.42**	**0.59**	**0.54**	**0.33**	**0.47**	**0.513**	**0.39**	**0.39**	**0.69**	1.3 U	1.3 U	*2.5 U*	*6 U*	*2.5 U*	*3.3 U*	*2.4 U*	0.63 U	0.945
Chlorobenzene	220	7,260	0.92 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.92 U	0.92 U	0.92 U	2.2 U	0.92 U	2.4 U	1.7 U	0.46 U	0.924
Chloroethane	18,000	594,000	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.1 U	2.1 U	5 U	2.1 U	**4** U	4.1 U	0.26 U	0.528
Chloroform	0.53	17.49	**0.47 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*0.98 U*	*0.98 U*	*0.98 U*	*2.3 U*	*0.98 U*	*2.5 U*	*1.8 U*	0.49 U	*0.73*
Chloromethane	390	12,870	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.97 J**	**1.3 J**	**1.6 J**	**1.2 J D**	**1.4 J**	**1.6 J**	**1.5 J**	**1.3**	**0.983**
cis-1,2-Dichloroethene	180	5,940	0.79 U	**1.2**	0.04 U	0.04 U	0.033 U	0.045 U	**0.59**	0.79 U	0.119 U	0.026 U	0.03 U	0.03 U	0.79 U	0.79 U	0.79 U	1.9 U	0.79 U	2.1 U	1.5 U	0.4 U	0.793
cis-1,3-Dichloropropene	NA	NA	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U	1.8 U	4.3 U	1.8 U	2.4 U	1.7 U	0.45 U	0.681
Dibromochloromethane	NA	NA	1.7 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.7 U	1.7 U	4.1 U	1.7 U	4.4 U	3.2 U	0.85 U	1.28
Dichlorodifluoromethane (Freon 12)	440	14,520	**3.2 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.3 J**	**2.8 J**	**1.9 J**	**2.1 J D**	**2.5 J**	**2.5 J**	**2.3 J**	**2.5**	**2.18**
Ethylbenzene	4.9	161.7	**0.29 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.87 U	0.87 U	0.87 U	**1.6 J D**	0.87 U	**0.62 J**	1.6 U	0.43 U	0.867
Hexachlorobutadiene	0.56	18.48	*13 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*13 U*	*13 U*	*13 U*	*31 U*	*13 U*	*21 U*	*17 U*	*1.1 U*	*2.67*
m-Xylene & p-Xylene****	880****	NA	**1.1 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.87 U	0.87 U	0.87 U	**2.3 J D**	**0.52 J**	**2.9**	1.6 U	0.65 U	1.3
Methyl tert-butyl ether	47	1,551	1.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U	1.4 U	3.4 U	1.4 U	7 U	5.6 U	0.36 U	0.468
Methylene Chloride	1,200	39,600	**0.41 J**	**0.38 J**	0.35 U	**0.56 J**	0.72 U	0.61 UB	NA	NA	NA	NA	NA	**1.6**	**0.3 J**	**0.4 J**	**0.52 J**	1.7 U	**0.35 J**	6.8 U	5.4 U	**0.73**	**0.389**
Naphthalene	0.36	11.88	*6.3 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*6.3 U*	*6.3 U*	*6.3 U*	*15 U*	*6.3 U*	*1 U*	*0.82 U*	*0.79 U*	*3.66*
o-Xylene	440	14,520	**0.57 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.87 U	0.87 U	0.87 U	2.1 U	0.87 U	**1.1 J**	1.6 U	0.43 U	0.759
Styrene	4,400	145,200	**0.27 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.85 U	0.85 U	0.85 U	2 U	0.85 U	2.2 U	1.6 U	0.64 U	0.851
Tetrachloroethene	47	1,551	1.4 U	**0.17**	0.14 U	0.14 U	**0.088 J**	**0.045 J**	**6.6**	**0.068**	0.204 U	**0.23**	**0.04**	**0.042**	1.4 U	1.4 U	1.4 U	3.2 U	1.4 U	3.5 U	2.5 U	0.17 U	1.36
Toluene	22,000	726,000	**0.93 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.49 J**	**0.23 J**	**0.53 J**	**0.6 J D**	**3**	**1.5 J**	**0.38 J**	**0.68 J**	**0.998**
trans-1,2-Dichloroethene	180	5,940	0.79 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.79 U	0.79 U	0.79 U	1.9 U	0.79 U	2.1 U	1.5 U	0.4 U	0.594
trans-1,3-Dichloropropene	NA	NA	0.91 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.91 U	0.91 U	0.91 U	2.2 U	0.91 U	2.4 U	1.7 U	0.68 U	0.681
Trichloroethene	3	99	2.1 U	**0.13**	0.054 U	**0.027 J**	**0.081 J**	**0.074 J**	**2.4**	**0.21**	**0.149 J**	**0.16**	**0.087**	**0.12**	2.1 U	2.1 U	2.1 U	*5.1* U	2.1 U	2.8 U	2 U	0.11 U	0.804
Vinyl chloride	2.8	92.4	1 U	0.026 U	0.026 U	0.026 U	0.021 U	0.029 U	0.0038 U	0.0051 U	0.0486 U	0.03 U	0.034 U	0.0014 U	1 U	1 U	1 U	2.4 U	1 U	1.3 U	0.96 U	0.26 U	0.511
1,4-Dioxane	2.5	82.5	NA	**0.062 J**	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	1.4 U	NA	NA	NA	NA	0.54 U	NA

Notes:

$\mu g/m^3$ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
DAF = Dilution Attenuation Factor
HQ = Hazard Quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the method detection limit
Results highlighted yellow, exceed the applicable screening criteria
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (33x DAF) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154)
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers

D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

Table 6. SD052-SVI Site Buildings 774 and 776 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through February 2025)

Sample Location	Indoor Air Screening Level * (µg/m³)	Sub-slab Vapor Screening Level ** (µg/m³)		1222		776-OA-1_1123		776-OA-1_0225	
Field Sample Identification				or		Outdoor		Outdoor	
Sample Location				l		Normal		Normal	
Sample Type				022		11/15/2023		2/5/2025	
Date of Collection						2		2	
Sample Depth (feet bgs / ags)						8		8	
Sample Collection Duration (hours)									
VOCs (µg/m³)									
1,1,1-Trichloroethane	22,000	726,000	U	0.19	U	1.7	U		
1,1,2,2-Tetrachloroethane	0.21	6.93	U	0.2	U	*1.3*	U		
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	U	**0.5**	**J**	0.92	U		
1,1,2-Trichloroethane	0.77	25.4	U	0.2	U	*0.82*	U		
1,1-Dichloroethane	7.7	254.1	U	0.2	U	0.95	U		
1,1-Dichloroethene	880	29,040	U	0.2	U	0.92	U		
1,2,4-Trichlorobenzene	8.8	290	U	0.37	U	3.6	U		
1,2,4-Trimethylbenzene	260	8,580	U	0.19	U	1.7	U		
1,2-Dibromoethane (EDB)	0.02	0.66	*U*	*0.2*	*U*	*0.92*	*U*		
1,2-Dichlorobenzene	880	29,040	U	0.2	U	1.7	U		
1,2-Dichloroethane	0.47	15.5	U	**0.085**	**J**	*1.1*	U		
1,2-Dichloropropane	3.30	108.9	U	0.2	U	**1.2**	**J**		
1,3,5-Trimethylbenzene	260	8,580	U	0.2	U	1.6	U		
1,3-Dichlorobenzene	NA	NA	U	0.2	U	3.2	U		
1,4-Dichlorobenzene	1.1	36.3	U	0.2	U	*1.9*	U		
2-Butanone (MEK)	22,000	726,000	U	0.74	**J**	1.3	U		
2-Hexanone	130	4,290	U	0.088	**J**	2.4	U		
4-Ethyltoluene	NA	NA	U	0.37	U	1.9	U		
4-Methyl-2-pentanone (MIBK)	13,000	429,000	U	**0.094**	**J**	1.2	U		
Acetone	NA	NA	**J**	**5.9**	**J**	**3.1**			
Benzene	1.6	52.8	**J**	0.63	U	0.61	U		
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	*U*	*0.39*	*U*	*2.6*	*U*		
Bromodichloromethane	0.33	10.89	U	0.2	U	*0.8*	U		
Bromoform	11	363	U	0.37	U	2.9	U		
Bromomethane	22	726	U	0.2	U	1.1	U		
Butadiene	0.41	NA	*U*	0.37	U	*0.75*	U		
Carbon disulfide	3,100	102,300	U	0.38	U	0.56	U		
Carbon tetrachloride	2	66	U	**0.36**	**J**	0.93	U		
Chlorobenzene	220	7,260	U	0.19	U	1.4	U		
Chloroethane	18,000	594,000	U	0.2	U	0.71	U		
Chloroform	0.53	17.49	U	**0.11**	**J**	*0.73*			
Chloromethane	390	12,870	**J**	**0.25**	**J**	**0.74**	**J**		
cis-1,2-Dichloroethene	180	5,940	U	0.2	U	0.48	U		
cis-1,3-Dichloropropene	NA	NA	U	0.37	U	1.1	U		
Dibromochloromethane	NA	NA	U	0.2	U	1.8	U		
Dichlorodifluoromethane (Freon 12)	440	14,520	**J**	**2.3**		**2.1**	**J**		
Ethylbenzene	4.9	161.7	U	**0.1**	**J**	1	U		
Hexachlorobutadiene	0.56	18.48	U	0.36	U	0.36	U		
m-Xylene & p-Xylene****	880****	NA	U	**0.24**	**J**	2.4	U		
Methyl tert-butyl ether	47	1,551	U	0.19	U	1.2	U		
Methylene Chloride	1,200	39,600	**J**	**0.34**	**J**	1.8	**U**		
Naphthalene	0.36	11.88	U	0.36	U	2.7	U		
o-Xylene	440	14,520	U	**0.11**	**J**	1.3	U		
Styrene	4,400	145,200	U	0.36	U	0.89	U		
Tetrachloroethene	47	1,551	U	**0.11**	**J**	0.38			
Toluene	22,000	726,000	**J**	**0.56**	**J**	0.87			
trans-1,2-Dichloroethene	180	5,940	U	0.2	U	0.44	U		
trans-1,3-Dichloropropene	NA	NA	U	0.36	U	1.8	U		
Trichloroethene	3	99	U	**0.13**	**J**	0.41	U		
Vinyl chloride	2.8	92.4	U	0.2	U	0.72	U		
1,4-Dioxane	2.5	82.5		NA		NA			

Notes:

µg/m³ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
DAF = Dilution Attenuation Factor
HQ = Hazard Quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
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VOC = volatile organic compound
Bolded results are detections above the method detection limit
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* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (33x DAF) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154)
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers

D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

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Table 7. SD052-SVI Site Buildings 785 and 786 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (March 2025)

Sample Location	Indoor Air Screening Level * ($\mu g/m^3$)	Sub-slab Vapor Screening Level ** ($\mu g/m^3$)	785VMP-2		785VMP-2		785VMP-4		785VMP-5		785IA-1		785-IA-2		785OA-1		786VMP-1		786VMP-2		786VMP-3		786IA-1	
Field Sample Identification			785-VMP-2_0325		785-VMP-2_0325-A		785-VMP-4_0327		785-VMP-5_0327		785-IA-1_0327		785-IA-2_0327		785-OA-1_0327		786-VMP-1_0327		786-VMP-2_0327		786-VMP-3_0327		786-IA-1_0327	
Sample Location			Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Indoor		Indoor		Outdoor		Sub-Slab		Sub-Slab		Sub-Slab		Indoor	
Sample Type			Normal		Field Duplicate		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal	
Date of Collection			3/28/2025		3/28/2025		3/28/2025		3/28/2025		3/28/2025		3/28/2025		3/28/2025		3/28/2025		3/28/2025		3/28/2025		3/28/2025	
Sample Depth (feet bgs / ags)			2.5		2.5		1		1		5		5		2		2.5		1		2.5		5	
Sample Collection Duration (hours)			8		8		8		8		8		8		8		8		8		8		8	
VOCs ($\mu g/m^3$)																								
1,1,1-Trichloroethane	22,000	726,000	0.43	U	0.43	U	0.43	U	0.43	U	0.011	U	0.011	U	0.43	U	0.43	U	0.43	U	0.43	U	0.011	U
1,1,2,2-Tetrachloroethane	0.21	6.93	0.33	U	0.33	U	0.33	U	0.33	U	NA		NA		*0.33*	U	0.33	U	0.33	U	0.33	U	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	**2.2**		**2**		**1.5**		**0.76**	**J**	NA		NA		0.24	U	0.24	U	**1**		0.24	U	NA	
1,1,2-Trichloroethane	0.77	25.4	0.21	U	0.21	U	0.21	U	0.21	U	NA		NA		0.21	U	0.21	U	0.21	U	0.21	U	NA	
1,1-Dichloroethane	7.7	254.1	0.23	U	0.23	U	0.23	U	0.23	U	NA		NA		0.23	U	0.23	U	0.23	U	0.23	U	NA	
1,1-Dichloroethene	880	29,040	0.23	U	0.23	U	0.23	U	0.23	U	0.004	U	0.004	U	0.23	U	0.23	U	0.23	U	0.23	U	0.004	U
1,2,4-Trichlorobenzene	8.8	290	0.89	U	0.89	U	ND		0.89	U	NA		NA		0.89	U	0.89	U	0.89	U	0.89	U	NA	
1,2,4-Trimethylbenzene	260	8,580	**3.5**		**3**		**29**		**0.84**	**J**	NA		NA		0.43	U	**6.4**		0.43	U	0.43	U	NA	
1,2-Dibromoethane (EDB)	0.02	0.7	0.23	U	0.23	U	0.23	U	0.23	U	NA		NA		*0.23*	U	0.23	U	0.23	U	0.23	U	NA	
1,2-Dichlorobenzene	880	29,040	0.41	U	0.41	U	0.41	U	0.41	U	NA		NA		0.41	U	0.41	U	0.41	U	0.41	U	NA	
1,2-Dichloroethane	0.47	15.5	0.28	U	0.28	U	0.28	U	0.28	U	NA		NA		0.28	U	0.28	U	0.28	U	0.28	U	NA	
1,2-Dichloropropane	3.3	108.9	0.29	U	0.29	U	0.29	U	0.29	U	NA		NA		0.29	U	0.29	U	0.29	U	0.29	U	NA	
1,3,5-Trimethylbenzene	260	8,580	**0.98**		**0.74**	**J**	**15**		0.39	U	NA		NA		0.39	U	**2.5**		0.39	U	0.39	U	NA	
1,3-Dichlorobenzene	NA	NA	0.17	U	0.17	U	0.17	U	0.17	U	NA		NA		0.17	U	0.17	U	0.17	U	0.17	U	NA	
1,4-Dichlorobenzene	1.1	36.3	0.47	U	0.47		0.47	U	0.47	U	NA		NA		0.47	U	0.47	U	0.47	U	0.47	U	NA	
2-Butanone (MEK)	22,000	726,000	**49.3**		52.5		**14**		**28**		NA		NA		**1.9**		**3.8**		**0.97**		**4.1**		NA	
2-Hexanone	130	4,290	0.61	U	0.61	U	0.61	U	0.61	U	NA		NA		0.61	U	0.61	U	0.61	U	0.61	U	NA	
4-Ethyltoluene	NA	NA	**0.74**	**J**	**0.74**	**J**	**6.4**		0.47	U	NA		NA		0.47	U	**2.1**		0.47	U	0.47	U	NA	
4-Methyl-2-pentanone (MIBK)	13,000	429,000	**0.57**	**J**	**0.7**	**J**	0.3	U	**0.41**	**J**	NA		NA		0.3	U	0.3	U	0.3	U	0.3	U	NA	
Acetone	NA	NA	**7.8**		**8.3**		**13**		**8.6**		NA		NA		**3.3**		**6.7**		**1.6**		**12**		NA	
Benzene	1.6	52.8	**1.7**		**2**		**2**		**0.99**		**1.5**		**5.8**		**0.64**		**0.58**	**J**	**0.45**	**J**	**0.48**	**J**	**0.48**	
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	0.67	U	0.67	U	0.67	U	0.67	U	NA		NA		*0.67*	U	0.67	U	0.67	U	0.67	U	NA	
Bromodichloromethane	0.33	10.89	0.2	U	0.2	U	0.2	U	0.2	U	NA		NA		0.2	U	0.2	U	0.2	U	0.2	U	NA	
Bromoform	11	363	0.73	U	0.73	U	0.73	U	0.73	U	NA		NA		0.73	U	0.73	U	0.73	U	0.73	U	NA	
Bromomethane	22	726	0.27	U	0.27	U	0.27	U	0.27	U	NA		NA		0.27	U	0.27	U	0.27	U	0.27	U	NA	
Butadiene	0.41	NA	0.19	U	0.19	U	0.19	U	0.19	U	NA		NA		0.19	U	0.19	U	0.19	U	0.19	U	NA	
Carbon disulfide	3,100	102,300	**0.65**		**0.75**		0.34	U	0.34	U	NA		NA		0.34	U	0.34	U	0.34	U	0.34	U	NA	
Carbon tetrachloride	2	66	0.25	U	0.25	U	0.25	U	0.25	U	**0.48**		**0.53**		0.25	U	0.25	U	0.25	U	0.25	U	**0.55**	
Chlorobenzene	220	7,260	0.34	U	0.34	U	0.34	U	0.34	U	NA		NA		0.34	U	0.34	U	0.34	U	0.34	U	NA	
Chloroethane	18,000	594,000	0.18	U	0.18	U	0.18	U	0.18	U	NA		NA		0.18	U	0.18	U	0.18	U	0.18	U	NA	
Chloroform	0.53	17.49	0.18	U	0.18	U	0.18	U	0.18	U	NA		NA		**0.18**		0.18	U	**0.59**	**J**	0.18	U	NA	
Chloromethane	390	12,870	**1**		**1.1**		**0.45**		**0.47**		NA		NA		**0.93**		**0.93**		**0.47**		**0.45**		NA	
cis-1,2-Dichloroethene	180	5,940	0.12	U	0.12	U	0.12	U	**0.48**		0.0091	U	0.0091	U	0.12	U	**0.75**		**0.59**		0.12	U	0.0091	U
cis-1,3-Dichloropropene	NA	NA	0.28 U	U	0.28	U	0.28	U	0.28	U	NA		NA		0.28	U	0.28	U	0.28	U	0.28	U	NA	
Dibromochloromethane	NA	NA	1.0 U	U	1	U	1	U	1	U	NA		NA		1	U	1	U	1	U	1	U	NA	
Dichlorodifluoromethane (Freon 12)	440	14,520	**2.2**		**2.2**		**2.4**		**2.2**		NA		NA		**2.1**		**2.1**		**2.1**		**2.1**		NA	
Ethylbenzene	4.9	161.7	**1.3**		**1.2**		**4.3**		**0.61**	**J**	NA		NA		0.26	U	0.26	U	0.26	U	0.26	U	NA	
Hexachlorobutadiene	0.56	18.48	0.66	U	0.66	U	0.66	U	0.66	U	NA		NA		*0.66*	U	0.66	U	0.66	U	0.66	U	NA	
m-Xylene & p-Xylene	880***	NA	**4.3**		**4.3**		**6.1**		**2.1**		NA		NA		0.61	U	**0.87**		0.61	U	0.61	U	NA	
Methyl tert-butyl ether	47	1,551	0.29	U	0.29	U	0.29	U	0.29	U	NA		NA		0.29	U	0.29	U	0.29	U	0.29	U	NA	
Methylene Chloride	1,200	39,600	**0.8**	**J**	**3.2**	**J**	**0.97**		**0.8**		**0.56**	J	**0.73**	J	**0.73**		**0.87**		0.45	U	**1.5**		**0.66**	J
Naphthalene	0.36	11.88	0.68	U	0.68	U	0.68		0.68	U	NA		NA		*0.68*	U	0.68	U	0.68	U	0.68	U	NA	
o-Xylene	440	14,520	**1.7**		**1.6**		**7.4**		**0.74**	**J**	NA		NA		0.33	U	**0.74**	**J**	0.33	U	0.33	U	NA	
Styrene	4,400	145,200	0.23	U	0.23	U	0.23	U	0.23	U	NA		NA		0.23	U	0.23	U	0.23	U	0.23	U	NA	
Tetrachloroethene	47	1,551	**1**		**1.2**		**1.6**		**1.2**		**1.3**		**4.3**		0.2	U	**1.2**		**0.63**	**J**	**0.56**		**0.06**	
Toluene	22,000	726,000	**9.4**		**11**		**11**		**4.5**		NA		NA		0.21	U	**1.1**		**0.41**	**J**	**0.57**	**J**	NA	
trans-1,2-Dichloroethene	180	5,940	0.27	U	0.27	U	0.27	U	**0.67**		NA		NA		0.27	U	0.27	U	0.27	U	0.27	U	NA	
trans-1,3-Dichloropropene	NA	NA	0.45	U	0.45	U	0.45	U	0.45	U	NA		NA		0.45	U	0.45	U	0.45	U	0.45	U	NA	
Trichloroethene	3	99	**9.7**		**8.6**		**14**		**1.1**		**0.17**		**0.18**		0.1	U	**1.6**		**9.1**		**3.9**		**0.11**	
Trichlorofluoromethane (Freon 11)	NA	NA	**1.3**		**1.3**		**1.3**		**1.4**		NA		NA		**1.3**		**1.3**		**1.2**		**1.2**		NA	
Vinyl acetate	880	29,040	0.39 U	U	0.39 U	U	**1.7**		0.39 U	U	NA		NA		0.39 U	J	**0.7**		**0.63**	**J**	**0.91**		NA	
Vinyl chloride	2.8	92.4	0.18	U	0.18	U	0.18	U	0.18	U	0.0014	U	0.0014	U	0.18	U	0.18	U	0.18	U	0.18	U	0.0014	U

Notes:

$\mu g/m^3$ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
HQ = hazard quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the limit of detection
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (0.03 attenuation factor) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154), USEPA, July 2015
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers

D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

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Table 8. SD052-SVI Site Buildings 785 and 786 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through March 2025)

Sample Location			785VMP-2																															
Field Sample Identification	Indoor Air Screening Level * ($\mu g/m^3$)	Sub-slab Vapor Screening Level ** ($\mu g/m^3$)	785VMP-2_1216		785VMP-2_1216-a		785VMP-2_0317		785VMP-2_0317-a		785VMP-2_0318		785VMP-2_0318-a		785VMP-2_1118		785VMP-2_1118-a		785VMP-2_0319		785VMP-2_0319-a		785-VMP-2_1119		785-VMP-2_1119-a		785-VMP-2_1220		785-VMP-2_1220-a		785-VMP-2_011422		785-VMP-2_011422-A		785-VMP-2_1222		785-VMP-2_1222-a		785-VMP-2_1123		785-VMP-2_1123-a		785-VMP-2_0325	
Sample Location			Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab	
Sample Type			Normal		Field Duplicate		Normal		Field Duplicate		Normal		Field Duplicate		Normal		Field Duplicate		Normal		Field Duplicate		Normal		Field Duplicate		Normal		Field Duplicate		Normal		Field Duplicate		Normal		Field Duplicate		Normal		Field Duplicate		Normal	
Date of Collection			12/1/2016		12/1/2016		3/17/2017		3/17/2017		3/21/2018		3/21/2018		11/29/2018		11/29/2018		3/25/2019		3/25/2019		11/19/2019		11/19/2019		12/2/2020		12/2/2020		1/14/2022		1/14/2022		12/21/2022		12/21/2022		11/13/2023		11/13/2023		3/28/2025	
Sample Depth (feet bgs / ags)			2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5		2.5	
Sample Collection Duration (hours)			8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8	
VOCs ($\mu g/m^3$)																																													
1,1,1-Trichloroethane	22,000	726,000	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	**0.82**	**J**	3.4	U	2.2	U	2.3	U	2.2	U	2.2	U	0.816	U	0.816	U	**0.37**	**J**	**0.41**	**J**	0.43	U
1,1,2,2-Tetrachloroethane	0.21	6.93	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	3.7	U	4.3	U	2.8	U	2.9	U	2.7	U	2.7	U	1.03	U	1.03	U	0.21	U	0.22	U	0.33	U
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	**1**	**J**	4.8	U	3.1	U	3.3	U	3.1	U	3.1	U	**2.34**	**J**	**2.75**	**J**	**2.2**		**2.2**		**2.2**	
1,1,2-Trichloroethane	0.77	25.4	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	2.9	U	3.4	U	2.2	U	2.3	U	2.2	U	2.2	U	1.09	U	1.09	U	0.21	U	0.22	U	0.21	U
1,1-Dichloroethane	7.7	254.1	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	2.2	U	2.6	U	1.6	U	1.7	U	1.6	U	1.6	U	0.601	U	0.601	U	0.21	U	0.22	U	0.23	U
1,1-Dichloroethene	880	29,040	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	2.1	U	2.5	U	1.6	U	1.7	U	1.6	U	1.6	U	0.793	U	0.793	U	0.21	U	0.22	U	0.23	U
1,2,4-Trichlorobenzene	8.8	290	8.9	U	8.9	U	8.9	U	8.9	U	8.9	U	8.9	U	8.9	U	8.9	U	8.9	U	8.9	U	15	U	18	U	12	U	13	U	4.5	U	4.5	U	2.29	U	2.29	U	0.39	U	0.41	U	0.89	U
1,2,4-Trimethylbenzene	260	8,580	2	U	2	U	**4**	**J**	**7.2**	**J**	**1.1**	**J**	**0.94**	**J**	**7.7**		2	U	**2.8**	**J**	**2.5**	**J**	**4.5**	**J**	**4.2**	**J**	**3.4**	**J**	**4.2**	**J**	2	U	2	U	**2.91**		**2.89**		**5.1**		**5.5**		**3.5**	
1,2-Dibromoethane (EDB)	0.02	0.7	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*4.1*	*U*	*4.8*	*U*	*3.1*	*U*	*3.3*	*U*	*4.6*	*U*	*4.6*	*U*	*1.15*	*U*	*1.15*	*U*	0.21	U	0.22	U	0.23	U
1,2-Dichlorobenzene	880	29,040	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.2	U	3.8	U	2.4	U	2.6	U	2.4	U	2.4	U	1.8	U	1.8	U	0.21	U	0.22	U	0.41	U
1,2-Dichloroethane	0.47	15.5	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	2.2	U	2.6	U	1.6	U	1.7	U	1.6	U	1.6	U	0.607	U	0.607	U	0.21	U	0.22	U	0.28	U
1,2-Dichloropropane	3.3	108.9	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	2.5	U	2.9	U	1.8	U	2	U	1.8	U	1.8	U	0.924	U	0.924	U	0.21	U	0.22	U	0.29	U
1,3,5-Trimethylbenzene	260	8,580	2	U	2	U	**1.4**	**J**	**2.3**	**J**	2	U	2	U	**2.7**	**J**	2	U	**0.91**	**J**	**0.91**	**J**	**1.7**	**J**	**1.6**	**J**	**1.3**	**J**	**1.2**	**J**	2	U	2	U	**0.952**	**J**	**0.854**	**J**	**1.3**		**1.5**		**0.98**	
1,3-Dichlorobenzene	NA	NA	2.4	U	2.4	U	**1.5**	**J**	**3.2**	**J**	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.2	U	3.8	U	2.4	U	2.6	U	4.2	U	4.2	U	2.4	U	2.4	U	0.21	U	0.22	U	0.17	U
1,4-Dichlorobenzene	1.1	36.3	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.2	U	3.8	U	2.4	U	2.6	U	2.4	U	2.4	U	0.782	U	0.782	U	**0.19**	**J**	**0.16**	**J**	0.47	U
2-Butanone (MEK)	22,000	726,000	**3**		**3.1**		**5.5**		**7**		**2.7**		**2.6**		**5.4**		**4.6**		**43**		**40**		**4.6**	**J**	**4.3**	**J**	**55**	**J**	**20**	**J**	**2.2**	**J**	**2.8**		**3.36**	**J**	**4.33**		**23**		**26**		**49.3**	
2-Hexanone	130	4,290	**0.68**	**J**	**0.65**	**J**	**0.46**	**J**	0.82	U	**0.47**	**J**	**0.41**	**J**	**1.7**		0.82	U	**1.3**	**J**	**1.5**	**J**	8.2	U	9.7	U	6.9	U	7.3	U	2.5	U	2.5	U	1.23	U	1.23	U	0.26	U	0.27	U	0.61	U
4-Ethyltoluene	NA	NA	2	U	2	U	**1.8**	**J**	**2.4**	**J**	2	U	**1.1**	**J**	**1.8**	**J**	2	U	2	U	2	U	**3.8**		**3.5**	**J**	**3.6**		**3.4**	**J**	2.9	U	2.9	U	**2.89**		**2.57**		**1.2**		**1.3**		**0.74**	**J**
4-Methyl-2-pentanone (MIBK)	13,000	429,000	1.6	U	1.6	U	**2.3**	**J**	**4.6**	**J**	1.6	U	1.6	U	1.6	U	1.6	U	**1.7**	**J**	**1.7**	**J**	2.2	U	2.6	U	**5.1**	**J**	**2.1**	**J**	1.6	U	1.6	U	**0.475**	**J**	**0.438**	**J**	**0.69**		**0.66**	**J**	**0.57**	**J**
Acetone	NA	NA	**8.8**	**J**	**8.7**	**J**	**23**		**31**		**13**		**11**	**J**	**13**		**12**		**38**		**36**		**15**	**J**	**29**	**J**	**200**	**J**	**110**	**J**	**6.2**		**7.8**		**5.51**	**J**	**9.39**	**J**	**17**		**17**		**7.8**	
Benzene	1.6	52.8	**0.32**	**J**	**0.28**	**J**	**3.3**		**3.5**		**0.71**	**J**	**0.49**	**J**	**0.44**	**J**	**0.39**	**J**	**0.96**	**J**	**0.91**	**J**	**1.5**	**J**	**1.7**	**J**	**0.97**	**J**	**0.94**	**J**	**1.4**	**J**	**1.4**	**J**	**4.5**		**5.02**		**3.0**		**2.9**		**1.7**	
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.8	U	3.3	U	2.1	U	2.2	U	2.1	U	2.1	U	0.675	U	0.675	U	0.41	U	0.44	U	0.67	U
Bromodichloromethane	0.33	10.89	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	3.6	U	4.2	U	2.7	U	2.9	U	2.7	U	2.7	U	1.01	U	1.01	U	0.21	U	0.22	U	0.2	U
Bromoform	11	363	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	5.5	U	6.5	U	4.2	U	4.4	U	4.1	U	4.1	U	3.21	U	3.21	U	0.39	U	0.41	U	0.73	U
Bromomethane	22	726	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	7.8	U	9.2	U	6.5	U	6.9	U	1.6	U	1.6	U	0.776	U	0.776	U	0.21	U	0.22	U	0.27	U
Butadiene	0.41	NA	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	1.2	U	1.4	U	0.89	U	0.95	U	0.88	U	0.88	U	1.39	U	1.39	U	**0.25**	**J**	**0.25**	**J**	0.19	U
Carbon disulfide	3,100	102,300	1.2	U	**0.54**	**J**	1.2	U	**0.49**	**J**	1.2	U	1.2	U	1.2	U	**14**		**0.91**	**J**	**0.79**	**J**	**3.6**	**J**	7.4	U	5.2	U	5.6	U	1.2	U	1.2	U	**0.598**	**J**	**1.14**	**J**	**0.6**	**J**	**0.72**	**J**	**0.65**	
Carbon tetrachloride	2	66	1.3	U	1.3	U	1.3	U	1.3	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	3.4	U	4	U	2.5	U	2.7	U	2.5	U	2.5	U	0.945	U	0.945	U	**0.34**	**J**	**0.34**	**J**	0.25	U
Chlorobenzene	220	7,260	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	2.5	U	2.9	U	1.8	U	2	U	1.8	U	1.8	U	0.924	U	0.924	U	0.2	U	0.21	U	0.34	U
Chloroethane	18,000	594,000	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	5.3	U	6.2	U	4.4	U	4.7	U	1.1	U	1.1	U	0.528	U	0.528	U	0.21	U	0.22	U	0.18	U
Chloroform	0.53	17.49	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	**0.65**	**J**	3.1	U	2	U	2.1	U	2	U	2	U	0.73	U	0.73	U	**0.26**	**J**	**0.26**	**J**	0.18	U
Chloromethane	390	12,870	**0.79**	**J**	**0.76**	**J**	**1.5**	**J**	**1.9**		**2.5**		**2.2**		**0.89**	**J**	**0.88**	**J**	**4.9**		**4.5**		**3.4**	**J**	**1.9**	**J**	**2.3**	**J**	**1.9**	**J**	**1.9**	**J**	**2.9**	**J**	**1**	**J**	**1.24**		**0.3**	**J**	**0.27**	**J**	**1**	
cis-1,2-Dichloroethene	180	5,940	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	**0.38**	**J**	0.79	U	0.79	U	**2.3**	**J**	2.5	U	1.6	U	1.7	U	1.6	U	1.6	U	0.793	U	**0.622**	**J**	**0.17**	**J**	**0.18**	**J**	0.12	U
cis-1,3-Dichloropropene	NA	NA	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	2.4	U	2.9	U	1.8	U	1.9	U	1.8	U	1.8	U	0.681	U	0.681	U	0.39	U	0.41	U	0.28 U	U
Dibromochloromethane	NA	NA	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	4.6	U	5.4	U	3.4	U	3.6	U	3.4	U	3.4	U	1.28	U	1.28	U	0.21	U	0.22	U	1.0 U	U
Dichlorodifluoromethane (Freon 12)	440	14,520	**2.2**	**J**	**2.2**	**J**	**2.8**	**J**	**2.7**	**J**	**1.7**	**J**	**1.8**	**J**	**1.7**	**J**	**1.6**	**J**	**2.6**	**J**	**2.3**	**J**	**2.9**	**J**	**2.8**	**J**	**2.2**	**J**	**2.3**	**J**	**2.1**	**J**	**2.2**	**J**	**2.23**	**J**	**2.36**	**J**	**2.4**		**2.4**		**2.2**	
Ethylbenzene	4.9	161.7	0.87	U	0.87	U	**3.3**	**J**	**5.2**	**J**	**0.3**	**J**	**0.35**	**J**	**1.6**	**J**	0.87	U	**1.6**	**J**	**1.5**	**J**	**1.6**	**J**	**1.2**	**J**	**24**	**J**	**6.8**	**J**	1.7	U	1.7	U	**3.57**		**3.39**		**2.7**		**3**		**1.3**	
Hexachlorobutadiene	0.56	18.48	13	U	13	U	13	U	13	U	13	U	13	U	13	U	13	U	13	U	13	U	*21*	*U*	*25*	*U*	18	U	*19*	*U*	4.3	U	4.3	U	2.67	U	2.67	U	0.38	U	0.4	U	0.66	U
m-Xylene & p-Xylene	880***	NA	**0.65**	**J**	**0.64**	**J**	**12**	**J**	**18**	**J**	**1**	**J**	**0.91**	**J**	**6.6**		0.87	U	**5.9**		**5.4**		**5.2**		**4.5**		**91**	**J**	**26**	**J**	2.6	U	2.6	U	**12.7**		**11.8**		**8.7**		**9.7**		**4.3**	
Methyl tert-butyl ether	47	1,551	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	7.2	U	8.5	U	6	U	6.4	U	1.4	U	1.4	U	0.468	U	0.468	U	0.2	U	0.21	U	0.29	U
Methylene Chloride	1,200	39,600	**0.33**	**J**	**0.26**	**J**	**0.5**	**J**	**0.47**	**J**	**0.45**	**J**	0.69	U	0.69	U	0.69	U	**0.29**	**J**	**0.36**	**J**	7	U	8.2	U	5.8	U	6.2	U	1.4	U	1.4	U	**0.549**	**J**	**0.431**	**J**	**0.43**	**J**	**0.41**	**J**	**0.8**	**J**
Naphthalene	0.36	11.88	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	**1.2**	**J**	**0.78**	**J**	0.88	U	**0.71**	**J**	3.1	U	3.1	U	3.66	U	3.66	U	**1.1**	**J**	**1.7**	**J**	0.68	U
o-Xylene	440	14,520	**0.26**	**J**	**0.28**	**J**	**4.7**	**J**	**7.7**	**J**	**0.48**	**J**	**0.45**	**J**	**2.9**		0.87	U	**1.8**		**1.7**		**2.2**	**J**	**2.4**	**J**	**28**	**J**	**8.1**	**J**	1.7	U	1.7	U	**4.23**		**4.06**		**3.4**		**3.7**		**1.7**	
Styrene	4,400	145,200	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	**1.1**	**J**	2.7	U	**4.1**	**J**	**1.3**	**J**	2.6	U	2.6	U	0.851	U	0.851	U	13		**14**		0.23	U
Tetrachloroethene	47	1,551	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	3.6	U	4.3	U	2.7	U	**34**		0.68	U	0.68	U	1.36	U	1.36	U	**0.85**	**J**	**0.9**	**J**	**1**	
Toluene	22,000	726,000	**0.9**	**J**	**0.64**	**J**	**15**	**J**	**22**	**J**	**0.93**	**J**	**0.89**	**J**	**2.00**	**J**	**0.45**	**J**	**12**		**11**		**7.8**	**J**	**20**	**J**	**40**	**J**	**26**	**J**	**2.9**	**J**	**2.9**	**J**	**25.3**		**27.5**		**21**		**22**		**9.4**	
trans-1,2-Dichloroethene	180	5,940	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	**3.8**	**J**	**22**	**J**	1.6	U	1.7	U	1.6	U	1.6	U	**0.361**	**J**	**0.367**	**J**	**0.16**	**J**	**0.16**	**J**	0.27	U
trans-1,3-Dichloropropene	NA	NA	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	2.4	U	2.9	U	1.8	U	1.9	U	2.7	U	2.7	U	0.681	U	0.681	U	0.38	U	0.4	U	0.45	U
Trichloroethene	3	99	**1.1**	**J**	**1**	**J**	2.1	U	2.1	U	**13**		**13**		**1.7**	**J**	**1.5**	**J**	**1.6**	**J**	**1.6**	**J**	**170**	**J**	**20**	**J**	2.2	U	**2**	**J**	**3.1**	**J**	**7.5**	**J**	**12.8**		**13.8**		**8.2**		**8.1**		**9.7**	
Trichlorofluoromethane (Freon 11)	NA	NA	**1.2**	**J**	**1.2**	**J**	**1.5**	**J**	**1.5**	**J**	**1.5**	**J**	**1.5**	**J**	**1.3**	**J**	**1.2**	**J**	**1.7**	**J**	**1.4**	**J**	**1.2**	**J**	**1.3**	**J**	**1.2**	**J**	**1.1**	**J**	2.2	U	2.2	U	**1.33**	**J**	**1.4**	**J**	**1.1**		**1.1**		**1.3**	
Vinyl acetate	880	29,040	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	7.1	U	8.3	U	5.9	U	6.3	U	2.1	U	2.1	U	0.88	U	0.88	U	3.3	U	3.5	U	0.39 U	U
Vinyl chloride	2.8	92.4	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	**0.51**	**J**	1.6	U	1	U	1.1	U	1	U	1	U	0.511	U	0.511	U	**0.13**	**J**	**0.11**	**J**	0.18	U

Notes:

$\mu g/m^3$ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
HQ = hazard quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the limit of detection
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (0.03 attenuation factor) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154), USEPA, July 2015
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers
D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

Table 8. SD052-SVI Site Buildings 785 and 786 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through March 2025)

Sample Location	Indoor Air Screening Level * ($\mu g/m^3$)	Sub-slab Vapor Screening Level ** ($\mu g/m^3$)	785VMP-2		785VMP-4																785VMP-5									
Field Sample Identification			785-VMP-2_0325-A		785VMP-4_1216		785VMP-4_0317		785VMP-4_0318		785VMP-4_1118		785VMP-4_0319		785-VMP-4_1119		785-VMP-4_1220		785-VMP-4_011422		785-VMP-4_1222		785-VMP-4_1123		785-VMP-4_0327		785VMP-5_1216		785VMP-5_0317		785VMP-5_0318		785VMP-5_1118		785VMP-5_0319		785-VMP-5_1119		785-VMP-5_1220		785-VMP-5_011422	
Sample Location			Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab		Sub-Slab	
Sample Type			Field Duplicate		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal		Normal	
Date of Collection			3/28/2025		12/1/2016		3/17/2017		3/21/2018		11/29/2018		3/25/2019		11/19/2019		12/2/2020		1/14/2022		12/21/2022		11/13/2023		3/28/2025		12/1/2016		3/17/2017		3/21/2018		11/29/2018		3/25/2019		11/19/2019		12/2/2020		1/14/2022	
Sample Depth (feet bgs / ags)			2.5		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Sample Collection Duration (hours)			8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8	
VOCs ($\mu g/m^3$)																																											
1,1,1-Trichloroethane	22,000	726,000	0.43	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	3.4	U	NA		2.2	U	0.816	U	**0.29**	**J**	0.43	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	3.1	U	2.2	U	2.2	U
1,1,2,2-Tetrachloroethane	0.21	6.93	0.33	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	4.3	U	NA		2.7	U	1.03	U	0.21	U	0.33	U	1.4	U	1.4	U	1.4	U	1.4	U	**2.3**	**J**	4	U	2.8	U	2.7	U
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	**2**		3.1	U	3.1	U	**1.2**	**J**	3.1	U	3.1	U	4.8	U	NA		3.1	U	**1.19**	**J**	**1.3**		**1.5**		3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	4.4	U	3.1	U	3.1	U
1,1,2-Trichloroethane	0.77	25.4	0.21	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	3.4	U	NA		2.2	U	1.09	U	0.21	U	0.21	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	3.1	U	2.2	U	2.2	U
1,1-Dichloroethane	7.7	254.1	0.23	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	2.6	U	NA		1.6	U	0.601	U	0.21	U	0.23	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	2.3	U	1.6	U	1.6	U
1,1-Dichloroethene	880	29,040	0.23	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	2.5	U	NA		1.6	U	0.793	U	0.21	U	0.23	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	2.3	U	1.6	U	1.6	U
1,2,4-Trichlorobenzene	8.8	290	0.89	U	8.9	U	8.9	U	8.9	U	8.9	U	8.9	U	18	U	NA		4.5	U	2.29	U	0.4	U	ND		8.9	U	8.9	U	8.9	U	8.9	U	**7.6**	**J**	16	U	12	U	4.5	U
1,2,4-Trimethylbenzene	260	8,580	**3**		**13**		**4.5**		**4.5**		**4**		**5.8**		**7.6**	**J**	NA		2	U	**1.41**	**J**	**29**		**29**		2	U	**11**		2	U	2	U	**4.9**		**0.43**	**J**	**1.1**	**J**	2	U
1,2-Dibromoethane (EDB)	0.02	0.7	0.23	U	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*4.8*	*U*	NA		*4.6*	*U*	*1.15*	*U*	0.21	U	0.23	U	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	*1.5*	*U*	**0.6**	**J**	*4.4*	*U*	*3.1*	*U*	*4.6*	*U*
1,2-Dichlorobenzene	880	29,040	0.41	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.8	U	NA		2.4	U	1.8	U	0.21	U	0.41	U	2.4	U	2.4	U	2.4	U	2.4	U	**3.9**	**J**	3.5	U	2.4	U	2.4	U
1,2-Dichloroethane	0.47	15.5	0.28	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	2.6	U	NA		1.6	U	0.607	U	0.21	U	0.28	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	2.3	U	1.6	U	1.6	U
1,2-Dichloropropane	3.3	108.9	0.29	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	2.9	U	NA		1.8	U	0.924	U	0.21	U	0.29	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	2.7	U	1.9	U	1.8	U
1,3,5-Trimethylbenzene	260	8,580	**0.74**	**J**	**3.5**	**J**	**1.5**	**J**	**1.5**	**J**	**1.7**	**J**	**1.9**	**J**	**2.2**	**J**	NA		2	U	**0.431**	**J**	**8.5**		**15**		2	U	**3.4**	**J**	2	U	2	U	**3**	**J**	2.8	U	**0.36**	**J**	2	U
1,3-Dichlorobenzene	NA	NA	0.17	U	2.4	U	**2**	**J**	2.4	U	2.4	U	2.4	U	3.8	U	NA		4.2	U	2.4	U	0.21	U	0.17	U	2.4	U	**4.8**		2.4	U	2.4	U	**3.7**	**J**	3.5	U	2.4	U	4.2	U
1,4-Dichlorobenzene	1.1	36.3	0.47		2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	3.8	U	NA		2.4	U	0.782	U	0.21	U	0.47	U	2.4	U	2.4	U	2.4	U	2.4	U	**3.7**	**J**	3.5	U	2.4	U	2.4	U
2-Butanone (MEK)	22,000	726,000	52.5		**1**	**J**	**4.9**		1.2	U	**9.9**		**7.9**		**20**		NA		**2**	**J**	**6.87**		**24**		**14**		**1.5**	**J**	**5.7**		1.2	U	1.2	U	1.2	U	**8.9**		5	U	**1.9**	**J**
2-Hexanone	130	4,290	0.61	U	0.82	U	**0.38**	**J**	0.82	U	**0.42**	**J**	0.82	U	9.7	U	NA		2.5	U	1.23	U	0.26	U	0.61	U	0.82	U	0.82	U	0.82	U	0.82	U	**1**	**J**	8.8	U	6.9	U	2.5	U
4-Ethyltoluene	NA	NA	**0.74**	**J**	**4.2**		**1.9**	**J**	2	U	**1.2**	**J**	**1.4**	**J**	**6.2**		NA		2.9	U	**1.26**	**J**	**4.2**		**6.4**		2	U	**2.4**	**J**	2	U	2	U	**3.3**	**J**	2.8	U	**0.87**	**J**	2.9	U
4-Methyl-2-pentanone (MIBK)	13,000	429,000	**0.7**	**J**	1.6	U	**1.9**	**J**	1.6	U	**1.2**	**J**	**1.4**	**J**	2.6	U	NA		1.6	U	**1.2**	**J**	**0.58**	**J**	0.3	U	1.6	U	**3.4**		1.6	U	1.6	U	**0.62**	**J**	2.4	U	1.6	U	1.6	U
Acetone	NA	NA	**8.3**		**55**		**32**		**25**		**37**		**32**		**52**		NA		**7.6**		**23.2**		**27**		**13**		**45**		**30**		**8**	**J**	**150**		**7.3**	**J**	**39**		**5.2**	**J**	**16**	
Benzene	1.6	52.8	**2**		**1.3**		**2.8**		**0.56**	**J**	**0.67**	**J**	**2**		**1.9**	**J**	NA		**1.8**	**J**	**2.33**		**3.3**		**2**		**3.7**		**1.9**		**0.47**	**J**	**0.4**	**J**	**0.67**	**J**	**0.78**	**J**	**0.49**	**J**	1.3	U
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	0.67	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	3.3	U	NA		2.1	U	0.675	U	0.43	U	0.67	U	2.1	U	2.1	U	2.1	U	2.1	U	**2**	**J**	3	U	2.1	U	2.1	U
Bromodichloromethane	0.33	10.89	0.2	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	4.2	U	NA		2.7	U	1.01	U	0.21	U	0.2	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	3.8	U	2.7	U	2.7	*U*
Bromoform	11	363	0.73	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	6.5	U	NA		4.1	U	3.21	U	0.4	U	0.73	U	2.1	U	2.1	U	2.1	U	2.1	U	**1.8**	**J**	6	U	4.2	U	4.1	U
Bromomethane	22	726	0.27	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	9.2	U	NA		1.6	U	0.776	U	0.21	U	0.27	U	3.1	U	3.1	U	3.1	U	3.1	U	3.1	U	8.4	U	6.6	U	1.6	U
Butadiene	0.41	NA	0.19	U	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	1.4	U	NA		0.88	U	1.39	U	**0.34**	**J**	0.19	U	0.88	U	0.88	U	0.88	U	0.88	U	0.88	U	1.3	U	0.9	U	0.88	U
Carbon disulfide	3,100	102,300	**0.75**		**0.63**	**J**	1.2	U	1.2	U	**10**		1.2	U	7.4	U	NA		1.2	U	0.778	U	1.7		0.34	U	**0.54**	**J**	1.2	U	1.2	U	1.2	U	1.2	U	6.7	U	**6.2**	**J**	1.2	U
Carbon tetrachloride	2	66	0.25	U	1.3	U	1.3	U	2.5	U	2.5	U	2.5	U	4	U	NA		2.5	U	0.945	U	0.35	J	0.25	U	1.3	U	1.3	U	2.5	U	2.5	U	2.5	U	3.6	U	2.5	U	2.5	U
Chlorobenzene	220	7,260	0.34	U	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	2.9	U	NA		1.8	U	0.924	U	0.2	U	0.34	U	0.92	U	0.92	U	0.92	U	0.92	U	**1.4**		2.6	U	1.9	U	1.8	U
Chloroethane	18,000	594,000	0.18	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	6.2	U	NA		1.1	U	0.528	U	0.21	U	0.18	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	5.7	U	4.4	U	1.1	U
Chloroform	0.53	17.49	0.18	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	3.1	U	NA		2	U	0.73	U	**0.4**	**J**	0.18	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	2.8	U	2	U	2	U
Chloromethane	390	12,870	**1.1**		**0.49**	**J**	**1.3**	**J**	**1.1**	**J**	**17**		**0.76**	**J**	**22**		NA		**1.8**		**0.622**	**J**	**0.16**	**J**	**0.45**		**0.48**	**J**	**1**	**J**	**0.89**	**J**	**0.72**	**J**	**0.72**	**J**	4.5	U	3.5	U	**0.89**	**J**
cis-1,2-Dichloroethene	180	5,940	0.12	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	2.5	U	NA		1.6	U	0.793	U	**0.24**	**J**	0.12	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	2.3	U	1.6	U	1.6	U
cis-1,3-Dichloropropene	NA	NA	0.28	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	2.9	U	NA		1.8	U	0.681	U	0.4	U	0.28	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	2,6	U	1.8	U	1.8	U
Dibromochloromethane	NA	NA	1	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	5.4	U	NA		3.4	U	1.28	U	0.21	U	1	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	4.9	U	3.4	U	3.4	U
Dichlorodifluoromethane (Freon 12)	440	14,520	**2.2**		**2.1**	**J**	**3**	**J**	**2**	**J**	**1.6**	**J**	**2.5**	**J**	**2.4**	**J**	NA		**2.1**	**J**	**2.4**	**J**	**2.7**		**2.4**		**2.1**	**J**	**2.8**	**J**	**1.6**	**J**	**1.7**	**J**	**2.2**	**J**	**2.4**	**J**	**2.3**	**J**	**2.3**	**J**
Ethylbenzene	4.9	161.7	**1.2**		**1.7**		**2.8**		**0.53**	**J**	**1.4**	**J**	**2.3**		**1.6**	**J**	NA		1.7	U	**2.12**		**5.8**		**4.3**		**0.47**	**J**	**5.8**		**0.27**	**J**	0.87	U	**1.6**	**J**	2.5	U	**0.57**	**J**	1.7	U
Hexachlorobutadiene	0.56	18.48	0.66	U	13	U	13	U	13	U	13	U	13	U	*25*	*U*	NA		4.3	U	2.67	U	0.39	U	0.66	U	13	U	13	U	13	U	13	U	**8.7**	**J**	*23*	*U*	18	U	4.3	U
m-Xylene & p-Xylene	880***	NA	**4.3**		**5.6**		**9.8**		**1.5**	**J**	**5.4**		**8.5**		**5.8**		NA		2.6	U	**7.28**		**13**		**6.1**		**0.87**	**J**	**21**		**0.46**	**J**	0.87	U	**4.4**		**0.85**	**J**	**2.2**	**J**	2.6	U
Methyl tert-butyl ether	47	1,551	0.29	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	8.5	U	NA		1.4	U	0.468	U	0.2	U	0.29	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	7.8	U	6.1	U	1.4	U
Methylene Chloride	1,200	39,600	**3.2**	**J**	**0.35**	**J**	**0.49**	**J**	**0.47**	**J**	**0.27**	**J**	**0.38**	**J**	8.2	U	NA		**3**		**6.18**		**0.47**	**J**	**0.97**		**0.32**	**J**	**0.5**	**J**	**1.2**	**J**	0.69	U	**0.39**	**J**	7.5	U	5.9	U	1.4	U
Naphthalene	0.36	11.88	0.68	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	1.2	U	NA		3.1	U	3.66	U	0.36	J	0.68		6.3	U	6.3	U	6.3	U	6.3	U	**5.1**	**J**	1.1	U	**0.25**	**J**	*3.1*	*U*
o-Xylene	440	14,520	**1.6**		**3.5**		**4.4**		**0.94**	**J**	**2.3**		**2.7**		**2.6**	**J**	NA		1.7	U	**2.33**		**7.1**		**7.4**		**0.34**	**J**	**9.9**		0.87	U	0.87	U	**2.2**		2.5	U	**0.69**	**J**	1.7	U
Styrene	4,400	145,200	0.23	U	**1.2**	**J**	0.85	U	0.85	U	0.85	U	0.85	U	2.7	U	NA		2.6	U	**0.472**	**J**	**15**		0.23	U	**1.9**		0.85	U	**0.59**	**J**	0.85	U	**2.4**		2.4	U	**0.51**	**J**	2.6	U
Tetrachloroethene	47	1,551	**1.2**		1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	4.3	U	NA		0.68	U	1.36	U	**0.9**	**J**	**1.6**		1.4	U	1.4	U	**0.35**	**J**	1.4	U	**0.88**	**J**	3.9	U	2.7	U	0.68	U
Toluene	22,000	726,000	**11**		**2.2**		**11**		**0.97**	**J**	**2.4**		**16**		**11**		NA		**4.9**		0.942	U	21		**11**		**1.1**	**J**	**12**		**0.72**	**J**	**0.22**	**J**	**2.4**		**3.6**		**7.6**		2.3	U
trans-1,2-Dichloroethene	180	5,940	0.27	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	**31**		NA		1.6	U	0.594	U	0.15	J	0.27	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	**4.6**		**1.1**	**J**	1.6	U
trans-1,3-Dichloropropene	NA	NA	0.45	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	2.9	U	NA		2.7	U	0.681	U	0.39	U	0.45	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	2.6	U	1.8	U	2.7	U
Trichloroethene	3	99	**8.6**		2.1	U	2.1	U	2.1	U	**2.1**	**J**	**2.2**	**J**	3.4	U	NA		0.43	U	**2.77**		**19**		**14**		**2.1**	**J**	2.1	U	**0.97**	**J**	**1.1**	**J**	**5.8**		3.1	U	**1.2**	**J**	0.43	U
Trichlorofluoromethane (Freon 11)	NA	NA	**1.3**		**1.2**	**J**	**1.7**	**J**	**1.6**	**J**	**1.4**	**J**	**1.5**	**J**	**1.4**	**J**	NA		2.2	U	**1.52**	**J**	**1.1**		**1.3**		**1.3**	**J**	**1.5**	**J**	**1.6**	**J**	**1.3**	**J**	**1.5**	**J**	**1.3**	**J**	**0.97**	**J**	2.2	U
Vinyl acetate	880	29,040	0.39	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	8.3	U	NA		2.1	U	0.88	U	3.4	U	**1.7**		1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	7.6	U	5.9	U	2.1	U
Vinyl chloride	2.8	92.4	0.18	U	1	U	1	U	1	U	1	U	1	U	1.6	U	NA		1	U	0.511	U	0.21	U	0.18	U	1	U	1	U	1	U	1	U	1	U	1.5	U	1	U	1	U

Notes:

$\mu g/m^3$ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
HQ = hazard quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the limit of detection
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (0.03 attenuation factor) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154), USEPA, July 2015
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers

D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

Table 8. SD052-SVI Site Buildings 785 and 786 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through March 2025)

Sample Location	Indoor Air Screening Level * ($\mu g/m^3$)	Sub-slab Vapor Screening Level ** ($\mu g/m^3$)	785VMP-5			785IA-1												785-IA-2				785OA-1	
Field Sample Identification			785-VMP-5_1222	785-VMP-5_1123	785-VMP-5_0327	785IA-1_1216	785IA-1_0317	785IA-1_0318	785IA-1_1118	785IA-1_0319	785-IA-1_1119	785-IA-1_1220	785-IA-1_011422	785-IA-1_1222	785-IA-1_0923	785IA-1_0923	785-IA-1_1123	785-IA-1_0327	785-IA-2_0923	785-IA-2_0923	785-IA-2_1123	785-IA-2_0327	785OA-1_1216	785OA-1_0317
Sample Location			Sub-Slab	Sub-Slab	Sub-Slab	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor
Sample Type			Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Date of Collection			12/21/2022	11/14/2023	3/28/2025	12/1/2016	3/17/2017	3/21/2018	11/29/2018	3/25/2019	11/19/2019	12/2/2020	1/14/2022	12/21/2022	9/21/2023	9/21/2023	11/13/2023	3/28/2025	9/21/2023	9/21/2023	11/13/2023	3/28/2025	12/1/2016	3/17/2017
Sample Depth (feet bgs / ags)			1	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	2	2
Sample Collection Duration (hours)			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
VOCs ($\mu g/m^3$)																								
1,1,1-Trichloroethane	22,000	726,000	0.816 U	**0.14 J**	0.43 U	1.1 U	1.1 U	0.055 U	0.055 U	0.055 U	0.044 U	**0.016 J**	0.0082 U	0.103 U	0.026 U	0.026 U	0.026 U	0.011 U	0.026 U	0.026 U	0.026 U	0.011 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	0.21	6.93	1.03 U	0.21 U	0.33 U	*1.4 U*	*1.4 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*1.4 U*	*1.4 U*
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	1.53 U	**0.57 J**	**0.76 J**	3.1 U	3.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1 U	3.1 U
1,1,2-Trichloroethane	0.77	25.4	1.09 U	0.21 U	0.21 U	*1.1 U*	*1.1 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*1.1 U*	*1.1 U*
1,1-Dichloroethane	7.7	254.1	0.601 U	0.21 U	0.23 U	0.81 U	0.81 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.81 U	0.81 U
1,1-Dichloroethene	880	29,040	0.793 U	0.21 U	0.23 U	1.6 U	1.6 U	0.04 U	0.04 U	0.04 U	0.032 U	0.043 U	0.004 U	0.0753 U	0.028 U	0.028 U	0.027 U	0.004 U	0.027 U	0.027 U	0.027 U	0.004 U	1.6 U	1.6 U
1,2,4-Trichlorobenzene	8.8	290	2.29 U	0.4 U	0.89 U	*8.9 U*	*8.9 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*8.9 U*	*8.9 U*
1,2,4-Trimethylbenzene	260	8,580	**0.393 J**	**1.3**	**0.84 J**	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U
1,2-Dibromoethane (EDB)	0.02	0.7	*1.15 U*	0.21 U	0.23 U	*1.5 U*	*1.5 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*1.5 U*	*1.5 U*
1,2-Dichlorobenzene	880	29,040	1.8 U	0.21 U	0.41 U	2.4 U	2.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4 U	2.4 U
1,2-Dichloroethane	0.47	15.5	0.607 U	0.21 U	0.28 U	*0.81 U*	*0.81 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*0.81 U*	*0.81 U*
1,2-Dichloropropane	3.3	108.9	0.924 U	0.21 U	0.29 U	*3.7 U*	*3.7 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*3.7 U*	*3.7 U*
1,3,5-Trimethylbenzene	260	8,580	0.982 U	**0.31 J**	0.39 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U
1,3-Dichlorobenzene	NA	NA	2.4 U	0.21 U	0.17 U	2.4 U	2.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.81 J**	2.4 U
1,4-Dichlorobenzene	1.1	36.3	0.782 U	0.21 U	0.47 U	*2.4 U*	*2.4 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*2.4 U*	*2.4 U*
2-Butanone (MEK)	22,000	726,000	**1.27 J**	**6.4**	**28**	**0.83 J**	**0.88 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2 J**	1.2 U
2-Hexanone	130	4,290	1.23 U	0.26 U	0.61 U	0.82 U	0.82 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82 U	0.82 U
4-Ethyltoluene	NA	NA	0.982 U	**0.32 J**	0.47 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U
4-Methyl-2-pentanone (MIBK)	13,000	429,000	0.778 U	**0.23 J**	**0.41 J**	1.6 U	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U
Acetone	NA	NA	**10.2**	**16**	**8.6**	**6.8 J**	**9.2 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18**	**3.6 J**
Benzene	1.6	52.8	**0.642 J**	**1.2**	**0.99**	**0.39 J**	**2.6**	**0.52**	**0.50**	**0.87**	**1.40**	**0.91**	**0.83**	**4.34**	**2.2 J**	**2.2 J**	**2.4**	**1.5**	**0.7 J**	**0.7 J**	**1.6**	**5.8**	**1.1 J**	**0.58 J**
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	0.675 U	0.42 U	0.67 U	*2.1 U*	*2.1 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*2.1 U*	*2.1 U*
Bromodichloromethane	0.33	10.89	1.01 U	0.21 U	0.2 U	*1.3 U*	*1.3 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*1.3 U*	*1.3 U*
Bromoform	11	363	3.21 U	0.4 U	0.73 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.1 U
Bromomethane	22	726	0.776 U	0.21 U	0.27 U	3.1 U	3.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1 U	3.1 U
Butadiene	0.41	NA	1.39 U	0.4 U	0.19 U	*0.88 U*	*0.88 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*0.88 U*	*0.88 U*
Carbon disulfide	3,100	102,300	0.778 U	**1 J**	0.34 U	1.2 U	**0.51 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 U	1.2 U
Carbon tetrachloride	2	66	0.945 U	**0.33 J**	0.25 U	1.3 U	1.3 U	**0.34**	**0.59**	**0.34**	**0.47**	**0.47**	**0.31**	**0.535**	**0.44**	**0.44**	**0.4**	**0.48**	**0.45**	**0.45**	**0.42**	**0.53**	1.3 U	1.3 U
Chlorobenzene	220	7,260	0.924 U	0.2 U	0.34 U	0.92 U	0.92 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.92 U	0.92 U
Chloroethane	18,000	594,000	0.528 U	0.21 U	0.18 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.1 U
Chloroform	0.53	17.49	0.73 U	**0.37 J**	0.18 U	*0.98 U*	*0.98 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*0.98 U*	*0.98 U*
Chloromethane	390	12,870	**0.556 J**	**0.11 J**	**0.47**	**0.87 J**	**1.6 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.95 J**	**1.5 J**
cis-1,2-Dichloroethene	180	5,940	0.793 U	0.21 U	**0.48**	0.79 U	0.79 U	0.04 U	0.04 U	0.04 U	**0.037 J**	0.043 U	0.0079 U	0.119 U	0.026 U	0.026 U	0.026 U	0.0091 U	**0.039 J**	**0.039** J	0.026 U	0.0091 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	NA	NA	0.681 U	0.4 U	0.28 U	1.8 U	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8 U	1.8 U
Dibromochloromethane	NA	NA	1.28 U	0.21 U	1 U	1.7 U	1.7 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7 U	1.7 U
Dichlorodifluoromethane (Freon 12)	440	14,520	**2.2 J**	**2.2**	**2.2**	**2.1 J**	**2.4 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.2 J**	**2.9 J**
Ethylbenzene	4.9	161.7	**0.455 J**	**0.95**	**0.61 J**	0.87 U	**1.3 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.98 J**	0.87 U
Hexachlorobutadiene	0.56	18.48	2.67 U	0.38 U	0.66 U	*13 U*	*13 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*13 U*	*13 U*
m-Xylene & p-Xylene	880***	NA	**1.12 J**	**2.8**	**2.1**	0.87 U	**4.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.8**	**0.58 J**
Methyl tert-butyl ether	47	1,551	0.468 U	0.2 U	0.29 U	1.4 U	1.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U
Methylene Chloride	1,200	39,600	**0.722 J**	**0.47 J**	**0.8**	**0.38 J**	**0.61 J**	**0.52 J**	**0.5 J**	0.35 U	0.7 U	0.54 UB	NA	NA	NA	NA	NA	**0.56** J	NA	NA	NA	**0.73** J	**0.36 J**	**0.39 J**
Naphthalene	0.36	11.88	3.66 U	**0.24 J**	0.68 U	*6.3 U*	*6.3 U*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*6.3 U*	*6.3 U*
o-Xylene	440	14,520	**0.46 J**	**1.2**	**0.74 J**	0.87 U	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.3 J**	0.87 U
Styrene	4,400	145,200	**0.41 J**	**2.5**	0.23 U	0.85 U	0.85 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.31 J**	0.85 U
Tetrachloroethene	47	1,551	1.36 U	**0.52 J**	**1.2**	1.4 U	1.4 U	0.14 U	0.14 U	0.14 U	**0.054 J**	**0.15 J**	**0.075**	**0.382 J**	**0.75**	**0.75**	**1.3**	**1.3**	**0.25**	**0.25**	**0.3**	**4.3**	1.4 U	**0.4 J**
Toluene	22,000	726,000	**2.17**	**4.8**	**4.5**	**0.63 J**	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.1**	**0.54 J**
trans-1,2-Dichloroethene	180	5,940	0.594 U	**0.18 J**	**0.67**	0.79 U	0.79 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.79 U	0.79 U
trans-1,3-Dichloropropene	NA	NA	0.681 U	0.38 U	0.45 U	0.91 U	0.91 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.91 U	0.91 U
Trichloroethene	3	99	**0.38 J**	**14**	**1.1**	2.1 U	2.1 U	**0.029 J**	0.054 U	0.054 U	**0.03 J**	**0.029 J**	**0.041**	**14.8**	**0.21**	**0.21**	**0.17**	**0.17**	**0.18**	**0.18**	**0.08**	**0.18**	2.1 U	**1.4 J**
Trichlorofluoromethane (Freon 11)	NA	NA	**1.34 J**	**1.1**	**1.4**	**1.2 J**	**1.4 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.3 J**	**1.4 J**
Vinyl acetate	880	29,040	0.88 U	3.3 U	0.39 U U	1.4 U	1.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U	1.4 U
Vinyl chloride	2.8	92.4	0.511 U	0.21 U	0.18 U	1 U	1 U	0.026 U	0.026 U	0.026 U	0.02 U	0.028 U	0.0038 U	0.0486 U	0.03 U	0.03 U	0.03 U	0.0014 U	0.03 U	0.03 U	0.03 U	0.0014 U	1 U	1 U

Notes:

$\mu g/m^3$ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
HQ = hazard quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the limit of detection
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (0.03 attenuation factor) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154), USEPA, July 2015
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers
D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

Table 8. SD052-SVI Site Buildings 785 and 786 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through March 2025)

| Sample Location | | | 785OA-1 | | |

Table 8. SD052-SVI Site Buildings 785 and 786 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through March 2025)

Sample Location			786VMP-1								786VMP-2												786VMP-3		
Field Sample Identification	Indoor Air Screening Level * ($\mu g/m^3$)	Sub-slab Vapor Screening Level ** ($\mu g/m^3$)	Not sampled; clogged vapor monitoring point	786-VMP-1_1119	786-VMP-1_1220	Not sampled; location inaccessible	786-VMP-1_1222	786-VMP-1_1123	786-VMP-1_0327	786VMP-2_1216	786VMP-2_0317	786VMP-2_0318	786VMP-2_1118	786VMP-2_0319	786-VMP-2_1119	786-VMP-2_1220	786-VMP-2_011422	786-VMP-2_1222	786-VMP-2_1123	786-VMP-2_0327	786VMP-3_1216	786VMP-3_0317	786VMP-3_0318
Sample Location				Sub-Slab	Sub-Slab		Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab
Sample Type				Normal	Normal		Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Date of Collection			3/25/2019	11/20/2019	12/2/2020	1/14/2022	12/21/2022	11/14/2023	3/28/2025	12/1/2016	3/17/2017	3/21/2018	11/29/2018	3/25/2019	11/20/2019	12/2/2020	1/14/2022	12/21/2022	11/14/2023	3/28/2025	12/1/2016	3/17/2017	3/21/2018
Sample Depth (feet bgs / ags)			NA	2.5	2.5	NA	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1	1	1	1	2.5	2.5	2.5
Sample Collection Duration (hours)			NA	8	8	NA	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
VOCs ($\mu g/m^3$)																							
1,1,1-Trichloroethane	22,000	726,000	NA	3.7 U	2.2 U	NA	0.816 U	**0.15 J**	0.43 U	1.1 U	1.1 U	**9.8**	1.1 U	1.1 U	3.6 U	2.2 U	2.2 U	0.816 U	**0.55 J**	0.43 U	1.1 U	1.1 U	**0.66 J**
1,1,2,2-Tetrachloroethane	0.21	6.93	NA	4.6 U	2.8 U	NA	1.03 U	0.21 U	0.33 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	4.5 U	2.8 U	2.7 U	1.03 U	0.21 U	0.33 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC 113)	22,000	726,000	NA	5.2 U	3.1 U	NA	1.53 U	**0.73**	0.24 U	3.1 U	3.1 U	**3.9 J**	3.1 U	3.1 U	5 U	3.1 U	3.1 U	**0.966 J**	**0.99**	**1**	3.1 U	3.1 U	3.1 U
1,1,2-Trichloroethane	0.77	25.4	NA	3.7 U	2.2 U	NA	1.09 U	0.21 U	0.21 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.6 U	2.2 U	2.2 U	1.09 U	0.21 U	0.21 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	7.7	254.1	NA	2.7 U	1.7 U	NA	0.601 U	0.21 U	0.23 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.6 U	1.6 U	1.6 U	0.601 U	0.21 U	0.23 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	880	29,040	NA	2.7 U	1.6 U	NA	0.793 U	0.21 U	0.23 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.6 U	1.6 U	1.6 U	0.793 U	**0.096 J**	0.23 U	1.6 U	1.6 U	1.6 U
1,2,4-Trichlorobenzene	8.8	290	NA	19 U	13 U	NA	2.29 U	0.39 U	0.89 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	18 U	12 U	4.5 U	2.29 U	0.39 U	0.89 U	8.9 U	8.9 U	8.9 U
1,2,4-Trimethylbenzene	260	8,580	NA	**2.9 J**	**2.8 J**	NA	**0.506 J**	**4**	**6.4**	**4.1**	**5.7**	**3 J**	**1.1 J**	**1.1 J**	**5.3 J**	**1.8 J**	2 U	**0.574 J**	**0.42 J**	0.43 U	**2.2 J**	**4.8**	2 U
1,2-Dibromoethane (EDB)	0.02	0.7	NA	*5.2 U*	*3.2 U*	NA	*1.15 U*	0.21 U	0.23 U	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*5 U*	*3.1 U*	*4.6 U*	*1.15 U*	0.21 U	0.23 U	*1.5 U*	*1.5 U*	*1.5 U*
1,2-Dichlorobenzene	880	29,040	NA	4 U	2.5 U	NA	1.8 U	0.21 U	0.41 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.9 U	2.4 U	2.4 U	1.8 U	0.21 U	0.41 U	2.4 U	2.4 U	2.4 U
1,2-Dichloroethane	0.47	15.5	NA	2.7 U	1.7 U	NA	0.607 U	0.21 U	0.28 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	2.6 U	1.6 U	1.6 U	0.607 U	**0.083 J**	0.28 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	3.3	108.9	NA	3.1 U	1.9 U	NA	0.924 U	0.21 U	0.29 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3 U	1.9 U	1.8 U	0.924 U	0.21 U	0.29 U	3.7 U	3.7 U	3.7 U
1,3,5-Trimethylbenzene	260	8,580	NA	**1.2 J**	**0.94 J**	NA	0.982 U	**1.1**	**2.5**	**1.6 J**	**2 J**	**1.1 J**	2 U	2 U	**1.5 J**	**0.49 J**	2 U	0.982 U	**0.29 J**	0.39 U	**0.75 J**	**1.7 J**	2 U
1,3-Dichlorobenzene	NA	NA	NA	4 U	2.5 U	NA	2.4 U	0.21 U	0.17 U	2.4 U	**2.3 J**	2.4 U	2.4 U	2.4 U	3.9 U	2.4 U	4.2 U	2.4 U	0.21 U	0.17 U	2.4 U	**2.3 J**	2.4 U
1,4-Dichlorobenzene	1.1	36.3	NA	4 U	2.5 U	NA	0.782 U	0.21 U	0.47 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	3.9 U	2.4 U	2.4 U	0.782 U	0.21 U	0.47 U	2.4 U	2.4 U	2.4 U
2-Butanone (MEK)	22,000	726,000	NA	**2.4 J**	**47**	NA	**0.507 J**	**8.8**	**3.8**	**5.4**	**11**	**1.6 J**	**0.8 J**	**8.2**	**3.5 J**	5 U	1.8 U	**0.54 J**	**0.37 J**	**0.97**	**2.9**	**6.1**	**7**
2-Hexanone	130	4,290	NA	10 U	7 U	NA	1.23 U	**0.31 J**	0.61 U	0.82 U	**0.5 J**	0.82 U	0.82 U	**0.5 J**	10 U	6.9 U	2.5 U	1.23 U	0.25 U	0.61 U	0.82 U	0.82 U	**1.6**
4-Ethyltoluene	NA	NA	NA	**3.1 J**	**3 J**	NA	0.982 U	**0.93 J**	**2.1**	**2.4 J**	**2.1 J**	**0.97 J**	**12**	**1.4 J**	**6.4**	**2 J**	2.9 U	**0.49 J**	**0.13 J**	0.47 U	2 U	**1.9 J**	2 U
4-Methyl-2-pentanone (MIBK)	13,000	429,000	NA	2.8 U	**4.7**	NA	0.778 U	**0.45 J**	0.3 U	**0.69 J**	**5.4**	1.6 U	1.6 U	1.6 U	2.7 U	1.6 U	1.6 U	0.778 U	**0.13 J**	0.3 U	1.6 U	**3.1 J**	1.6 U
Acetone	NA	NA	NA	**7.5 J**	**120**	NA	**3.56 J**	**20**	**6.7**	**17**	**45**	**11 J**	**5.7 J**	**28**	**11 J**	**3.3 J**	**4.0**	**4.47 J**	**2.8 J**	**1.6**	**30**	**37**	**21**
Benzene	1.6	52.8	NA	**0.7 J**	**0.54 J**	NA	**0.457 J**	0.66 U	**0.58 J**	**0.57 J**	**2.3**	**0.64 J**	**0.3 J**	**0.49 J**	**0.77 J**	**0.46 J**	1.3 U	**0.476 J**	0.65 U	**0.45 J**	**1.9**	**2.2**	**0.49 J**
Benzyl chloride (alpha - chlorotoluene)	0.25	8.25	NA	3.5 U	2.1 U	NA	0.675 U	0.41 U	0.67 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	3.4 U	2.1 U	2.1 U	0.675 U	0.41 U	0.67 U	2.1 U	2.1 U	2.1 U
Bromodichloromethane	0.33	10.89	NA	4.5 U	2.8 U	NA	1.01 U	0.21 U	0.2 U	1.3 U	1.3 U	**0.49 J**	1.3 U	1.3 U	4.4 U	2.7 U	2.7 U	1.01 U	0.21 U	0.2 U	1.3 U	1.3 U	1.3 U
Bromoform	11	363	NA	6.9 U	4.2 U	NA	3.21 U	0.39 U	0.73 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	6.8 U	4.2 U	4.1 U	3.21 U	0.39 U	0.73 U	2.1 U	2.1 U	2.1 U
Bromomethane	22	726	NA	9.8 U	6.6 U	NA	0.776 U	0.21 U	0.27 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	9.6 U	6.6 U	1.6 U	0.776 U	0.21 U	0.27 U	3.1 U	3.1 U	3.1 U
Butadiene	0.41	NA	NA	1.5 U	0.91 U	NA	1.39 U	0.39 U	0.19 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	1.4 U	0.9 U	0.88 U	1.39 U	0.39 U	0.19 U	0.88 U	0.88 U	0.88 U
Carbon disulfide	3,100	102,300	NA	7.8 U	**13**	NA	**0.532 J**	**3**	0.34 U	1.2 U	1.2 U	**4.2**	1.2 U	**2.1 J**	7.7 U	5.2 U	1.2 U	0.778 U	**0.65 J**	0.34 U	1.2 U	**0.78 J**	**24**
Carbon tetrachloride	2	66	NA	4.2 U	2.6 U	NA	0.945 U	**0.42 J**	0.25 U	1.3 U	1.3 U	2.5 U	2.5 U	2.5 U	4.1 U	2.5 U	2.5 U	0.945 U	**0.34 J**	0.25 U	1.3 U	1.3 U	2.5 U
Chlorobenzene	220	7,260	NA	3.1 U	1.9 U	NA	0.924 U	0.2 U	0.34 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	3 U	1.9 U	1.8 U	0.924 U	0.19 U	0.34 U	0.92 U	0.92 U	0.92 U
Chloroethane	18,000	594,000	NA	6.6 U	4.5 U	NA	0.528 U	0.21 U	0.18 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	6.5 U	4.4 U	1.1 U	0.528 U	0.21 U	0.18 U	2.1 U	2.1 U	2.1 U
Chloroform	0.53	17.49	NA	3.3 U	2 U	NA	0.73 U	**0.33 J**	0.18 U	**0.73 J**	**1.6**	**27**	0.98 U	**1.4 J**	**1.1 J**	2 U	2 U	0.73 U	**1.1**	**0.59 J**	0.98 U	0.98 U	**0.49 J**
Chloromethane	390	12,870	NA	5.2 U	3.5 U	NA	**0.801 J**	**0.41 J**	**0.93**	**0.87 J**	**1.2 J**	**1.7**	**0.56 J**	**1.1 J**	5.1 U	3.5 U	**0.78**	**0.469 J**	0.39 U	**0.47**	**0.57 J**	**1 J**	**0.84 J**
cis-1,2-Dichloroethene	180	5,940	NA	2.7 U	1.6 U	NA	0.793 U	0.21 U	**0.75**	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.6 U	1.6 U	1.6 U	0.793 U	0.21 U	**0.59**	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	NA	NA	NA	3 U	1.9 U	NA	0.681 U	0.39 U	0.28 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3 U	1.8 U	1.8 U	0.681 U	0.39 U	0.28 U	1.8 U	1.8 U	1.8 U
Dibromochloromethane	NA	NA	NA	5.7 U	3.5 U	NA	1.28 U	0.21 U	1 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	5.6 U	3.4 U	3.4 U	1.28 U	0.21 U	1 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane (Freon 12)	440	14,520	NA	**2.6 J**	**2.2 J**	NA	**2.19 J**	**2.5**	**2.1**	**2.3 J**	**3 J**	**2.1 J**	**1.7 J**	**2.6 J**	**2.5 J**	**2.1 J**	**2.2**	**2.2 J**	**2.3**	**2.1**	**2.3 J**	**2.9 J**	**1.5 J**
Ethylbenzene	4.9	161.7	NA	2.9 U	**15**	NA	0.867 U	**0.7**	0.26 U	**14**	**2.5**	**5.5**	**0.73 J**	**4.8**	**11**	**4.3**	**3.4**	**0.767 J**	**0.22 J**	0.26 U	**2**	**2.9**	**0.29 J**
Hexachlorobutadiene	0.56	18.48	NA	*27 U*	18 U	NA	2.67 U	0.38 U	0.66 U	13 U	13 U	13 U	13 U	13 U	*26 U*	18 U	4.3 U	2.67 U	0.38 U	0.66 U	13 U	13 U	13 U
m-Xylene & p-Xylene	880***	NA	NA	**2.3 J**	**66**	NA	**0.863 J**	**2.6**	**0.87**	**72**	**8.2**	**33**	**3.4 J**	**25**	**63**	**20**	**16**	**2.28 J**	**0.65**	0.61 U	**7.9**	**10**	**1.1 J**
Methyl tert-butyl ether	47	1,551	NA	9.1 U	6.2 U	NA	0.468 U	0.2 U	0.29 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	8.9 U	6.1 U	1.4 U	0.468 U	0.19 U	0.29 U	1.4 U	1.4 U	1.4 U
Methylene Chloride	1,200	39,600	NA	8.8 U	5.9 U	NA	**0.385 J**	**0.31 J**	**0.87**	**0.32 J**	**0.54 J**	**0.49 J**	0.69 U	**0.39 J**	8.5 U	5.9 U	1.4 U	**3.54**	**0.3 J**	0.45 U	**0.41 J**	**0.57 J**	**0.42 J**
Naphthalene	0.36	11.88	NA	**2.8 J**	**0.37 J**	NA	3.66 U	**1.3**	0.68 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	**1.2 J**	0.88 U	3.1 U	3.66 U	0.38 U	0.68 U	6.3 U	6.3 U	6.3 U
o-Xylene	440	14,520	NA	**1.6 J**	**20**	NA	0.759 U	**1**	**0.74 J**	**24**	**4**	**11**	**1.1 J**	**7.1**	**19**	**7.8**	**6.5**	**1.19 J**	**0.48 J**	0.33 U	**2.7**	**4.6**	**0.52 J**
Styrene	4,400	145,200	NA	2.9 U	**3.9**	NA	0.851 U	**2.1**	0.23 U	0.85 U	**0.98 J**	0.85 U	0.85 U	0.85 U	2.8 U	**2.4 J**	2.6 U	0.851 U	**0.1 J**	0.23 U	**0.68 J**	0.85 U	0.85 U
Tetrachloroethene	47	1,551	NA	**2 J**	**1.6 J**	NA	1.36 U	**0.29 J**	**1.2**	1.4 U	1.4 U	**2.2 J**	1.4 U	1.4 U	**1.7 J**	2.7 U	0.68 U	1.36 U	0.18 J	**0.63 J**	**2.7**	1.4 U	**3.9**
Toluene	22,000	726,000	NA	**1 J**	**13**	NA	**1.1 J**	**2.4**	**1.1**	**2.3**	**11**	**0.77 J**	**0.51 J**	**0.93 J**	**2.4 J**	**1.1 J**	**1.9**	**1.65 J**	**1.3**	**0.41 J**	**11**	**11**	**0.55 J**
trans-1,2-Dichloroethene	180	5,940	NA	2.7 U	1.6 U	NA	0.594 U	0.21 U	0.27 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.6 U	1.6 U	1.6 U	0.594 U	0.21 U	0.27 U	0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	NA	NA	NA	3 U	1.9 U	NA	0.681 U	0.38 U	0.45 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	3 U	1.8 U	2.7 U	0.681 U	0.38 U	0.45 U	0.91 U	0.91 U	0.91 U
Trichloroethene	3	99	NA	**3.2 J**	2.2 U	NA	0.804 U	**4.9**	**1.6**	**0.88 J**	2.1 U	**200**	**0.81 J**	**6.3**	**5**	**2.6 J**	**2.1**	**4.7**	**15**	**9.1**	2.1 U	2.1 U	**40**
Trichlorofluoromethane (Freon 11)	NA	NA	NA	**1.5 J**	**1.2 J**	NA	**1.31 J**	**1.2**	**1.3**	**1.5 J**	**1.9 J**	**3.2 J**	**1.3 J**	**1.4 J**	**1.6 J**	**1.1 J**	2.2 U	**1.35 J**	**1.1**	**1.2**	**1.3 J**	**1.6 J**	**1.6 J**
Vinyl acetate	880	29,040	NA	8.9 U	6 U	NA	0.88 U	**3.5 J**	**0.7**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	8.7 U	5.9 U	2.1 U	0.88 U	3.3 U	**0.63 J**	1.4 U	1.4 U	1.4 U
Vinyl chloride	2.8	92.4	NA	1.7 U	1 U	NA	0.511 U	0.21 U	0.18 U	1 U	**0.75 J**	1 U	1 U	1 U	1.7 U	1 U	1 U	0.511 U	0.21 U	0.18 U	1 U	1 U	1 U

Notes:

$\mu g/m^3$ = micrograms per cubic meter
ags = above ground surface
bgs = below ground surface
HQ = hazard quotient
NA = Not applicable
OSWER = Office of Solid Waste and Emergency Response
RSL = Regional Screening Level
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound
Bolded results are detections above the limit of detection
Italicized values are non-detect results where the limit of detection exceeds applicable screening criteria with no negative impact on the quality or usability of the data.
* = USEPA Industrial Air RSL, HQ = 1, November 2022
** = 33x USEPA RSL Indoor Air Screening Level (0.03 attenuation factor) (see Section 6.3.5, Page 81, Footnote 134 of OSWER Directive 9200.2-154), USEPA, July 2015
*** = screening level is the summation of m-xylene and p-xylene
Sub-slab
Indoor Air

Data Qualifiers
D - the reported value is from a dilution
J - Estimated: The analyte was positively identified; the quantitation is an estimation
U - Undetected at the Limit of Detection
UB - considered an artifact of blank contamination

Table 8. SD052-SVI Site Buildings 785 and 786 SSVM Performance Monitoring Sub-Slab Vapor, Indoor, Outdoor, and Influent Air Results (December 2016 through March 2025)

| Sample Location | | | 786VMP-3 | | |

APPENDICES

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APPENDIX A
FIELD FORMS

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bhate

INDOOR/OUTDOOR AIR MONITORING FORM

Deployed: 2/4/25 Collected: 2/5/25

SAMPLE ID: 774-IA-1_0225		DATE: 2/4/25	TIME: 15:59 7:59
SAMPLE DEPTH:			
FIELD PERSONNEL:			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP			
CGI			
TYPE OF SAMPLE (indoor/outdoor):			
DURATION OF AIR SAMPLING:			
VOLUME OF AIR SAMPLED:			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: 30			
AFTER SAMPLING: 1			
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
VOCs USED DURING NORMAL OPERATIONS:			

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 26°	HEATING SYSYTEM ACTIVE (Y/N): Y
BAROMETRIC PRESSURE: 29.8	INDOOR AIR TEMPERATURE: 60s
WIND SPEED & DIRECTION: 15mph ESE	WINDOWS CLOSED (Y/N): Y
PRECIPITATION: None	

Canister: M237
Regulator: FC484

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

Deployed: 2/4/25 Collected: 2/5/25

SAMPLE ID: 774-VMP-1_0225		DATE: 2/4/25	TIME: 16:11 08:10
SAMPLE DEPTH: – Sub slab			
FIELD PERSONNEL: Jackson DiTucci			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP	Gillair	11941	
He Detector ~~-CGI~~		223721	
TRACER GAS VERIFIED (Y/N): Y			
TRACER GAS CONC (%): 1,700 PPM through line in bucket: 28%			
SAMPLE PURGE VOLUME: –			
VOLUME OF SOIL VAPOR EXTRACTED: –			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: 29			
AFTER SAMPLING: 0			
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
Nothing			
VOCs USED DURING NORMAL OPERATIONS:			

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 26°	HEATING SYSYTEM ACTIVE (Y/N): Y
BAROMETRIC PRESSURE: 29.8	INDOOR AIR TEMPERATURE: 60s
WIND SPEED & DIRECTION: 15mph ESE	WINDOWS CLOSED (Y/N): Y
PRECIPITATION: None	

Canister: M064
Regulator: FC441

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

Deployed: 2/4/25 Collected 2/5/25

SAMPLE ID: 774-VMP-2_0225	DATE: 2/4/25	TIME: 15:56 8:02
SAMPLE DEPTH: -Sub slab		
FIELD PERSONNEL: Jackson DiCicco / Junaid Dawud		

INSTRUMENTS:	MODEL #	SERIAL #
PUMP	Gillair	11941
~~CGI~~ He Detector		223721

TRACER GAS VERIFIED (Y/N): Y	
TRACER GAS CONC (%): 4,500 PPM through line	in bucket: 28%
SAMPLE PURGE VOLUME: -	
VOLUME OF SOIL VAPOR EXTRACTED: -	
SUMMA CANISTER VACUUM:	
BEFORE SAMPLING: 28.5	
AFTER SAMPLING: 0	
APPARENT MOISTURE CONTENT (dry/moist/saturated):	
Dry	
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):	
Nothing	
VOCs USED DURING NORMAL OPERATIONS:	

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 26°	HEATING SYSYTEM ACTIVE (Y/N): Y
BAROMETRIC PRESSURE: 29.8	INDOOR AIR TEMPERATURE: 60s
WIND SPEED & DIRECTION: 15mph ESE	WINDOWS CLOSED (Y/N): Y
PRECIPITATION: None	

Canister: ~~M237~~ JD A1337

Regulator: ~~FC484~~ JD FC1026

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

deployed: 2/4/25 Collected: 2/5/25

SAMPLE ID: 774-VMP-3_0225	DATE: 2/4/25	TIME: 15:40 07:54
SAMPLE DEPTH: – Sub slab		
FIELD PERSONNEL: Jackson DiGioo/Junaid Dawud		

INSTRUMENTS:	MODEL #	SERIAL #
PUMP	Gillair	11941
He Detector ~~EGI~~		223721

TRACER GAS VERIFIED (Y/N): Y	
TRACER GAS CONC (%): 200 PPM through line	in bucket: 43%
SAMPLE PURGE VOLUME: –	
VOLUME OF SOIL VAPOR EXTRACTED: –	
SUMMA CANISTER VACUUM:	
BEFORE SAMPLING: 28	
AFTER SAMPLING: 0	
APPARENT MOISTURE CONTENT (dry/moist/saturated):	
Dry	
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):	
Nothing	
VOCs USED DURING NORMAL OPERATIONS:	

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 26°	HEATING SYSYTEM ACTIVE (Y/N): Y
BAROMETRIC PRESSURE: 29.8	INDOOR AIR TEMPERATURE: 60s
WIND SPEED & DIRECTION: 15mph ESE	WINDOWS CLOSED (Y/N): Y
PRECIPITATION: None	

Canister: A653

Regulator: FC997

bhate

INDOOR/OUTDOOR AIR MONITORING FORM

Deployed: 2/4/25 Collected: 2/5/25

SAMPLE ID: 776-IA-1_0225		DATE: 2/4/25	TIME: 15:19 09:02
SAMPLE DEPTH:			
FIELD PERSONNEL:			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP			
CGI			
TYPE OF SAMPLE (indoor/outdoor):			
DURATION OF AIR SAMPLING:			
VOLUME OF AIR SAMPLED:			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: 29			
AFTER SAMPLING: 0			
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
VOCs USED DURING NORMAL OPERATIONS:			

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 26°	HEATING SYSYTEM ACTIVE (Y/N): Y
BAROMETRIC PRESSURE: 29.8	INDOOR AIR TEMPERATURE: 60s
WIND SPEED & DIRECTION: 15mph ESE	WINDOWS CLOSED (Y/N): Y
PRECIPITATION: None	

Canister: A1735
Regulator: FC887

bhate

INDOOR/OUTDOOR AIR MONITORING FORM

Deployed: 2/4/25 Collected: 2/5/25

SAMPLE ID: 776-OA-1_0225	DATE: 2/4/25	TIME: 15 35 0816
SAMPLE DEPTH:		
FIELD PERSONNEL: Jackson DiCicco / Jawaid Dawud		

INSTRUMENTS:	MODEL #	SERIAL #
PUMP		
CGI		

TYPE OF SAMPLE (indoor/outdoor):	
DURATION OF AIR SAMPLING:	
VOLUME OF AIR SAMPLED:	
SUMMA CANISTER VACUUM:	
BEFORE SAMPLING:	-3
AFTER SAMPLING:	0
APPARENT MOISTURE CONTENT (dry/moist/saturated):	
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):	
VOCs USED DURING NORMAL OPERATIONS:	

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 26°	HEATING SYSYTEM ACTIVE (Y/N): Y
BAROMETRIC PRESSURE: 29.8	INDOOR AIR TEMPERATURE: 60s
WIND SPEED & DIRECTION: 15mph ESE	WINDOWS CLOSED (Y/N): Y
PRECIPITATION: None	

Canister: A1627
Regulator: FC813

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

Deployed: 2/4/25 Collected: 2/5/25

SAMPLE ID: 776-VMP-1_0225		DATE: 2/4/25	TIME: 14:42 ~~08:34~~
SAMPLE DEPTH: Sub slab			
FIELD PERSONNEL: Jackson DiGicco / Junaid Dawud			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP	Gilair	11941	
~~He~~ Detector ~~CGI~~		223721	
TRACER GAS VERIFIED (Y/N): Y			
TRACER GAS CONC (%): 2,000 PPM through bucket in bucket: 26%			
SAMPLE PURGE VOLUME: —			
VOLUME OF SOIL VAPOR EXTRACTED: —			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: 29			
AFTER SAMPLING: 0			
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
nothing			
VOCs USED DURING NORMAL OPERATIONS:			

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 26°	HEATING SYSYTEM ACTIVE (Y/N): Y
BAROMETRIC PRESSURE: 29.8	INDOOR AIR TEMPERATURE: 60s
WIND SPEED & DIRECTION: 15mph ESE	WINDOWS CLOSED (Y/N): Y
PRECIPITATION: None	

Canister: A333
Regulator: FC998

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

Deployed: 2/4/25 Collected: 2/5/25

SAMPLE ID: 776-VMP-2_0225 & 776-VMP-2_0225-A		DATE: 2/4/25	TIME: 14:59 08:55
SAMPLE DEPTH: — Sub slab			
FIELD PERSONNEL: Jackson DiGicco / Junaid Dawud			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP	Gillair	11941	
He Detector ~~EGI~~		223721	
TRACER GAS VERIFIED (Y/N): Y			
TRACER GAS CONC (%): 1,800 PPM through line		In bucket: 34%	
SAMPLE PURGE VOLUME: —			
VOLUME OF SOIL VAPOR EXTRACTED: —			
SUMMA CANISTER VACUUM:	Primary	Secondary	
BEFORE SAMPLING:	29	29	
AFTER SAMPLING:	0	0	
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
Nothing			
VOCs USED DURING NORMAL OPERATIONS:			

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 26°	HEATING SYSYTEM ACTIVE (Y/N): Y
BAROMETRIC PRESSURE: 29.8	INDOOR AIR TEMPERATURE: 60s
WIND SPEED & DIRECTION: 15 mph ESE	WINDOWS CLOSED (Y/N): Y
PRECIPITATION: None	

Primary Canister: A1631 Secondary Canister: A247
Primary Regulator: FC924 Secondary Regulator: MC082

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

Deployed: 2/4/25 Collected: 2/5/25

SAMPLE ID: 776-VMP-3_0225		DATE: 2/4/25	TIME: 15:16 09:06
SAMPLE DEPTH: - 5ub slab			
FIELD PERSONNEL: Jackson DiCicco / Jarad Dawud			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP	Gillair	11941	
He Detector ~~EGI~~		223721	
TRACER GAS VERIFIED (Y/N): Y			
TRACER GAS CONC (%): 300 PPM through line		in bucket: 37%	
SAMPLE PURGE VOLUME: --			
VOLUME OF SOIL VAPOR EXTRACTED: -			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: 29			
AFTER SAMPLING: 0			
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
Nothing			
VOCs USED DURING NORMAL OPERATIONS:			

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 26°	HEATING SYSYTEM ACTIVE (Y/N): Y
BAROMETRIC PRESSURE: 29.8	INDOOR AIR TEMPERATURE: 60s
WIND SPEED & DIRECTION: 15mph ESE	WINDOWS CLOSED (Y/N): Y
PRECIPITATION: None	

Canister: ~~M237~~ JD M002

Regulator: ~~FC484~~ JD FC1021

-27 FC-1172 / A1577 Dup
-31 FC-1215 / M122

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

SAMPLE ID: 785VMP-2 & dup		DATE: 3.27.25	TIME: 1100 / 1100 Set up
SAMPLE DEPTH:			1030 / 1030 Pick up
FIELD PERSONNEL: Paoli / Smith			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP			
CGI			
TRACER GAS VERIFIED (Y/N): No			
TRACER GAS CONC (%):			
SAMPLE PURGE VOLUME: 6L / 6L			
VOLUME OF SOIL VAPOR EXTRACTED:			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: -31 Primary / -27 Dup			
AFTER SAMPLING: -1 Primary / 0 Dup			
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
VOCs USED DURING NORMAL OPERATIONS:			
Cleaners / Paints			

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: 40	HEATING SYSYTEM ACTIVE (Y/N): Yes
BAROMETRIC PRESSURE: 29.61	INDOOR AIR TEMPERATURE: ~60
WIND SPEED & DIRECTION: 5 NW	WINDOWS CLOSED (Y/N):
PRECIPITATION: —	

A 1467 / FC 1125

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

SAMPLE ID: 785VMP-4	DATE: 3.27.25	TIME: 1045 / 1020
SAMPLE DEPTH:		
FIELD PERSONNEL: Pratt / Smith		
INSTRUMENTS:	MODEL #	SERIAL #
Rae PUMP	Air Ops	T.F-004
GasMet CGI	Dielectric	FA-06037 Ecometal
TRACER GAS VERIFIED (Y/N):		
TRACER GAS CONC (%): 0.0		
SAMPLE PURGE VOLUME: 6L		
VOLUME OF SOIL VAPOR EXTRACTED:		
SUMMA CANISTER VACUUM:		
BEFORE SAMPLING: -31		
AFTER SAMPLING: -1		
APPARENT MOISTURE CONTENT (dry/moist/saturated):		
Dry		
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):		
VOCs USED DURING NORMAL OPERATIONS:		
Cleaners / Paints		

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: ~40	HEATING SYSYTEM ACTIVE (Y/N):
BAROMETRIC PRESSURE: 29.61	INDOOR AIR TEMPERATURE: ~60
WIND SPEED & DIRECTION: 5 NW	WINDOWS CLOSED (Y/N):
PRECIPITATION: —	

FC 1140 1/Summa M400

-29

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

SAMPLE ID: 785VMP-5	DATE: 3 27 25	TIME: 1215 / 1115
SAMPLE DEPTH:		
FIELD PERSONNEL: Pruett / Smith		

INSTRUMENTS:	MODEL #	SERIAL #
PUMP		
CGI		

TRACER GAS VERIFIED (Y/N):	N
TRACER GAS CONC (%):	
SAMPLE PURGE VOLUME:	6 L
VOLUME OF SOIL VAPOR EXTRACTED:	
SUMMA CANISTER VACUUM:	
BEFORE SAMPLING:	-29
AFTER SAMPLING:	0
APPARENT MOISTURE CONTENT (dry/moist/saturated):	Dry
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):	
VOCs USED DURING NORMAL OPERATIONS:	Cleaners / Paints

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: ~40	HEATING SYSYTEM ACTIVE (Y/N):
BAROMETRIC PRESSURE: 29.61	INDOOR AIR TEMPERATURE: ~60
WIND SPEED & DIRECTION: 5 NW	WINDOWS CLOSED (Y/N):
PRECIPITATION: NONE	

FC 1121 / FC 1081

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INDOOR/OUTDOOR AIR MONITORING FORM

SAMPLE ID: 785IA-1-0327		DATE: 3.27.22	TIME: 1020 / 1025
SAMPLE DEPTH: Breathing Zone			
FIELD PERSONNEL: Jake Dabb / Dwayne Smith			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP	NA		
CGI			
TYPE OF SAMPLE (indoor/outdoor): Indoor			
DURATION OF AIR SAMPLING: 8 hr			
VOLUME OF AIR SAMPLED: 6 L			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: ~29			
AFTER SAMPLING: ~ 1			
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
VOCs USED DURING NORMAL OPERATIONS:			
WEATHER CONDITIONS:		VENTILATION CONDITIONS:	
OUTDOOR TEMPERATURE: ~40		HEATING SYSYTEM ACTIVE (Y/N): Y	
BAROMETRIC PRESSURE: 29.61		INDOOR AIR TEMPERATURE: 65	
WIND SPEED & DIRECTION: 5 NW		WINDOWS CLOSED (Y/N): Y	
PRECIPITATION: ———			

A1579 / 1FC109,
Cov Rev

bhate

INDOOR/OUTDOOR AIR MONITORING FORM

SAMPLE ID: 785IA-2		DATE: 3.27	TIME: 1035 / 1035
SAMPLE DEPTH: Breathing Zone			
FIELD PERSONNEL: J. Penn / D. Smith			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP	NA		
CGI			
TYPE OF SAMPLE (indoor/outdoor): Indoor			
DURATION OF AIR SAMPLING: 8 hr			
VOLUME OF AIR SAMPLED:			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: -29			
AFTER SAMPLING: 0			
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
VOCs USED DURING NORMAL OPERATIONS:			
WEATHER CONDITIONS:		VENTILATION CONDITIONS:	
OUTDOOR TEMPERATURE: 40		HEATING SYSYTEM ACTIVE (Y/N):	
BAROMETRIC PRESSURE: 29.61		INDOOR AIR TEMPERATURE: ~65	
WIND SPEED & DIRECTION: 5 NW		WINDOWS CLOSED (Y/N):	
PRECIPITATION: —			

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

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

Preparer's Name Jackson DiCicco Date/Time Prepared 2/10/25

Preparer's Affiliation Bhate Environmental Associates Phone No. [redacted]

Purpose of Investigation SVI Monitoring - SD052-02-SVI

1. OCCUPANT:

Interviewed: Y /(N)

Last Name: Hall First Name: Linda

Address: Building 774

County: Oneida

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location Unknown Age of Occupants Adults

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

Interviewed: Y /(N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) BAE Systems

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

Other characteristics:

Number of floors 1 Building age Unknown

Is the building insulated? (Y) / N How air tight? (Tight) / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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

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

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

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

SVI through slab or between slab sections

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

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

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: NA

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other Roof
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

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

All visible portions of the air ducts appeared to be well maintained.

7. OCCUPANCY

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

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

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

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

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

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? Unknown

g. Is there smoking in the building? Y / (N) How frequently?_____

h. Have cleaning products been used recently? Y / N When & Type? Unknown

i. Have cosmetic products been used recently? (Y) / N When & Type? Women's Restroom

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

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? (N) / (N) When & Type? _____

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

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? Outside/Roof

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

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

Are there odors in the building? Y / (N)
If yes, please describe: _____

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

11. FLOOR PLANS

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

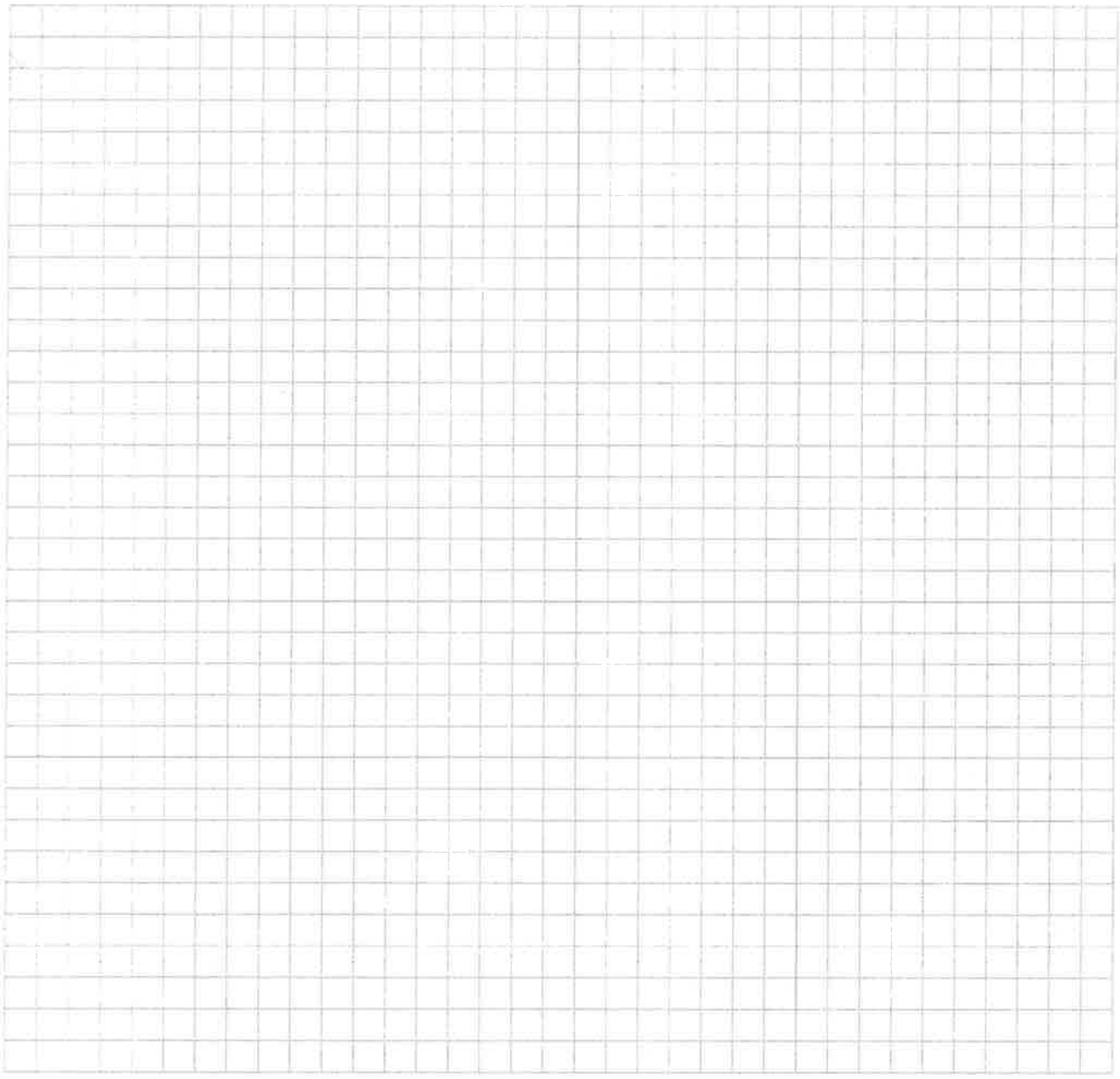
Basement:

First Floor:

12. OUTDOOR PLOT

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

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



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: NA

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Cleaning Closet	Poo-Pouri		U			Y
Cleaning Closet	Speedex Degreaser		U			
Cleaning Closet	Rest Stop Virucidal		U			
Cleaning Closet	Ax-It baseboard stripper		U			
Cleaning Closet	Stoko handwash		U			
Cleaning Closet	Estesol handwash		U			
Cleaning Closet	Champion Stainless Steel cleaner		U			
Cleaning Closet	Bayer home pest killer		U			
Cleaning Closet	Ace wasp killer		U			
Cleaning Closet	Spectracide wasp killer		U			
Cleaning Closet	OFF! bug spray		U			
Cleaning Closet	Swish floor finish		U			
Cleaning Closet	Drano Max Gel		U			
Cleaning Closet	Hot Shot ant bait		UO			
Cleaning Closet	Quat-Stat 5 disinfectant		U			
Cleaning Closet	Daily Scrub SC floor cleaner		U			
Cleaning Closet	pH7 Ultra floor cleaner		U			
Cleaning Closet	Windex		U			

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

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

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

Preparer's Name Jackson DiLuco Date/Time Prepared 2/10/25

Preparer's Affiliation Bhate Phone No. _____

Purpose of Investigation SVI Monitoring - SD052-02-SVI

1. OCCUPANT:

Interviewed: Y /(N)

Last Name: _____ First Name: _____

Address: Building 776

County: Oneida

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

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

Interviewed: Y /(N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

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

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

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) Arcfield - Engineering Services

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

Other characteristics:

Number of floors 1 Building age Unknown

Is the building insulated? (Y) / N How air tight? (Tight) / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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

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

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

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

SVI through slab or between slab sections.

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

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

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: NA

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

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? (Y) / N

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

All visible portions of the air ducts appeared to be well maintained.

7. OCCUPANCY

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

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

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

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

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

d. Has the building ever had a fire? Y / (N) When? _____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where? _____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? Y / (N) When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? Unknown

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? (Y) / N When & Type? _____

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

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

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

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

Are there odors in the building? Y / (N)
If yes, please describe: _____

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

11. FLOOR PLANS

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

Basement:

First Floor:

12. OUTDOOR PLOT

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

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

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: NA

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Cleaning Closet	Mrs. Meyer's cleaning spray		U			
Cleaning Closet	The Reliable 1 cleaning spray		U			
Cleaning Closet	Windex		U			
Cleaning Closet	Clorox Wipes		U			
Cleaning Closet	Mr. Clean multi surface cleaner		U			
Cleaning Closet	Mr. Clean floor cleaner		U			
Cleaning Closet	Virex II 256 disinfectant		U			
Cleaning Closet	Softsoap hand cleaner		U			
Cleaning Closet	Star spray glass cleaner		U			
Cleaning Closet	Diversey toilet cleaner		U			

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

OSR – 3

785

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

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

3/27/2025

Preparer's Name Jake Pratt Date/Time Prepared 1400-1500

Preparer's Affiliation Bhate/FPM Phone No. _____

Purpose of Investigation SVI Monitoring - SD052-01-SVI

1. OCCUPANT:

Last Name: _____ **First Name:** ___ **Interviewed: Y** ☐ **N**

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

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

Interviewed: Y ☐ **N** ☑

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Check appropriate response)

☐ Residential	☐ School	☑ Commercial/Multi-use
☑ Industrial	☐ Church	☐ Other: Aircraft Hangar

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Private Aircraft & Storage Hangar

Does it include residences (i.e., multi-use)? Y ☐ N ☑ If yes, how many? _____

Other characteristics:

Number of floors 1 Building age UNK

Is the building insulated? Y ☑ N ☑ How air tight? Tight ☐ Average ☑ Not Tight ☑

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Hangar Doors are not air tight

Infiltration into air ducts

Office AC is inside the hangar on the roof of the office area.

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

a. Above grade construction: ☐ wood frame ☐ concrete ☐ stone ☐ brick

b. Basement type: ☐ full ☐ crawlspace ☐ slab ☐ other _____

c. Basement floor: ☐ concrete ☐ dirt ☐ stone ☐ other _____

d. Basement floor: ☐ uncovered ☐ covered ☐ covered with _____

e. Concrete floor: ☐ unsealed ☑ sealed ☐ sealed with _____

f. Foundation walls: ☐ poured ☑ block ☐ stone other _____

g. Foundation walls: ☐ unsealed ☑ sealed ☐ sealed with _____

h. The basement is: ☐ wet ☐ damp ☐ dry ☐ moldy

i. The basement is: ☐ finished ☐ unfinished ☐ partially finished

j. Sump present? Y☐ N☐

k. Water in sump? Y☐ N☐ not applicable ☐

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

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

SVI through slab or between slabs

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

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

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

The primary type of fuel used is:

☐ Natural Gas
☐ Electric
☐ Wood
☐ Fuel Oil
☐ Propane
☐ Coal
☐ Kerosene
☐ Solar

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: ☐ Basement ☐ Outdoors ☐ Main Floor ☑ Other_____

Air conditioning: ☐ Central Air ☐ Window uni ☐ Open Windows ☑ None

Are there air distribution ducts present? Y [✔] N [ ]

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

Offices have their own AC and heating, although they draw & exhaust to the hangar.

Hangar has forced air heating units on the ceilings and large rotating fans.

Offices are insulated hanger is not.

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	Hangar and offices
2nd Floor	N/A
3rd Floor	N/A
4th Floor	N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y [✔] N [ ]

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

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y [✔] N [ ] NA [ ]
Please specify Firetruck, vehicles, etc.

d. Has the building ever had a fire? Y [ ] N [ ] When? UNK

e. Is a kerosene or unvented gas space heater present? Y [ ] N [ ] Where? UNK

f. Is there a workshop or hobby/craft area? Y [✔] N [ ] Where & Type Paint&Maint

g. Is there smoking in the building? Y [ ] N [✔] How frequently? _____

h. Have cleaning products been used recently? Y [✔] N [ ] When & Type? Regularly

i. Have cosmetic products been used recently? Y [ ] N [✔] When & Type? _____

j. Has painting/staining been done in the last 6 months? Y☑ N☐ Where & When? Regular painting

k. Is there new carpet, drapes or other textiles? Y☐ N☑ Where & When? _____

l. Have air fresheners been used recently? Y☐ N☐ When & Type? UNK

m. Is there a kitchen exhaust fan? Y☐ N☑ If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y☐ N☑ If yes, where vented? _____

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

p. Has there been a pesticide application? Y☐ N☐ When & Type? UNK

Are there odors in the building? Y☑ N☐
If yes, please describe: It smells lightly of being a shop area.

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

If yes, what types of solvents are used? Clean, paint, maintenance, etc.

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

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

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

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

9. WATER AND SEWAGE

Water Supply: ☑Public Water ☐Drilled Well ☐Driven Well ☐Dug Well ☐Other: _____

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

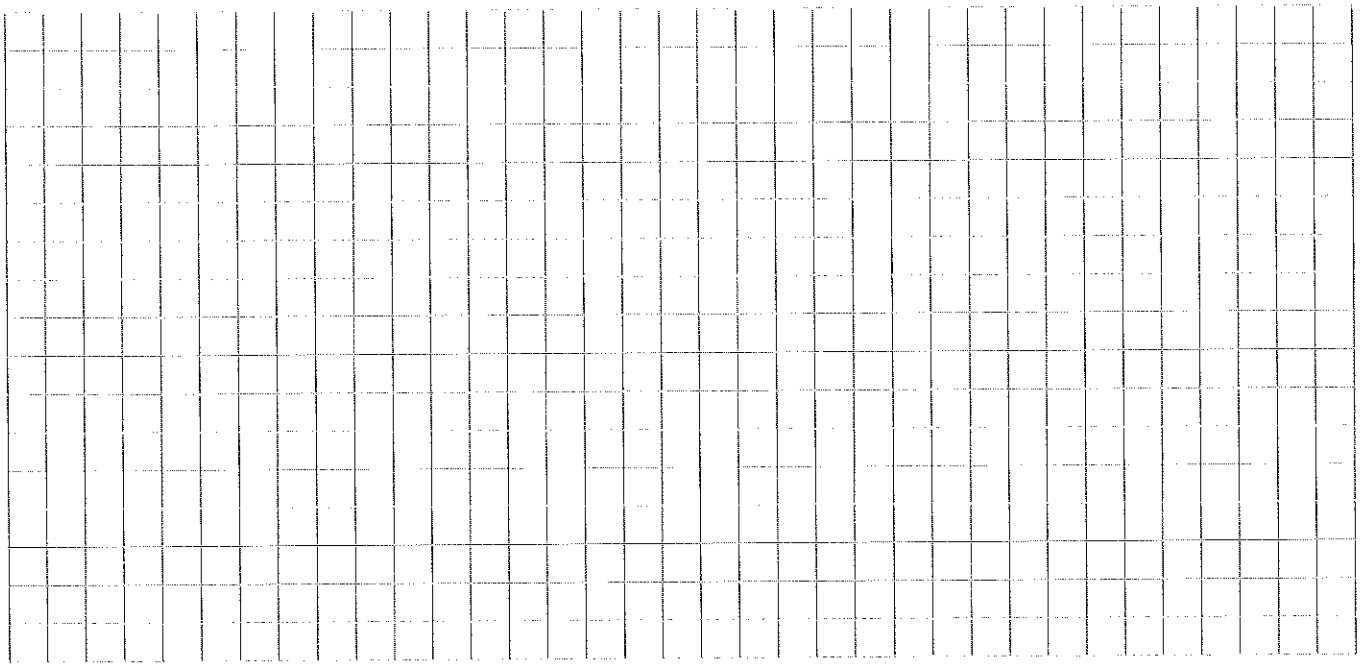
c. Responsibility for costs associated with reimbursement explained? Y☐ N☐

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

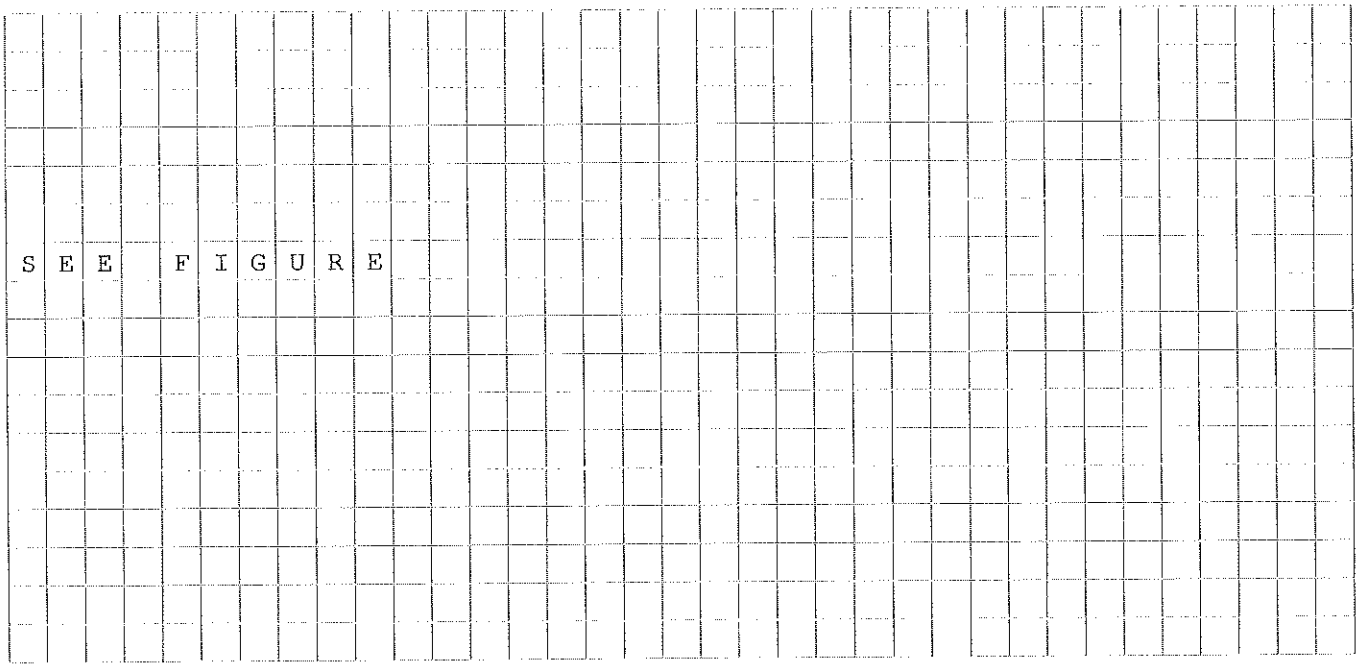
11. FLOOR PLANS

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

Basement:



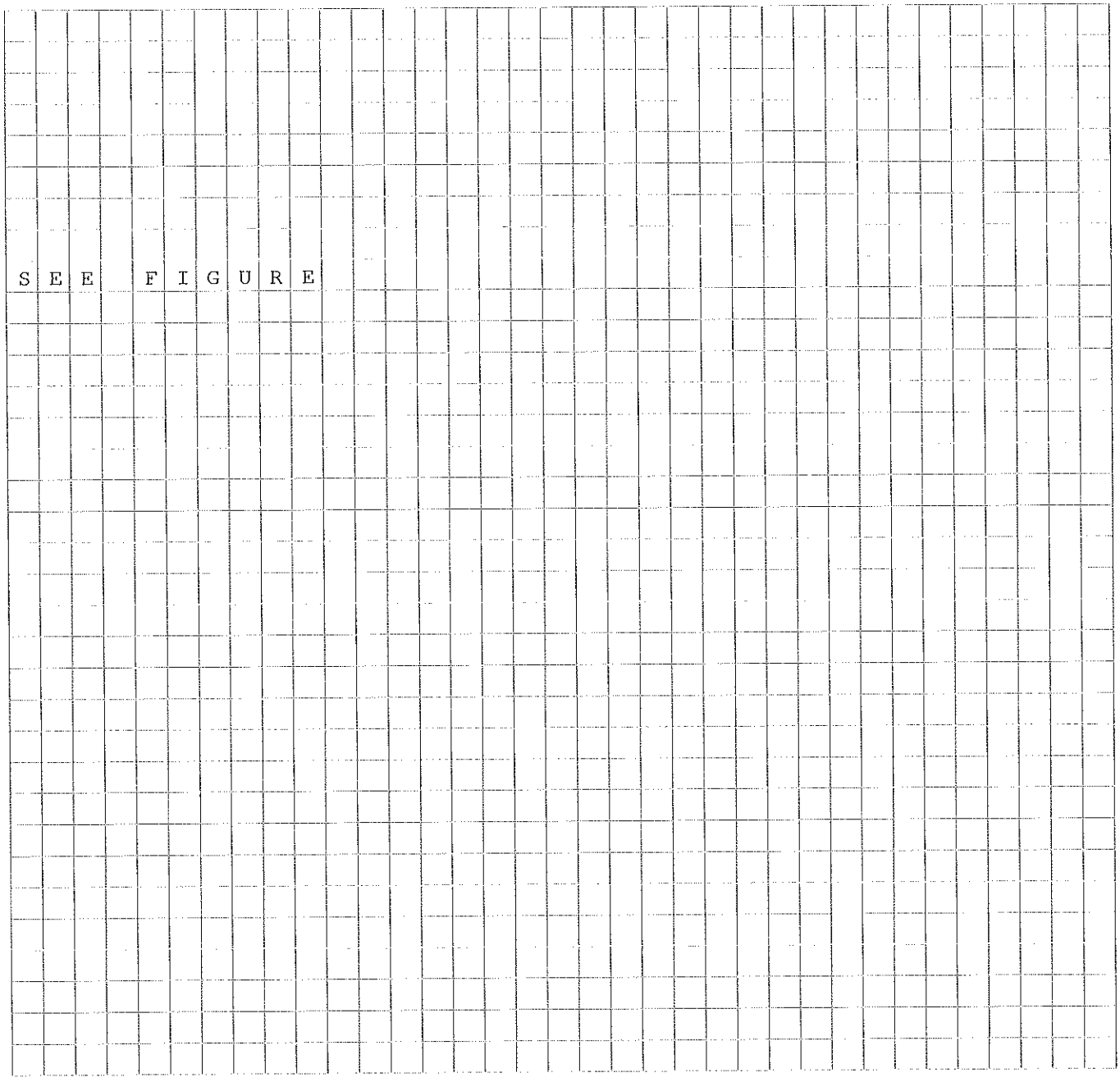
First Floor:



12. OUTDOOR PLOT

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

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



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: N/A

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

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

PC379/A1597
-28.5

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

SAMPLE ID:	786VMP-2-0327	DATE: 3.27.25	TIME: 1215 1125
SAMPLE DEPTH:			
FIELD PERSONNEL:	Pratt / Smith		
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP	Air One	TI - 004	
CGI	Dielectric	FA-06037	Fee earl
TRACER GAS VERIFIED (Y/N):			
TRACER GAS CONC (%):	0.0		
SAMPLE PURGE VOLUME:			
VOLUME OF SOIL VAPOR EXTRACTED:	6L		
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING:	-28.5		
AFTER SAMPLING:	- /		
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
VOCs USED DURING NORMAL OPERATIONS:			
Solvents / oils / Cleaners			
WEATHER CONDITIONS:		VENTILATION CONDITIONS:	
OUTDOOR TEMPERATURE:	~40	HEATING SYSYTEM ACTIVE (Y/N):	
BAROMETRIC PRESSURE:	29.61	INDOOR AIR TEMPERATURE:	~60
WIND SPEED & DIRECTION:	5 NW	WINDOWS CLOSED (Y/N):	
PRECIPITATION:	—		

-31hg 1166/A1591

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

SAMPLE ID: 786VMP-1-0327		DATE: 3.27.25	TIME: 1330/1135
SAMPLE DEPTH:			
FIELD PERSONNEL: Pruitt / Smith			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP			
CGI			
TRACER GAS VERIFIED (Y/N):			
TRACER GAS CONC (%): —			
SAMPLE PURGE VOLUME: Calt			
VOLUME OF SOIL VAPOR EXTRACTED:			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: -31			
AFTER SAMPLING: -1			
APPARENT MOISTURE CONTENT (dry/moist/saturated): Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
VOCs USED DURING NORMAL OPERATIONS: Solvents / Oils / Cleaners			
WEATHER CONDITIONS:		VENTILATION CONDITIONS:	
OUTDOOR TEMPERATURE: ~70		HEATING SYSYTEM ACTIVE (Y/N):	
BAROMETRIC PRESSURE: 29.61		INDOOR AIR TEMPERATURE: ~60	
WIND SPEED & DIRECTION: 5 NW		WINDOWS CLOSED (Y/N):	
PRECIPITATION: —			

IC 752 / A1590

bhate

SUB-SLAB VAPOR PROBE MONITORING FORM

SAMPLE ID: 786VMP-3-0327	DATE: 3.27.25	TIME: 1340/1440
SAMPLE DEPTH: 8'		
FIELD PERSONNEL: Pruitt / Smith		

INSTRUMENTS:	MODEL #	SERIAL #
PUMP		
CGI		

TRACER GAS VERIFIED (Y/N):	N
TRACER GAS CONC (%):	NA
SAMPLE PURGE VOLUME:	
VOLUME OF SOIL VAPOR EXTRACTED:	6 Lt
SUMMA CANISTER VACUUM:	
BEFORE SAMPLING:	-30
AFTER SAMPLING:	0
APPARENT MOISTURE CONTENT (dry/moist/saturated):	Dry
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):	
VOCs USED DURING NORMAL OPERATIONS:	Solvents / Oils / Cleaners

WEATHER CONDITIONS:	VENTILATION CONDITIONS:
OUTDOOR TEMPERATURE: ~40	HEATING SYSYTEM ACTIVE (Y/N):
BAROMETRIC PRESSURE: 29.61	INDOOR AIR TEMPERATURE: ~60
WIND SPEED & DIRECTION: 5 NW	WINDOWS CLOSED (Y/N):
PRECIPITATION: —	

FCB03 / A1291

bhate

INDOOR/OUTDOOR AIR MONITORING FORM

SAMPLE ID: 786IA-1		DATE: 3.27.25	TIME: 1225 / 1130
SAMPLE DEPTH: Breathing Zone			
FIELD PERSONNEL: Pratt / Smith			
INSTRUMENTS:	MODEL #	SERIAL #	
PUMP			
CGI			
TYPE OF SAMPLE (indoor/outdoor):			
DURATION OF AIR SAMPLING:			
VOLUME OF AIR SAMPLED:			
SUMMA CANISTER VACUUM:			
BEFORE SAMPLING: -30			
AFTER SAMPLING: 0			
APPARENT MOISTURE CONTENT (dry/moist/saturated):			
Dry			
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):			
VOCs USED DURING NORMAL OPERATIONS:			
Solvents / Oils / Cleaners			
WEATHER CONDITIONS:		VENTILATION CONDITIONS:	
OUTDOOR TEMPERATURE:		HEATING SYSYTEM ACTIVE (Y/N):	
BAROMETRIC PRESSURE:		INDOOR AIR TEMPERATURE:	
WIND SPEED & DIRECTION:		WINDOWS CLOSED (Y/N):	
PRECIPITATION:			

FC1281 / A1657

bhate

INDOOR/OUTDOOR AIR MONITORING FORM

SAMPLE ID: 7850A-1-0327	DATE: 3-27-22	TIME: 1200 / 1120
SAMPLE DEPTH: Breathing Zone		
FIELD PERSONNEL: Pruett / Smith		

INSTRUMENTS:	MODEL #	SERIAL #
PUMP		
CGI		

TYPE OF SAMPLE (indoor/outdoor):	
DURATION OF AIR SAMPLING:	
VOLUME OF AIR SAMPLED:	
SUMMA CANISTER VACUUM:	
BEFORE SAMPLING:	-30
AFTER SAMPLING:	-4
APPARENT MOISTURE CONTENT (dry/moist/saturated):	30%
COMMENTS/OBSERVATIONS (odor, spills, floor stains, other instrument readings):	outdoor by school
VOCs USED DURING NORMAL OPERATIONS:	Solvents / Oils / Cleaners

WEATHER CONDITIONS:		VENTILATION CONDITIONS:	
OUTDOOR TEMPERATURE:	~40	HEATING SYSYTEM ACTIVE (Y/N):	N/A
BAROMETRIC PRESSURE:	29.61	INDOOR AIR TEMPERATURE:	
WIND SPEED & DIRECTION:	5 NW	WINDOWS CLOSED (Y/N):	
PRECIPITATION:	—		

OSR – 3

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

786

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

Preparer's Name Jake Pratt Date/Time Prepared 3/27/2025 1300-1400

Preparer's Affiliation Bhate/FPM Phone No. _____

Purpose of Investigation SVI Monitoring - SD052-01-SVI

1. OCCUPANT:

Interviewed: Y ☐ **N** ☑

Last Name: _____ First Name: _____

Address: Building 786 Bomber Drive, Rome NY 13441

County: Oneida

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

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

Interviewed: Y ☐ **N** ☑

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Check appropriate response)

☐ Residential ☐ School ☑ Commercial/Multi-use
☑ Industrial ☐ Church ☐ Other: Aircraft Hangar

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Medical Aircraft transport

Does it include residences (i.e., multi-use)? Y☐ N☑ If yes, how many? _____

Other characteristics:

Number of floors 1 Building age UNK

Is the building insulated? Y☑ N☑ How air tight? Tight☐ Average☑ Not Tight☑

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Hangar Doors are not air tight

Infiltration into air ducts

Office AC is inside the hangar on the roof of the office area.

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

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

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

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

SVI through slab or between slabs

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

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

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

The primary type of fuel used is:

☐ Natural Gas	☐ Fuel Oil	☐ Kerosene
☐ Electric	☐ Propane	☐ Solar
☐ Wood	☐ Coal	

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: ☐ Basement ☐ Outdoors ☐ Main Floor ☑ Other _____

Air conditioning: ☐ Central Air ☐ Window uni ☐ Open Windows ☑ None

Are there air distribution ducts present? Y [✓] N [ ]

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

Offices have their own AC and heating, although they draw & exhaust to the hangar.

Hangar has forced air heating units on the ceilings and large rotating fans.

Offices are insulated hanger is not.

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	Hangar and offices
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y [✓] N [ ]

b. Does the garage have a separate heating unit? Y [✓] N [ ] NA [ ]

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y [✓] N [ ] NA [ ]
Please specify Aircraft / planes

d. Has the building ever had a fire? Y [ ] N [ ] When? Unknown

e. Is a kerosene or unvented gas space heater present? Y [ ] N [✓] Where? _____

f. Is there a workshop or hobby/craft area? Y [✓] N [ ] Where & Type Aircraft Workshop

g. Is there smoking in the building? Y [ ] N [✓] How frequently? _____

h. Have cleaning products been used recently? Y [✓] N [ ] When & Type? Regularly & Many

i. Have cosmetic products been used recently? Y [ ] N [✓] When & Type? _____

j. Has painting/staining been done in the last 6 months? Y[✓] N[ ] Where & When? Regularly

k. Is there new carpet, drapes or other textiles? Y[ ] N[✓] Where & When? _____

l. Have air fresheners been used recently? Y[ ] N[✓] When & Type? _____

m. Is there a kitchen exhaust fan? Y[ ] N[ ] If yes, where vented? UNK

n. Is there a bathroom exhaust fan? Y[ ] N[ ] If yes, where vented? UNK

o. Is there a clothes dryer? Y[ ] N[✓] If yes, is it vented outside? Y[ ]N[ ]

p. Has there been a pesticide application? Y[ ] N[ ] When & Type? UNK

Are there odors in the building? Y[✓] N[ ]
If yes, please describe: It smells like you'd expect an aircraft hangar with maintenance and such to smell.

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

If yes, what types of solvents are used? Paint related, aircraft mechanic & maintenance supplies.

If yes, are their clothes washed at work? Y[ ] N[✓]

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

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

Is there a radon mitigation system for the building/structure? Y[ ] N[ ]
Date of Installation: ? if installed
Is the system active or passive? Active[ ] Passive[ ]

9. WATER AND SEWAGE

Water Supply: [✓]Public Water [ ]Drilled Well [ ]Driven Well [ ]Dug Well [ ]Other: _____

Sewage Disposal: [✓]Public Sewer [ ]Septic Tank [ ]Leach Field [ ]Dry Well [ ]Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

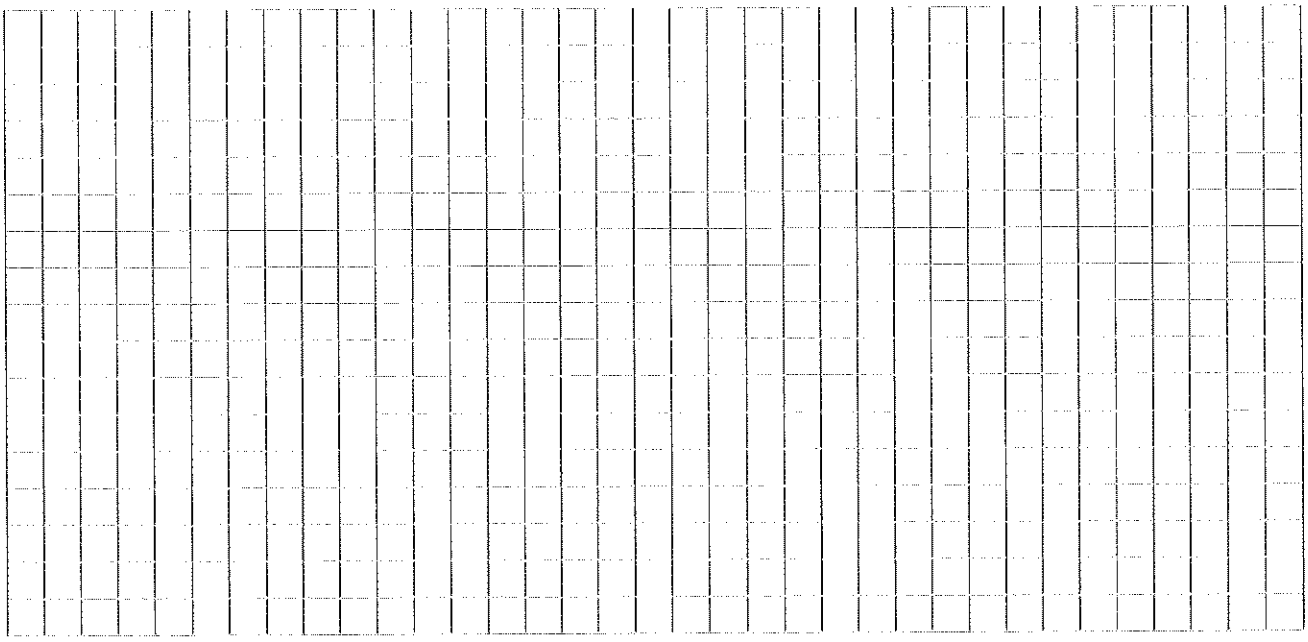
c. Responsibility for costs associated with reimbursement explained? Y[ ] N[ ]

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

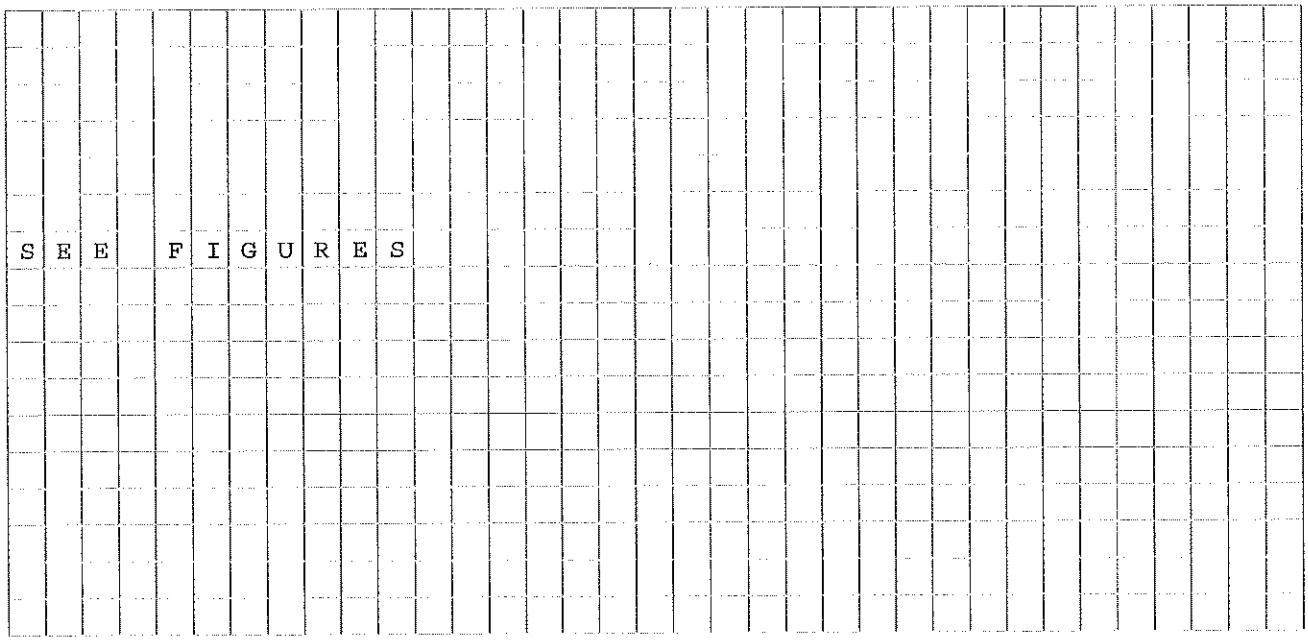
11. FLOOR PLANS

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

Basement:



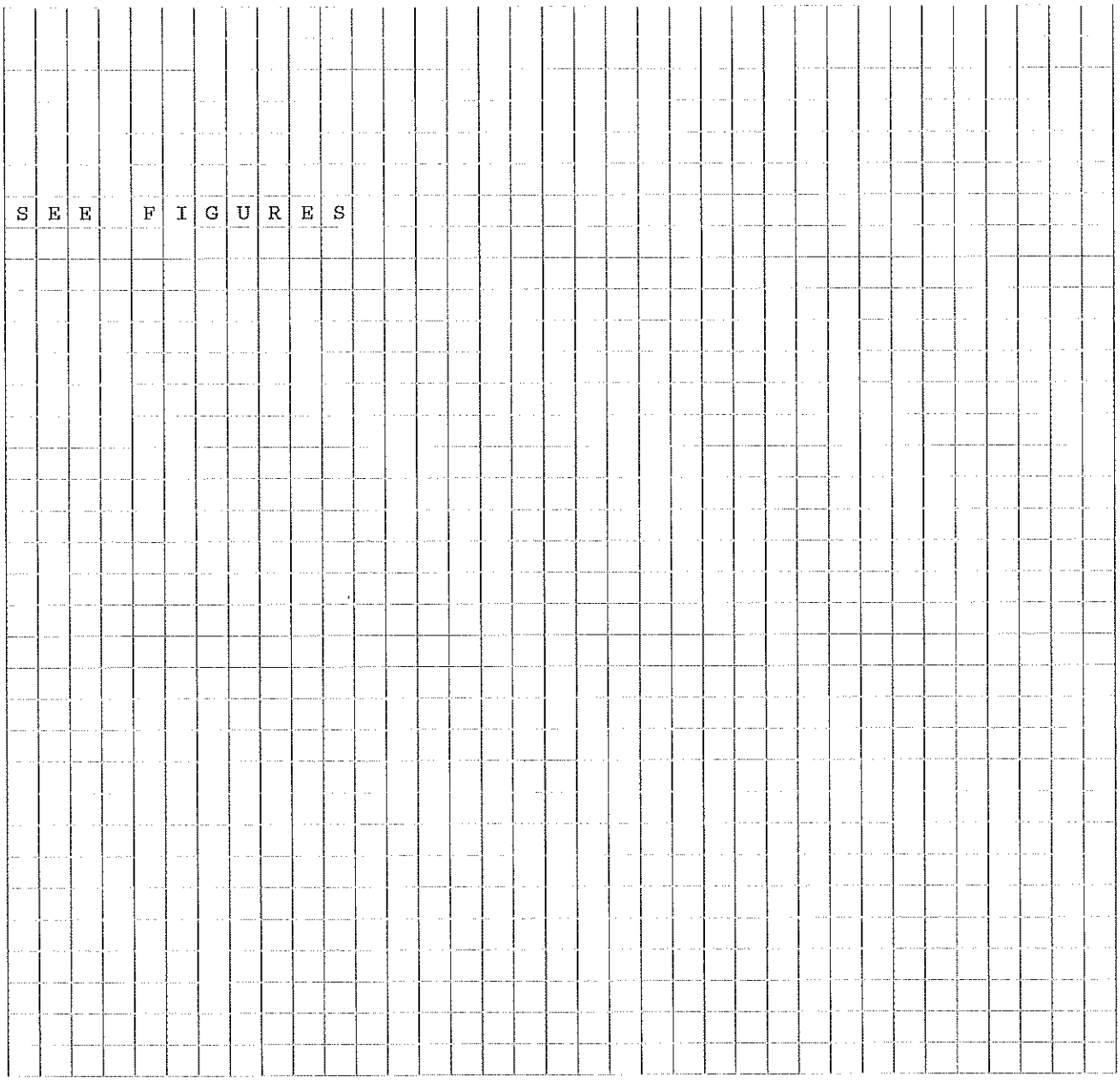
First Floor:



12. OUTDOOR PLOT

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

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



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: N/A

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

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

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APPENDIX B
LABORATORY DATA PACKAGES

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Bhate Environmental Associates, Inc.

BECOS Former Griffiss AFB, Rome, NY

SGS Job Number: JE5344

Sampling Date: 02/05/25

Report to:

Bhate Environmental Associates, Inc.
445 Union Blvd Suite 129
Lakewood, CO 80228
molive@bhate.com

ATTN: Marcia Olive

Total number of pages in report: 797

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

Olga Azarian
Technical Director

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

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EHS.US.CustomerCare@sgs.com

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SGS North America Inc.

Sample Summary

Bhate Environmental Associates, Inc.

Job No: JE5344

BECOS Former Griffiss AFB, Rome, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE5344-1	02/05/25	08:34	JD	02/07/25	AIR	Soil Vapor Comp.	776-VMP-1_0225
JE5344-2	02/05/25	08:55	JD	02/07/25	AIR	Soil Vapor Comp.	776-VMP-2_0225
JE5344-3	02/05/25	08:55	JD	02/07/25	AIR	Soil Vapor Comp.	776-VMP-2_0225-A
JE5344-4	02/05/25	09:05	JD	02/07/25	AIR	Soil Vapor Comp.	776-VMP-3_0225
JE5344-5	02/05/25	09:02	JD	02/07/25	AIR	Indoor Air Comp.	776-IA_1_0225
JE5344-6	02/05/25	08:16	JD	02/07/25	AIR	Ambient Air Comp.	776-OA-1_0225
JE5344-7	02/05/25	08:10	JD	02/07/25	AIR	Soil Vapor Comp.	774-VMP-1_0225
JE5344-8	02/05/25	08:02	JD	02/07/25	AIR	Soil Vapor Comp.	774-VMP-2_0225
JE5344-9	02/05/25	07:54	JD	02/07/25	AIR	Soil Vapor Comp.	774-VMP-3_0225
JE5344-10	02/05/25	07:59	JD	02/07/25	AIR	Indoor Air Comp.	774-IA-1_0225

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Bhate Environmental Associates, Inc.	**Job No:**	JE5344
Site:	BECOS Former Griffiss AFB, Rome, NY	**Report Date**	2/25/2025 2:49:43 PM

On 02/07/2025, 10 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) unless noted below. An SGS Job Number of JE5344 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

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

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V7W457

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE5794-8DUP were used as the QC samples indicated.

MS Volatiles By Method TO-15 (BY SIM)

Matrix: AIR **Batch ID:** V6W1450

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE5461-4DUP were used as the QC samples indicated.

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

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

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

Summary of Hits

Job Number: JE5344
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 02/05/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
JE5344-1	**776-VMP-1_0225**					
Acetone (2-Propanone)		5.8	0.80	0.58 [a]	ppbv	TO-15
Chloromethane		0.38 J	0.80	0.36 [a]	ppbv	TO-15
Methyl ethyl ketone		0.47 J	0.80	0.44 [a]	ppbv	TO-15
Acetone (2-Propanone)		14	1.9	1.4 [a]	ug/m3	TO-15
Chloromethane		0.78 J	1.7	0.74 [a]	ug/m3	TO-15
Methyl ethyl ketone		1.4 J	2.4	1.3 [a]	ug/m3	TO-15
JE5344-2	**776-VMP-2_0225**					
Acetone (2-Propanone)		11.9	0.80	0.58 [a]	ppbv	TO-15
Chloromethane		0.60 J	0.80	0.36 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.48 J	0.80	0.42 [a]	ppbv	TO-15
Methyl ethyl ketone		0.63 J	0.80	0.44 [a]	ppbv	TO-15
Trichloroethylene		0.20	0.16	0.076 [a]	ppbv	TO-15
Acetone (2-Propanone)		28.3	1.9	1.4 [a]	ug/m3	TO-15
Chloromethane		1.2 J	1.7	0.74 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.4 J	4.0	2.1 [a]	ug/m3	TO-15
Methyl ethyl ketone		1.9 J	2.4	1.3 [a]	ug/m3	TO-15
Trichloroethylene		1.1	0.86	0.41 [a]	ug/m3	TO-15
JE5344-3	**776-VMP-2_0225-A**					
Acetone (2-Propanone)		7.6	0.80	0.58 [a]	ppbv	TO-15
Chloromethane		0.67 J	0.80	0.36 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.42 J	0.80	0.42 [a]	ppbv	TO-15
Methyl ethyl ketone		0.61 J	0.80	0.44 [a]	ppbv	TO-15
Acetone (2-Propanone)		18	1.9	1.4 [a]	ug/m3	TO-15
Chloromethane		1.4 J	1.7	0.74 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.1 J	4.0	2.1 [a]	ug/m3	TO-15
Methyl ethyl ketone		1.8 J	2.4	1.3 [a]	ug/m3	TO-15
JE5344-4	**776-VMP-3_0225**					
Acetone (2-Propanone)		3.0	0.80	0.58 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.72 J	0.80	0.42 [a]	ppbv	TO-15
Trichloroethylene		0.40	0.16	0.076 [a]	ppbv	TO-15
Acetone (2-Propanone)		7.1	1.9	1.4 [a]	ug/m3	TO-15
Dichlorodifluoromethane		3.6 J	4.0	2.1 [a]	ug/m3	TO-15
Trichloroethylene		2.1	0.86	0.41 [a]	ug/m3	TO-15
JE5344-5	**776-IA_1_0225**					
Benzene		0.14	0.010	0.0037 [a]	ppbv	TO-15 (BY SIM)

Summary of Hits

Job Number: JE5344
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 02/05/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Carbon tetrachloride		0.11	0.0050	0.0016 [a]	ppbv	TO-15 (BY SIM)
Methylene chloride		0.47	0.10	0.0064 [a]	ppbv	TO-15 (BY SIM)
1,1,1-Trichloroethane		0.0048 J	0.0050	0.00090 [a]	ppbv	TO-15 (BY SIM)
Tetrachloroethylene		0.0062	0.0050	0.0012 [a]	ppbv	TO-15 (BY SIM)
Trichloroethylene		0.023	0.0050	0.00095 [a]	ppbv	TO-15 (BY SIM)
Benzene		0.45	0.032	0.012 [a]	ug/m3	TO-15 (BY SIM)
Carbon tetrachloride		0.69	0.031	0.010 [a]	ug/m3	TO-15 (BY SIM)
Methylene chloride		1.6	0.35	0.022 [a]	ug/m3	TO-15 (BY SIM)
1,1,1-Trichloroethane		0.026 J	0.027	0.0049 [a]	ug/m3	TO-15 (BY SIM)
Tetrachloroethylene		0.042	0.034	0.0081 [a]	ug/m3	TO-15 (BY SIM)
Trichloroethylene		0.12	0.027	0.0051 [a]	ug/m3	TO-15 (BY SIM)
JE5344-6	**776-OA-1_0225**					
Acetone (2-Propanone)		1.3	0.80	0.58 [a]	ppbv	TO-15
Chloromethane		0.57 J	0.80	0.36 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.43 J	0.80	0.42 [a]	ppbv	TO-15
Acetone (2-Propanone)		3.1	1.9	1.4 [a]	ug/m3	TO-15
Chloromethane		1.2 J	1.7	0.74 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.1 J	4.0	2.1 [a]	ug/m3	TO-15
JE5344-7	**774-VMP-1_0225**					
Acetone (2-Propanone)		5.6	0.80	0.58 [a]	ppbv	TO-15
Chloroform		0.53 J	0.80	0.15 [a]	ppbv	TO-15
cis-1,2-Dichloroethylene		0.41	0.16	0.12 [a]	ppbv	TO-15
Freon 113		0.52	0.40	0.12 [a]	ppbv	TO-15
Methyl ethyl ketone		0.55 J	0.80	0.44 [a]	ppbv	TO-15
1,1,1-Trichloroethane		4.0	0.40	0.31 [a]	ppbv	TO-15
Trichloroethylene		9.0	0.16	0.076 [a]	ppbv	TO-15
Trichlorofluoromethane		2.2	0.40	0.62 [a]	ppbv	TO-15
Acetone (2-Propanone)		13	1.9	1.4 [a]	ug/m3	TO-15
Chloroform		2.6 J	3.9	0.73 [a]	ug/m3	TO-15
cis-1,2-Dichloroethylene		1.6	0.63	0.48 [a]	ug/m3	TO-15
Freon 113		4.0	3.1	0.92 [a]	ug/m3	TO-15
Methyl ethyl ketone		1.6 J	2.4	1.3 [a]	ug/m3	TO-15
1,1,1-Trichloroethane		22	2.2	1.7 [a]	ug/m3	TO-15
Trichloroethylene		48	0.86	0.41 [a]	ug/m3	TO-15
Trichlorofluoromethane		12	2.2	3.5 [a]	ug/m3	TO-15
JE5344-8	**774-VMP-2_0225**					
Acetone (2-Propanone)		34.0	0.80	0.58 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.43 J	0.80	0.42 [a]	ppbv	TO-15
Methyl ethyl ketone		7.9	0.80	0.44 [a]	ppbv	TO-15

Summary of Hits

Job Number: JE5344
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 02/05/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
1,1,1-Trichloroethane		1.9	0.40	0.31 [a]	ppbv	TO-15
Toluene		0.44 J	0.80	0.23 [a]	ppbv	TO-15
Trichloroethylene		10.6	0.16	0.076 [a]	ppbv	TO-15
Trichlorofluoromethane		24.7	0.40	0.62 [a]	ppbv	TO-15
Acetone (2-Propanone)		80.8	1.9	1.4 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.1 J	4.0	2.1 [a]	ug/m3	TO-15
Methyl ethyl ketone		23	2.4	1.3 [a]	ug/m3	TO-15
1,1,1-Trichloroethane		10	2.2	1.7 [a]	ug/m3	TO-15
Toluene		1.7 J	3.0	0.87 [a]	ug/m3	TO-15
Trichloroethylene		57.0	0.86	0.41 [a]	ug/m3	TO-15
Trichlorofluoromethane		139	2.2	3.5 [a]	ug/m3	TO-15
JE5344-9	**774-VMP-3_0225**					
Acetone (2-Propanone)		4.9	0.80	0.58 [a]	ppbv	TO-15
Benzene		0.39 J	0.80	0.19 [a]	ppbv	TO-15
Chloroform		0.61 J	0.80	0.15 [a]	ppbv	TO-15
Chloromethane		0.48 J	0.80	0.36 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.44 J	0.80	0.42 [a]	ppbv	TO-15
Methylene chloride		1.1	0.80	0.53 [a]	ppbv	TO-15
Methyl ethyl ketone		0.62 J	0.80	0.44 [a]	ppbv	TO-15
1,1,1-Trichloroethane		0.47	0.40	0.31 [a]	ppbv	TO-15
Toluene		0.46 J	0.80	0.23 [a]	ppbv	TO-15
Trichloroethylene		5.9	0.16	0.076 [a]	ppbv	TO-15
Trichlorofluoromethane		63.9	0.40	0.62 [a]	ppbv	TO-15
Acetone (2-Propanone)		12	1.9	1.4 [a]	ug/m3	TO-15
Benzene		1.2 J	2.6	0.61 [a]	ug/m3	TO-15
Chloroform		3.0 J	3.9	0.73 [a]	ug/m3	TO-15
Chloromethane		0.99 J	1.7	0.74 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.2 J	4.0	2.1 [a]	ug/m3	TO-15
Methylene chloride		3.8	2.8	1.8 [a]	ug/m3	TO-15
Methyl ethyl ketone		1.8 J	2.4	1.3 [a]	ug/m3	TO-15
1,1,1-Trichloroethane		2.6	2.2	1.7 [a]	ug/m3	TO-15
Toluene		1.7 J	3.0	0.87 [a]	ug/m3	TO-15
Trichloroethylene		32	0.86	0.41 [a]	ug/m3	TO-15
Trichlorofluoromethane		359	2.2	3.5 [a]	ug/m3	TO-15
JE5344-10	**774-IA-1_0225**					
Benzene		0.14	0.010	0.0037 [a]	ppbv	TO-15 (BY SIM)
Carbon tetrachloride		0.11	0.0050	0.0016 [a]	ppbv	TO-15 (BY SIM)
Methylene chloride		0.25	0.10	0.0064 [a]	ppbv	TO-15 (BY SIM)
1,1,1-Trichloroethane		0.0044 J	0.0050	0.00090 [a]	ppbv	TO-15 (BY SIM)
Tetrachloroethylene		0.0074	0.0050	0.0012 [a]	ppbv	TO-15 (BY SIM)
Trichloroethylene		0.030	0.0050	0.00095 [a]	ppbv	TO-15 (BY SIM)

Summary of Hits

Job Number: JE5344
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 02/05/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Benzene		0.45	0.032	0.012 [a]	ug/m3	TO-15 (BY SIM)
Carbon tetrachloride		0.69	0.031	0.010 [a]	ug/m3	TO-15 (BY SIM)
Methylene chloride		0.87	0.35	0.022 [a]	ug/m3	TO-15 (BY SIM)
1,1,1-Trichloroethane		0.024 J	0.027	0.0049 [a]	ug/m3	TO-15 (BY SIM)
Tetrachloroethylene		0.050	0.034	0.0081 [a]	ug/m3	TO-15 (BY SIM)
Trichloroethylene		0.16	0.027	0.0051 [a]	ug/m3	TO-15 (BY SIM)

(a) Value reported is laboratory DL (MDL).

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	776-VMP-1_0225		
Lab Sample ID:	JE5344-1	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A333	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W12961.D	1	02/24/25 10:14	BK	n/a	n/a	V7W457
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	5.8	0.80	0.58 [a]	0.58	ppbv		14	1.9	1.4 [a]	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	0.34 U	0.80	0.34 [a]	0.34	ppbv		0.75 U	1.8	0.75 [a]	0.75	ug/m3
71-43-2	78.11	Benzene	0.19 U	0.80	0.19 [a]	0.19	ppbv		0.61 U	2.6	0.61 [a]	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.80 U	2.7	0.80 [a]	0.80	ug/m3
75-25-2	252.8	Bromoform	0.28 U	0.16	0.28 [a]	0.28	ppbv		2.9 U	1.7	2.9 [a]	2.9	ug/m3
74-83-9	94.94	Bromomethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.1	1.1 [a]	1.1	ug/m3
100-44-7	126	Benzyl Chloride	0.50 U	0.80	0.50 [a]	0.50	ppbv		2.6 U	4.1	2.6 [a]	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.18 U	0.80	0.18 [a]	0.18	ppbv		0.56 U	2.5	0.56 [a]	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	0.30 U	0.80	0.30 [a]	0.30	ppbv		1.4 U	3.7	1.4 [a]	1.4	ug/m3
75-00-3	64.52	Chloroethane	0.27 U	0.80	0.27 [a]	0.27	ppbv		0.71 U	2.1	0.71 [a]	0.71	ug/m3
67-66-3	119.4	Chloroform	0.15 U	0.80	0.15 [a]	0.15	ppbv		0.73 U	3.9	0.73 [a]	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.38	0.80	0.36 [a]	0.36	ppbv	J	0.78	1.7	0.74 [a]	0.74	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16 U	0.16	0.16 [a]	0.16	ppbv		1.0 U	1.0	1.0 [a]	1.0	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.93 U	3.2	0.93 [a]	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.24 U	0.16	0.24 [a]	0.24	ppbv		0.95 U	0.63	0.95 [a]	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.2	1.1 [a]	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.2 U	3.7	1.2 [a]	1.2	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42 U	0.80	0.42 [a]	0.42	ppbv		2.1 U	4.0	2.1 [a]	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	0.21 U	0.40	0.21 [a]	0.21	ppbv		1.8 U	3.4	1.8 [a]	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.11 U	0.80	0.11 [a]	0.11	ppbv		0.44 U	3.2	0.44 [a]	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.12 U	0.16	0.12 [a]	0.12	ppbv		0.48 U	0.63	0.48 [a]	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.1 U	3.6	1.1 [a]	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.53 U	0.40	0.53 [a]	0.53	ppbv		3.2 U	2.4	3.2 [a]	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	0.28 U	0.16	0.28 [a]	0.28	ppbv		1.7 U	0.96	1.7 [a]	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	0.32 U	0.40	0.32 [a]	0.32	ppbv		1.9 U	2.4	1.9 [a]	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.40 U	0.80	0.40 [a]	0.40	ppbv		1.8 U	3.6	1.8 [a]	1.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.24 U	0.80	0.24 [a]	0.24	ppbv		1.0 U	3.5	1.0 [a]	1.0	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.38 U	0.80	0.38 [a]	0.38	ppbv		1.9 U	3.9	1.9 [a]	1.9	ug/m3
76-13-1	187.4	Freon 113	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
87-68-3	260.8	Hexachlorobutadiene	0.25 U	0.36	0.25 [a]	0.25	ppbv		2.7 U	3.8	2.7 [a]	2.7	ug/m3
591-78-6	100	2-Hexanone	0.58 U	0.80	0.58 [a]	0.58	ppbv		2.4 U	3.3	2.4 [a]	2.4	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	776-VMP-1_0225		
Lab Sample ID:	JE5344-1	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A333	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.53 U	0.80	0.53 [a]	0.53	ppbv		1.8 U	2.8	1.8 [a]	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.47	0.80	0.44 [a]	0.44	ppbv	J	1.4	2.4	1.3 [a]	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29 U	0.80	0.29 [a]	0.29	ppbv		1.2 U	3.3	1.2 [a]	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.2 U	2.9	1.2 [a]	1.2	ug/m3
91-20-3	128.17	Naphthalene	0.51 U	0.80	0.51 [a]	0.51	ppbv		2.7 U	4.2	2.7 [a]	2.7	ug/m3
100-42-5	104.1	Styrene	0.21 U	0.80	0.21 [a]	0.21	ppbv		0.89 U	3.4	0.89 [a]	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.31 U	0.40	0.31 [a]	0.31	ppbv		1.7 U	2.2	1.7 [a]	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.19 U	0.40	0.19 [a]	0.19	ppbv		1.3 U	2.7	1.3 [a]	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.15 U	0.40	0.15 [a]	0.15	ppbv		0.82 U	2.2	0.82 [a]	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.48 U	0.40	0.48 [a]	0.48	ppbv		3.6 U	3.0	3.6 [a]	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.35 U	0.80	0.35 [a]	0.35	ppbv		1.7 U	3.9	1.7 [a]	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.6 U	3.9	1.6 [a]	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.056 U	0.16	0.056 [a]	0.056	ppbv		0.38 U	1.1	0.38 [a]	0.38	ug/m3
108-88-3	92.14	Toluene	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.87 U	3.0	0.87 [a]	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	0.076 U	0.16	0.076 [a]	0.076	ppbv		0.41 U	0.86	0.41 [a]	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.62 U	0.40	0.62 [a]	0.62	ppbv		3.5 U	2.2	3.5 [a]	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	0.28 U	0.16	0.28 [a]	0.28	ppbv		0.72 U	0.41	0.72 [a]	0.72	ug/m3
108-05-4	86	Vinyl Acetate	0.45 U	0.80	0.45 [a]	0.45	ppbv		1.6 U	2.8	1.6 [a]	1.6	ug/m3
	106.2	m,p-Xylene	0.56 U	0.80	0.56 [a]	0.56	ppbv		2.4 U	3.5	2.4 [a]	2.4	ug/m3
95-47-6	106.2	o-Xylene	0.31 U	0.80	0.31 [a]	0.31	ppbv		1.3 U	3.5	1.3 [a]	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	776-VMP-2_0225		
Lab Sample ID:	JE5344-2	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1631	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W12962.D	1	02/24/25 10:53	BK	n/a	n/a	V7W457
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	11.9	0.80	0.58 [a]	0.58	ppbv		28.3	1.9	1.4 [a]	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	0.34 U	0.80	0.34 [a]	0.34	ppbv		0.75 U	1.8	0.75 [a]	0.75	ug/m3
71-43-2	78.11	Benzene	0.19 U	0.80	0.19 [a]	0.19	ppbv		0.61 U	2.6	0.61 [a]	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.80 U	2.7	0.80 [a]	0.80	ug/m3
75-25-2	252.8	Bromoform	0.28 U	0.16	0.28 [a]	0.28	ppbv		2.9 U	1.7	2.9 [a]	2.9	ug/m3
74-83-9	94.94	Bromomethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.1	1.1 [a]	1.1	ug/m3
100-44-7	126	Benzyl Chloride	0.50 U	0.80	0.50 [a]	0.50	ppbv		2.6 U	4.1	2.6 [a]	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.18 U	0.80	0.18 [a]	0.18	ppbv		0.56 U	2.5	0.56 [a]	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	0.30 U	0.80	0.30 [a]	0.30	ppbv		1.4 U	3.7	1.4 [a]	1.4	ug/m3
75-00-3	64.52	Chloroethane	0.27 U	0.80	0.27 [a]	0.27	ppbv		0.71 U	2.1	0.71 [a]	0.71	ug/m3
67-66-3	119.4	Chloroform	0.15 U	0.80	0.15 [a]	0.15	ppbv		0.73 U	3.9	0.73 [a]	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.60	0.80	0.36 [a]	0.36	ppbv	J	1.2	1.7	0.74 [a]	0.74	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16 U	0.16	0.16 [a]	0.16	ppbv		1.0 U	1.0	1.0 [a]	1.0	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.93 U	3.2	0.93 [a]	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.24 U	0.16	0.24 [a]	0.24	ppbv		0.95 U	0.63	0.95 [a]	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.2	1.1 [a]	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.2 U	3.7	1.2 [a]	1.2	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.80	0.42 [a]	0.42	ppbv	J	2.4	4.0	2.1 [a]	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	0.21 U	0.40	0.21 [a]	0.21	ppbv		1.8 U	3.4	1.8 [a]	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.11 U	0.80	0.11 [a]	0.11	ppbv		0.44 U	3.2	0.44 [a]	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.12 U	0.16	0.12 [a]	0.12	ppbv		0.48 U	0.63	0.48 [a]	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.1 U	3.6	1.1 [a]	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.53 U	0.40	0.53 [a]	0.53	ppbv		3.2 U	2.4	3.2 [a]	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	0.28 U	0.16	0.28 [a]	0.28	ppbv		1.7 U	0.96	1.7 [a]	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	0.32 U	0.40	0.32 [a]	0.32	ppbv		1.9 U	2.4	1.9 [a]	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.40 U	0.80	0.40 [a]	0.40	ppbv		1.8 U	3.6	1.8 [a]	1.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.24 U	0.80	0.24 [a]	0.24	ppbv		1.0 U	3.5	1.0 [a]	1.0	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.38 U	0.80	0.38 [a]	0.38	ppbv		1.9 U	3.9	1.9 [a]	1.9	ug/m3
76-13-1	187.4	Freon 113	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
87-68-3	260.8	Hexachlorobutadiene	0.25 U	0.36	0.25 [a]	0.25	ppbv		2.7 U	3.8	2.7 [a]	2.7	ug/m3
591-78-6	100	2-Hexanone	0.58 U	0.80	0.58 [a]	0.58	ppbv		2.4 U	3.3	2.4 [a]	2.4	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	776-VMP-2_0225		
Lab Sample ID:	JE5344-2	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1631	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.53 U	0.80	0.53 [a]	0.53	ppbv		1.8 U	2.8	1.8 [a]	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.63	0.80	0.44 [a]	0.44	ppbv	J	1.9	2.4	1.3 [a]	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29 U	0.80	0.29 [a]	0.29	ppbv		1.2 U	3.3	1.2 [a]	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.2 U	2.9	1.2 [a]	1.2	ug/m3
91-20-3	128.17	Naphthalene	0.51 U	0.80	0.51 [a]	0.51	ppbv		2.7 U	4.2	2.7 [a]	2.7	ug/m3
100-42-5	104.1	Styrene	0.21 U	0.80	0.21 [a]	0.21	ppbv		0.89 U	3.4	0.89 [a]	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.31 U	0.40	0.31 [a]	0.31	ppbv		1.7 U	2.2	1.7 [a]	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.19 U	0.40	0.19 [a]	0.19	ppbv		1.3 U	2.7	1.3 [a]	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.15 U	0.40	0.15 [a]	0.15	ppbv		0.82 U	2.2	0.82 [a]	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.48 U	0.40	0.48 [a]	0.48	ppbv		3.6 U	3.0	3.6 [a]	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.35 U	0.80	0.35 [a]	0.35	ppbv		1.7 U	3.9	1.7 [a]	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.6 U	3.9	1.6 [a]	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.056 U	0.16	0.056 [a]	0.056	ppbv		0.38 U	1.1	0.38 [a]	0.38	ug/m3
108-88-3	92.14	Toluene	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.87 U	3.0	0.87 [a]	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	0.20	0.16	0.076 [a]	0.076	ppbv		1.1	0.86	0.41 [a]	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.62 U	0.40	0.62 [a]	0.62	ppbv		3.5 U	2.2	3.5 [a]	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	0.28 U	0.16	0.28 [a]	0.28	ppbv		0.72 U	0.41	0.72 [a]	0.72	ug/m3
108-05-4	86	Vinyl Acetate	0.45 U	0.80	0.45 [a]	0.45	ppbv		1.6 U	2.8	1.6 [a]	1.6	ug/m3
	106.2	m,p-Xylene	0.56 U	0.80	0.56 [a]	0.56	ppbv		2.4 U	3.5	2.4 [a]	2.4	ug/m3
95-47-6	106.2	o-Xylene	0.31 U	0.80	0.31 [a]	0.31	ppbv		1.3 U	3.5	1.3 [a]	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	776-VMP-2_0225-A		
Lab Sample ID:	JE5344-3	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A247	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W12963.D	1	02/24/25 11:32	BK	n/a	n/a	V7W457
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	7.6	0.80	0.58 [a]	0.58	ppbv		18	1.9	1.4 [a]	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	0.34 U	0.80	0.34 [a]	0.34	ppbv		0.75 U	1.8	0.75 [a]	0.75	ug/m3
71-43-2	78.11	Benzene	0.19 U	0.80	0.19 [a]	0.19	ppbv		0.61 U	2.6	0.61 [a]	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.80 U	2.7	0.80 [a]	0.80	ug/m3
75-25-2	252.8	Bromoform	0.28 U	0.16	0.28 [a]	0.28	ppbv		2.9 U	1.7	2.9 [a]	2.9	ug/m3
74-83-9	94.94	Bromomethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.1	1.1 [a]	1.1	ug/m3
100-44-7	126	Benzyl Chloride	0.50 U	0.80	0.50 [a]	0.50	ppbv		2.6 U	4.1	2.6 [a]	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.18 U	0.80	0.18 [a]	0.18	ppbv		0.56 U	2.5	0.56 [a]	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	0.30 U	0.80	0.30 [a]	0.30	ppbv		1.4 U	3.7	1.4 [a]	1.4	ug/m3
75-00-3	64.52	Chloroethane	0.27 U	0.80	0.27 [a]	0.27	ppbv		0.71 U	2.1	0.71 [a]	0.71	ug/m3
67-66-3	119.4	Chloroform	0.15 U	0.80	0.15 [a]	0.15	ppbv		0.73 U	3.9	0.73 [a]	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.67	0.80	0.36 [a]	0.36	ppbv	J	1.4	1.7	0.74 [a]	0.74	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16 U	0.16	0.16 [a]	0.16	ppbv		1.0 U	1.0	1.0 [a]	1.0	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.93 U	3.2	0.93 [a]	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.24 U	0.16	0.24 [a]	0.24	ppbv		0.95 U	0.63	0.95 [a]	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.2	1.1 [a]	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.2 U	3.7	1.2 [a]	1.2	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.80	0.42 [a]	0.42	ppbv	J	2.1	4.0	2.1 [a]	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	0.21 U	0.40	0.21 [a]	0.21	ppbv		1.8 U	3.4	1.8 [a]	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.11 U	0.80	0.11 [a]	0.11	ppbv		0.44 U	3.2	0.44 [a]	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.12 U	0.16	0.12 [a]	0.12	ppbv		0.48 U	0.63	0.48 [a]	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.1 U	3.6	1.1 [a]	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.53 U	0.40	0.53 [a]	0.53	ppbv		3.2 U	2.4	3.2 [a]	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	0.28 U	0.16	0.28 [a]	0.28	ppbv		1.7 U	0.96	1.7 [a]	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	0.32 U	0.40	0.32 [a]	0.32	ppbv		1.9 U	2.4	1.9 [a]	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.40 U	0.80	0.40 [a]	0.40	ppbv		1.8 U	3.6	1.8 [a]	1.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.24 U	0.80	0.24 [a]	0.24	ppbv		1.0 U	3.5	1.0 [a]	1.0	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.38 U	0.80	0.38 [a]	0.38	ppbv		1.9 U	3.9	1.9 [a]	1.9	ug/m3
76-13-1	187.4	Freon 113	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
87-68-3	260.8	Hexachlorobutadiene	0.25 U	0.36	0.25 [a]	0.25	ppbv		2.7 U	3.8	2.7 [a]	2.7	ug/m3
591-78-6	100	2-Hexanone	0.58 U	0.80	0.58 [a]	0.58	ppbv		2.4 U	3.3	2.4 [a]	2.4	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	776-VMP-2_0225-A		
Lab Sample ID:	JE5344-3	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A247	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.53 U	0.80	0.53 [a]	0.53	ppbv		1.8 U	2.8	1.8 [a]	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.61	0.80	0.44 [a]	0.44	ppbv	J	1.8	2.4	1.3 [a]	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29 U	0.80	0.29 [a]	0.29	ppbv		1.2 U	3.3	1.2 [a]	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.2 U	2.9	1.2 [a]	1.2	ug/m3
91-20-3	128.17	Naphthalene	0.51 U	0.80	0.51 [a]	0.51	ppbv		2.7 U	4.2	2.7 [a]	2.7	ug/m3
100-42-5	104.1	Styrene	0.21 U	0.80	0.21 [a]	0.21	ppbv		0.89 U	3.4	0.89 [a]	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.31 U	0.40	0.31 [a]	0.31	ppbv		1.7 U	2.2	1.7 [a]	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.19 U	0.40	0.19 [a]	0.19	ppbv		1.3 U	2.7	1.3 [a]	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.15 U	0.40	0.15 [a]	0.15	ppbv		0.82 U	2.2	0.82 [a]	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.48 U	0.40	0.48 [a]	0.48	ppbv		3.6 U	3.0	3.6 [a]	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.35 U	0.80	0.35 [a]	0.35	ppbv		1.7 U	3.9	1.7 [a]	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.6 U	3.9	1.6 [a]	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.056 U	0.16	0.056 [a]	0.056	ppbv		0.38 U	1.1	0.38 [a]	0.38	ug/m3
108-88-3	92.14	Toluene	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.87 U	3.0	0.87 [a]	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	0.076 U	0.16	0.076 [a]	0.076	ppbv		0.41 U	0.86	0.41 [a]	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.62 U	0.40	0.62 [a]	0.62	ppbv		3.5 U	2.2	3.5 [a]	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	0.28 U	0.16	0.28 [a]	0.28	ppbv		0.72 U	0.41	0.72 [a]	0.72	ug/m3
108-05-4	86	Vinyl Acetate	0.45 U	0.80	0.45 [a]	0.45	ppbv		1.6 U	2.8	1.6 [a]	1.6	ug/m3
	106.2	m,p-Xylene	0.56 U	0.80	0.56 [a]	0.56	ppbv		2.4 U	3.5	2.4 [a]	2.4	ug/m3
95-47-6	106.2	o-Xylene	0.31 U	0.80	0.31 [a]	0.31	ppbv		1.3 U	3.5	1.3 [a]	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 776-VMP-3_0225
Lab Sample ID: JE5344-4 **Date Sampled:** 02/05/25
Matrix: AIR - Soil Vapor Comp. Summa ID: M002 **Date Received:** 02/07/25
Method: TO-15 **Percent Solids:** n/a
Project: BECOS Former Griffiss AFB, Rome, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W12964.D	1	02/24/25 12:10	BK	n/a	n/a	V7W457
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	3.0	0.80	0.58 [a]	0.58	ppbv		7.1	1.9	1.4 [a]	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	0.34 U	0.80	0.34 [a]	0.34	ppbv		0.75 U	1.8	0.75 [a]	0.75	ug/m3
71-43-2	78.11	Benzene	0.19 U	0.80	0.19 [a]	0.19	ppbv		0.61 U	2.6	0.61 [a]	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.80 U	2.7	0.80 [a]	0.80	ug/m3
75-25-2	252.8	Bromoform	0.28 U	0.16	0.28 [a]	0.28	ppbv		2.9 U	1.7	2.9 [a]	2.9	ug/m3
74-83-9	94.94	Bromomethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.1	1.1 [a]	1.1	ug/m3
100-44-7	126	Benzyl Chloride	0.50 U	0.80	0.50 [a]	0.50	ppbv		2.6 U	4.1	2.6 [a]	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.18 U	0.80	0.18 [a]	0.18	ppbv		0.56 U	2.5	0.56 [a]	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	0.30 U	0.80	0.30 [a]	0.30	ppbv		1.4 U	3.7	1.4 [a]	1.4	ug/m3
75-00-3	64.52	Chloroethane	0.27 U	0.80	0.27 [a]	0.27	ppbv		0.71 U	2.1	0.71 [a]	0.71	ug/m3
67-66-3	119.4	Chloroform	0.15 U	0.80	0.15 [a]	0.15	ppbv		0.73 U	3.9	0.73 [a]	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.36 U	0.80	0.36 [a]	0.36	ppbv		0.74 U	1.7	0.74 [a]	0.74	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16 U	0.16	0.16 [a]	0.16	ppbv		1.0 U	1.0	1.0 [a]	1.0	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.93 U	3.2	0.93 [a]	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.24 U	0.16	0.24 [a]	0.24	ppbv		0.95 U	0.63	0.95 [a]	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.2	1.1 [a]	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.2 U	3.7	1.2 [a]	1.2	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.72	0.80	0.42 [a]	0.42	ppbv	J	3.6	4.0	2.1 [a]	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	0.21 U	0.40	0.21 [a]	0.21	ppbv		1.8 U	3.4	1.8 [a]	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.11 U	0.80	0.11 [a]	0.11	ppbv		0.44 U	3.2	0.44 [a]	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.12 U	0.16	0.12 [a]	0.12	ppbv		0.48 U	0.63	0.48 [a]	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.1 U	3.6	1.1 [a]	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.53 U	0.40	0.53 [a]	0.53	ppbv		3.2 U	2.4	3.2 [a]	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	0.28 U	0.16	0.28 [a]	0.28	ppbv		1.7 U	0.96	1.7 [a]	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	0.32 U	0.40	0.32 [a]	0.32	ppbv		1.9 U	2.4	1.9 [a]	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.40 U	0.80	0.40 [a]	0.40	ppbv		1.8 U	3.6	1.8 [a]	1.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.24 U	0.80	0.24 [a]	0.24	ppbv		1.0 U	3.5	1.0 [a]	1.0	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.38 U	0.80	0.38 [a]	0.38	ppbv		1.9 U	3.9	1.9 [a]	1.9	ug/m3
76-13-1	187.4	Freon 113	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
87-68-3	260.8	Hexachlorobutadiene	0.25 U	0.36	0.25 [a]	0.25	ppbv		2.7 U	3.8	2.7 [a]	2.7	ug/m3
591-78-6	100	2-Hexanone	0.58 U	0.80	0.58 [a]	0.58	ppbv		2.4 U	3.3	2.4 [a]	2.4	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	776-VMP-3_0225		
Lab Sample ID:	JE5344-4	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: M002	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.53 U	0.80	0.53 [a]	0.53	ppbv		1.8 U	2.8	1.8 [a]	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.44 U	0.80	0.44 [a]	0.44	ppbv		1.3 U	2.4	1.3 [a]	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29 U	0.80	0.29 [a]	0.29	ppbv		1.2 U	3.3	1.2 [a]	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.2 U	2.9	1.2 [a]	1.2	ug/m3
91-20-3	128.17	Naphthalene	0.51 U	0.80	0.51 [a]	0.51	ppbv		2.7 U	4.2	2.7 [a]	2.7	ug/m3
100-42-5	104.1	Styrene	0.21 U	0.80	0.21 [a]	0.21	ppbv		0.89 U	3.4	0.89 [a]	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.31 U	0.40	0.31 [a]	0.31	ppbv		1.7 U	2.2	1.7 [a]	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.19 U	0.40	0.19 [a]	0.19	ppbv		1.3 U	2.7	1.3 [a]	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.15 U	0.40	0.15 [a]	0.15	ppbv		0.82 U	2.2	0.82 [a]	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.48 U	0.40	0.48 [a]	0.48	ppbv		3.6 U	3.0	3.6 [a]	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.35 U	0.80	0.35 [a]	0.35	ppbv		1.7 U	3.9	1.7 [a]	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.6 U	3.9	1.6 [a]	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.056 U	0.16	0.056 [a]	0.056	ppbv		0.38 U	1.1	0.38 [a]	0.38	ug/m3
108-88-3	92.14	Toluene	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.87 U	3.0	0.87 [a]	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	0.40	0.16	0.076 [a]	0.076	ppbv		2.1	0.86	0.41 [a]	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.62 U	0.40	0.62 [a]	0.62	ppbv		3.5 U	2.2	3.5 [a]	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	0.28 U	0.16	0.28 [a]	0.28	ppbv		0.72 U	0.41	0.72 [a]	0.72	ug/m3
108-05-4	86	Vinyl Acetate	0.45 U	0.80	0.45 [a]	0.45	ppbv		1.6 U	2.8	1.6 [a]	1.6	ug/m3
	106.2	m,p-Xylene	0.56 U	0.80	0.56 [a]	0.56	ppbv		2.4 U	3.5	2.4 [a]	2.4	ug/m3
95-47-6	106.2	o-Xylene	0.31 U	0.80	0.31 [a]	0.31	ppbv		1.3 U	3.5	1.3 [a]	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	776-IA_1_0225		
Lab Sample ID:	JE5344-5	**Date Sampled:**	02/05/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1735	**Date Received:**	02/07/25
Method:	TO-15 (BY SIM)	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6W34964.D	1	02/16/25 13:46	BK	n/a	n/a	V6W1450
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
71-43-2	78.11	Benzene	0.14	0.010	0.0037 [a]	0.0037	ppbv		0.45	0.032	0.012 [a]	0.012	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.0050	0.0016 [a]	0.0016	ppbv		0.69	0.031	0.010 [a]	0.010	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.0010 U	0.0020	0.0010 [a]	0.0010	ppbv		0.0040 U	0.0079	0.0040 [a]	0.0040	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.00090 U	0.020	0.00090 [a]	0.00090	ppbv		0.0036 U	0.079	0.0036 [a]	0.0036	ug/m3
75-09-2	84.94	Methylene chloride	0.47	0.10	0.0064 [a]	0.0064	ppbv		1.6	0.35	0.022 [a]	0.022	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.0048	0.0050	0.00090 [a]	0.00090	ppbv	J	0.026	0.027	0.0049 [a]	0.0049	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.0062	0.0050	0.0012 [a]	0.0012	ppbv		0.042	0.034	0.0081 [a]	0.0081	ug/m3
79-01-6	131.4	Trichloroethylene	0.023	0.0050	0.00095 [a]	0.00095	ppbv		0.12	0.027	0.0051 [a]	0.0051	ug/m3
75-01-4	62.5	Vinyl chloride	0.00056 U	0.0020	0.00056 [a]	0.00056	ppbv		0.0014 U	0.0051	0.0014 [a]	0.0014	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 776-OA-1_0225
Lab Sample ID: JE5344-6 **Date Sampled:** 02/05/25
Matrix: AIR - Ambient Air Comp. Summa ID: A1627 **Date Received:** 02/07/25
Method: TO-15 **Percent Solids:** n/a
Project: BECOS Former Griffiss AFB, Rome, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W12965.D	1	02/24/25 12:49	BK	n/a	n/a	V7W457
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	1.3	0.80	0.58 [a]	0.58	ppbv		3.1	1.9	1.4 [a]	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	0.34 U	0.80	0.34 [a]	0.34	ppbv		0.75 U	1.8	0.75 [a]	0.75	ug/m3
71-43-2	78.11	Benzene	0.19 U	0.80	0.19 [a]	0.19	ppbv		0.61 U	2.6	0.61 [a]	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.80 U	2.7	0.80 [a]	0.80	ug/m3
75-25-2	252.8	Bromoform	0.28 U	0.16	0.28 [a]	0.28	ppbv		2.9 U	1.7	2.9 [a]	2.9	ug/m3
74-83-9	94.94	Bromomethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.1	1.1 [a]	1.1	ug/m3
100-44-7	126	Benzyl Chloride	0.50 U	0.80	0.50 [a]	0.50	ppbv		2.6 U	4.1	2.6 [a]	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.18 U	0.80	0.18 [a]	0.18	ppbv		0.56 U	2.5	0.56 [a]	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	0.30 U	0.80	0.30 [a]	0.30	ppbv		1.4 U	3.7	1.4 [a]	1.4	ug/m3
75-00-3	64.52	Chloroethane	0.27 U	0.80	0.27 [a]	0.27	ppbv		0.71 U	2.1	0.71 [a]	0.71	ug/m3
67-66-3	119.4	Chloroform	0.15 U	0.80	0.15 [a]	0.15	ppbv		0.73 U	3.9	0.73 [a]	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.57	0.80	0.36 [a]	0.36	ppbv	J	1.2	1.7	0.74 [a]	0.74	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16 U	0.16	0.16 [a]	0.16	ppbv		1.0 U	1.0	1.0 [a]	1.0	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.93 U	3.2	0.93 [a]	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.24 U	0.16	0.24 [a]	0.24	ppbv		0.95 U	0.63	0.95 [a]	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.2	1.1 [a]	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.2 U	3.7	1.2 [a]	1.2	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.80	0.42 [a]	0.42	ppbv	J	2.1	4.0	2.1 [a]	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	0.21 U	0.40	0.21 [a]	0.21	ppbv		1.8 U	3.4	1.8 [a]	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.11 U	0.80	0.11 [a]	0.11	ppbv		0.44 U	3.2	0.44 [a]	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.12 U	0.16	0.12 [a]	0.12	ppbv		0.48 U	0.63	0.48 [a]	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.1 U	3.6	1.1 [a]	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.53 U	0.40	0.53 [a]	0.53	ppbv		3.2 U	2.4	3.2 [a]	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	0.28 U	0.16	0.28 [a]	0.28	ppbv		1.7 U	0.96	1.7 [a]	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	0.32 U	0.40	0.32 [a]	0.32	ppbv		1.9 U	2.4	1.9 [a]	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.40 U	0.80	0.40 [a]	0.40	ppbv		1.8 U	3.6	1.8 [a]	1.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.24 U	0.80	0.24 [a]	0.24	ppbv		1.0 U	3.5	1.0 [a]	1.0	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.38 U	0.80	0.38 [a]	0.38	ppbv		1.9 U	3.9	1.9 [a]	1.9	ug/m3
76-13-1	187.4	Freon 113	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
87-68-3	260.8	Hexachlorobutadiene	0.25 U	0.36	0.25 [a]	0.25	ppbv		2.7 U	3.8	2.7 [a]	2.7	ug/m3
591-78-6	100	2-Hexanone	0.58 U	0.80	0.58 [a]	0.58	ppbv		2.4 U	3.3	2.4 [a]	2.4	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	776-OA-1_0225		
Lab Sample ID:	JE5344-6	**Date Sampled:**	02/05/25
Matrix:	AIR - Ambient Air Comp. Summa ID: A1627	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.53 U	0.80	0.53 [a]	0.53	ppbv		1.8 U	2.8	1.8 [a]	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.44 U	0.80	0.44 [a]	0.44	ppbv		1.3 U	2.4	1.3 [a]	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29 U	0.80	0.29 [a]	0.29	ppbv		1.2 U	3.3	1.2 [a]	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.2 U	2.9	1.2 [a]	1.2	ug/m3
91-20-3	128.17	Naphthalene	0.51 U	0.80	0.51 [a]	0.51	ppbv		2.7 U	4.2	2.7 [a]	2.7	ug/m3
100-42-5	104.1	Styrene	0.21 U	0.80	0.21 [a]	0.21	ppbv		0.89 U	3.4	0.89 [a]	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.31 U	0.40	0.31 [a]	0.31	ppbv		1.7 U	2.2	1.7 [a]	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.19 U	0.40	0.19 [a]	0.19	ppbv		1.3 U	2.7	1.3 [a]	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.15 U	0.40	0.15 [a]	0.15	ppbv		0.82 U	2.2	0.82 [a]	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.48 U	0.40	0.48 [a]	0.48	ppbv		3.6 U	3.0	3.6 [a]	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.35 U	0.80	0.35 [a]	0.35	ppbv		1.7 U	3.9	1.7 [a]	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.6 U	3.9	1.6 [a]	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.056 U	0.16	0.056 [a]	0.056	ppbv		0.38 U	1.1	0.38 [a]	0.38	ug/m3
108-88-3	92.14	Toluene	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.87 U	3.0	0.87 [a]	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	0.076 U	0.16	0.076 [a]	0.076	ppbv		0.41 U	0.86	0.41 [a]	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.62 U	0.40	0.62 [a]	0.62	ppbv		3.5 U	2.2	3.5 [a]	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	0.28 U	0.16	0.28 [a]	0.28	ppbv		0.72 U	0.41	0.72 [a]	0.72	ug/m3
108-05-4	86	Vinyl Acetate	0.45 U	0.80	0.45 [a]	0.45	ppbv		1.6 U	2.8	1.6 [a]	1.6	ug/m3
	106.2	m,p-Xylene	0.56 U	0.80	0.56 [a]	0.56	ppbv		2.4 U	3.5	2.4 [a]	2.4	ug/m3
95-47-6	106.2	o-Xylene	0.31 U	0.80	0.31 [a]	0.31	ppbv		1.3 U	3.5	1.3 [a]	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	774-VMP-1_0225		
Lab Sample ID:	JE5344-7	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: M064	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W12966.D	1	02/24/25 13:28	BK	n/a	n/a	V7W457
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	5.6	0.80	0.58 [a]	0.58	ppbv		13	1.9	1.4 [a]	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	0.34 U	0.80	0.34 [a]	0.34	ppbv		0.75 U	1.8	0.75 [a]	0.75	ug/m3
71-43-2	78.11	Benzene	0.19 U	0.80	0.19 [a]	0.19	ppbv		0.61 U	2.6	0.61 [a]	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.80 U	2.7	0.80 [a]	0.80	ug/m3
75-25-2	252.8	Bromoform	0.28 U	0.16	0.28 [a]	0.28	ppbv		2.9 U	1.7	2.9 [a]	2.9	ug/m3
74-83-9	94.94	Bromomethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.1	1.1 [a]	1.1	ug/m3
100-44-7	126	Benzyl Chloride	0.50 U	0.80	0.50 [a]	0.50	ppbv		2.6 U	4.1	2.6 [a]	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.18 U	0.80	0.18 [a]	0.18	ppbv		0.56 U	2.5	0.56 [a]	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	0.30 U	0.80	0.30 [a]	0.30	ppbv		1.4 U	3.7	1.4 [a]	1.4	ug/m3
75-00-3	64.52	Chloroethane	0.27 U	0.80	0.27 [a]	0.27	ppbv		0.71 U	2.1	0.71 [a]	0.71	ug/m3
67-66-3	119.4	Chloroform	0.53	0.80	0.15 [a]	0.15	ppbv	J	2.6	3.9	0.73 [a]	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.36 U	0.80	0.36 [a]	0.36	ppbv		0.74 U	1.7	0.74 [a]	0.74	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16 U	0.16	0.16 [a]	0.16	ppbv		1.0 U	1.0	1.0 [a]	1.0	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.93 U	3.2	0.93 [a]	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.24 U	0.16	0.24 [a]	0.24	ppbv		0.95 U	0.63	0.95 [a]	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.2	1.1 [a]	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.2 U	3.7	1.2 [a]	1.2	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42 U	0.80	0.42 [a]	0.42	ppbv		2.1 U	4.0	2.1 [a]	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	0.21 U	0.40	0.21 [a]	0.21	ppbv		1.8 U	3.4	1.8 [a]	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.11 U	0.80	0.11 [a]	0.11	ppbv		0.44 U	3.2	0.44 [a]	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.41	0.16	0.12 [a]	0.12	ppbv		1.6	0.63	0.48 [a]	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.1 U	3.6	1.1 [a]	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.53 U	0.40	0.53 [a]	0.53	ppbv		3.2 U	2.4	3.2 [a]	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	0.28 U	0.16	0.28 [a]	0.28	ppbv		1.7 U	0.96	1.7 [a]	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	0.32 U	0.40	0.32 [a]	0.32	ppbv		1.9 U	2.4	1.9 [a]	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.40 U	0.80	0.40 [a]	0.40	ppbv		1.8 U	3.6	1.8 [a]	1.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.24 U	0.80	0.24 [a]	0.24	ppbv		1.0 U	3.5	1.0 [a]	1.0	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.38 U	0.80	0.38 [a]	0.38	ppbv		1.9 U	3.9	1.9 [a]	1.9	ug/m3
76-13-1	187.4	Freon 113	0.52	0.40	0.12 [a]	0.12	ppbv		4.0	3.1	0.92 [a]	0.92	ug/m3
87-68-3	260.8	Hexachlorobutadiene	0.25 U	0.36	0.25 [a]	0.25	ppbv		2.7 U	3.8	2.7 [a]	2.7	ug/m3
591-78-6	100	2-Hexanone	0.58 U	0.80	0.58 [a]	0.58	ppbv		2.4 U	3.3	2.4 [a]	2.4	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	774-VMP-1_0225		
Lab Sample ID:	JE5344-7	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: M064	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.53 U	0.80	0.53 [a]	0.53	ppbv		1.8 U	2.8	1.8 [a]	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.55	0.80	0.44 [a]	0.44	ppbv	J	1.6	2.4	1.3 [a]	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29 U	0.80	0.29 [a]	0.29	ppbv		1.2 U	3.3	1.2 [a]	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.2 U	2.9	1.2 [a]	1.2	ug/m3
91-20-3	128.17	Naphthalene	0.51 U	0.80	0.51 [a]	0.51	ppbv		2.7 U	4.2	2.7 [a]	2.7	ug/m3
100-42-5	104.1	Styrene	0.21 U	0.80	0.21 [a]	0.21	ppbv		0.89 U	3.4	0.89 [a]	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	4.0	0.40	0.31 [a]	0.31	ppbv		22	2.2	1.7 [a]	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.19 U	0.40	0.19 [a]	0.19	ppbv		1.3 U	2.7	1.3 [a]	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.15 U	0.40	0.15 [a]	0.15	ppbv		0.82 U	2.2	0.82 [a]	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.48 U	0.40	0.48 [a]	0.48	ppbv		3.6 U	3.0	3.6 [a]	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.35 U	0.80	0.35 [a]	0.35	ppbv		1.7 U	3.9	1.7 [a]	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.6 U	3.9	1.6 [a]	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.056 U	0.16	0.056 [a]	0.056	ppbv		0.38 U	1.1	0.38 [a]	0.38	ug/m3
108-88-3	92.14	Toluene	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.87 U	3.0	0.87 [a]	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	9.0	0.16	0.076 [a]	0.076	ppbv		48	0.86	0.41 [a]	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.2	0.40	0.62 [a]	0.62	ppbv		12	2.2	3.5 [a]	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	0.28 U	0.16	0.28 [a]	0.28	ppbv		0.72 U	0.41	0.72 [a]	0.72	ug/m3
108-05-4	86	Vinyl Acetate	0.45 U	0.80	0.45 [a]	0.45	ppbv		1.6 U	2.8	1.6 [a]	1.6	ug/m3
	106.2	m,p-Xylene	0.56 U	0.80	0.56 [a]	0.56	ppbv		2.4 U	3.5	2.4 [a]	2.4	ug/m3
95-47-6	106.2	o-Xylene	0.31 U	0.80	0.31 [a]	0.31	ppbv		1.3 U	3.5	1.3 [a]	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	774-VMP-2_0225		
Lab Sample ID:	JE5344-8	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1337	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W12967.D	1	02/24/25 14:07	BK	n/a	n/a	V7W457
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	34.0	0.80	0.58 [a]	0.58	ppbv		80.8	1.9	1.4 [a]	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	0.34 U	0.80	0.34 [a]	0.34	ppbv		0.75 U	1.8	0.75 [a]	0.75	ug/m3
71-43-2	78.11	Benzene	0.19 U	0.80	0.19 [a]	0.19	ppbv		0.61 U	2.6	0.61 [a]	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.80 U	2.7	0.80 [a]	0.80	ug/m3
75-25-2	252.8	Bromoform	0.28 U	0.16	0.28 [a]	0.28	ppbv		2.9 U	1.7	2.9 [a]	2.9	ug/m3
74-83-9	94.94	Bromomethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.1	1.1 [a]	1.1	ug/m3
100-44-7	126	Benzyl Chloride	0.50 U	0.80	0.50 [a]	0.50	ppbv		2.6 U	4.1	2.6 [a]	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.18 U	0.80	0.18 [a]	0.18	ppbv		0.56 U	2.5	0.56 [a]	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	0.30 U	0.80	0.30 [a]	0.30	ppbv		1.4 U	3.7	1.4 [a]	1.4	ug/m3
75-00-3	64.52	Chloroethane	0.27 U	0.80	0.27 [a]	0.27	ppbv		0.71 U	2.1	0.71 [a]	0.71	ug/m3
67-66-3	119.4	Chloroform	0.15 U	0.80	0.15 [a]	0.15	ppbv		0.73 U	3.9	0.73 [a]	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.36 U	0.80	0.36 [a]	0.36	ppbv		0.74 U	1.7	0.74 [a]	0.74	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16 U	0.16	0.16 [a]	0.16	ppbv		1.0 U	1.0	1.0 [a]	1.0	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.93 U	3.2	0.93 [a]	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.24 U	0.16	0.24 [a]	0.24	ppbv		0.95 U	0.63	0.95 [a]	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.2	1.1 [a]	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.2 U	3.7	1.2 [a]	1.2	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.80	0.42 [a]	0.42	ppbv	J	2.1	4.0	2.1 [a]	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	0.21 U	0.40	0.21 [a]	0.21	ppbv		1.8 U	3.4	1.8 [a]	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.11 U	0.80	0.11 [a]	0.11	ppbv		0.44 U	3.2	0.44 [a]	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.12 U	0.16	0.12 [a]	0.12	ppbv		0.48 U	0.63	0.48 [a]	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.1 U	3.6	1.1 [a]	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.53 U	0.40	0.53 [a]	0.53	ppbv		3.2 U	2.4	3.2 [a]	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	0.28 U	0.16	0.28 [a]	0.28	ppbv		1.7 U	0.96	1.7 [a]	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	0.32 U	0.40	0.32 [a]	0.32	ppbv		1.9 U	2.4	1.9 [a]	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.40 U	0.80	0.40 [a]	0.40	ppbv		1.8 U	3.6	1.8 [a]	1.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.24 U	0.80	0.24 [a]	0.24	ppbv		1.0 U	3.5	1.0 [a]	1.0	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.38 U	0.80	0.38 [a]	0.38	ppbv		1.9 U	3.9	1.9 [a]	1.9	ug/m3
76-13-1	187.4	Freon 113	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
87-68-3	260.8	Hexachlorobutadiene	0.25 U	0.36	0.25 [a]	0.25	ppbv		2.7 U	3.8	2.7 [a]	2.7	ug/m3
591-78-6	100	2-Hexanone	0.58 U	0.80	0.58 [a]	0.58	ppbv		2.4 U	3.3	2.4 [a]	2.4	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 774-VMP-2_0225
Lab Sample ID: JE5344-8
Matrix: AIR - Soil Vapor Comp. Summa ID: A1337
Method: TO-15
Project: BECOS Former Griffiss AFB, Rome, NY

Date Sampled: 02/05/25
Date Received: 02/07/25
Percent Solids: n/a

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.53 U	0.80	0.53 [a]	0.53	ppbv		1.8 U	2.8	1.8 [a]	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	7.9	0.80	0.44 [a]	0.44	ppbv		23	2.4	1.3 [a]	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29 U	0.80	0.29 [a]	0.29	ppbv		1.2 U	3.3	1.2 [a]	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.2 U	2.9	1.2 [a]	1.2	ug/m3
91-20-3	128.17	Naphthalene	0.51 U	0.80	0.51 [a]	0.51	ppbv		2.7 U	4.2	2.7 [a]	2.7	ug/m3
100-42-5	104.1	Styrene	0.21 U	0.80	0.21 [a]	0.21	ppbv		0.89 U	3.4	0.89 [a]	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	1.9	0.40	0.31 [a]	0.31	ppbv		10	2.2	1.7 [a]	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.19 U	0.40	0.19 [a]	0.19	ppbv		1.3 U	2.7	1.3 [a]	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.15 U	0.40	0.15 [a]	0.15	ppbv		0.82 U	2.2	0.82 [a]	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.48 U	0.40	0.48 [a]	0.48	ppbv		3.6 U	3.0	3.6 [a]	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.35 U	0.80	0.35 [a]	0.35	ppbv		1.7 U	3.9	1.7 [a]	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.6 U	3.9	1.6 [a]	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.056 U	0.16	0.056 [a]	0.056	ppbv		0.38 U	1.1	0.38 [a]	0.38	ug/m3
108-88-3	92.14	Toluene	0.44	0.80	0.23 [a]	0.23	ppbv	J	1.7	3.0	0.87 [a]	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	10.6	0.16	0.076 [a]	0.076	ppbv		57.0	0.86	0.41 [a]	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	24.7	0.40	0.62 [a]	0.62	ppbv		139	2.2	3.5 [a]	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	0.28 U	0.16	0.28 [a]	0.28	ppbv		0.72 U	0.41	0.72 [a]	0.72	ug/m3
108-05-4	86	Vinyl Acetate	0.45 U	0.80	0.45 [a]	0.45	ppbv		1.6 U	2.8	1.6 [a]	1.6	ug/m3
	106.2	m,p-Xylene	0.56 U	0.80	0.56 [a]	0.56	ppbv		2.4 U	3.5	2.4 [a]	2.4	ug/m3
95-47-6	106.2	o-Xylene	0.31 U	0.80	0.31 [a]	0.31	ppbv		1.3 U	3.5	1.3 [a]	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	774-VMP-3_0225		
Lab Sample ID:	JE5344-9	**Date Sampled:**	02/05/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A653	**Date Received:**	02/07/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W12968.D	1	02/24/25 14:45	BK	n/a	n/a	V7W457
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	4.9	0.80	0.58 [a]	0.58	ppbv		12	1.9	1.4 [a]	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	0.34 U	0.80	0.34 [a]	0.34	ppbv		0.75 U	1.8	0.75 [a]	0.75	ug/m3
71-43-2	78.11	Benzene	0.39	0.80	0.19 [a]	0.19	ppbv	J	1.2	2.6	0.61 [a]	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.80 U	2.7	0.80 [a]	0.80	ug/m3
75-25-2	252.8	Bromoform	0.28 U	0.16	0.28 [a]	0.28	ppbv		2.9 U	1.7	2.9 [a]	2.9	ug/m3
74-83-9	94.94	Bromomethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.1	1.1 [a]	1.1	ug/m3
100-44-7	126	Benzyl Chloride	0.50 U	0.80	0.50 [a]	0.50	ppbv		2.6 U	4.1	2.6 [a]	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.18 U	0.80	0.18 [a]	0.18	ppbv		0.56 U	2.5	0.56 [a]	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	0.30 U	0.80	0.30 [a]	0.30	ppbv		1.4 U	3.7	1.4 [a]	1.4	ug/m3
75-00-3	64.52	Chloroethane	0.27 U	0.80	0.27 [a]	0.27	ppbv		0.71 U	2.1	0.71 [a]	0.71	ug/m3
67-66-3	119.4	Chloroform	0.61	0.80	0.15 [a]	0.15	ppbv	J	3.0	3.9	0.73 [a]	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.48	0.80	0.36 [a]	0.36	ppbv	J	0.99	1.7	0.74 [a]	0.74	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16 U	0.16	0.16 [a]	0.16	ppbv		1.0 U	1.0	1.0 [a]	1.0	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23 U	0.80	0.23 [a]	0.23	ppbv		0.93 U	3.2	0.93 [a]	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.24 U	0.16	0.24 [a]	0.24	ppbv		0.95 U	0.63	0.95 [a]	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.28 U	0.80	0.28 [a]	0.28	ppbv		1.1 U	3.2	1.1 [a]	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.2 U	3.7	1.2 [a]	1.2	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.80	0.42 [a]	0.42	ppbv	J	2.2	4.0	2.1 [a]	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	0.21 U	0.40	0.21 [a]	0.21	ppbv		1.8 U	3.4	1.8 [a]	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.11 U	0.80	0.11 [a]	0.11	ppbv		0.44 U	3.2	0.44 [a]	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.12 U	0.16	0.12 [a]	0.12	ppbv		0.48 U	0.63	0.48 [a]	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.25 U	0.80	0.25 [a]	0.25	ppbv		1.1 U	3.6	1.1 [a]	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.53 U	0.40	0.53 [a]	0.53	ppbv		3.2 U	2.4	3.2 [a]	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	0.28 U	0.16	0.28 [a]	0.28	ppbv		1.7 U	0.96	1.7 [a]	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	0.32 U	0.40	0.32 [a]	0.32	ppbv		1.9 U	2.4	1.9 [a]	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.40 U	0.80	0.40 [a]	0.40	ppbv		1.8 U	3.6	1.8 [a]	1.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.24 U	0.80	0.24 [a]	0.24	ppbv		1.0 U	3.5	1.0 [a]	1.0	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.38 U	0.80	0.38 [a]	0.38	ppbv		1.9 U	3.9	1.9 [a]	1.9	ug/m3
76-13-1	187.4	Freon 113	0.12 U	0.40	0.12 [a]	0.12	ppbv		0.92 U	3.1	0.92 [a]	0.92	ug/m3
87-68-3	260.8	Hexachlorobutadiene	0.25 U	0.36	0.25 [a]	0.25	ppbv		2.7 U	3.8	2.7 [a]	2.7	ug/m3
591-78-6	100	2-Hexanone	0.58 U	0.80	0.58 [a]	0.58	ppbv		2.4 U	3.3	2.4 [a]	2.4	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 774-VMP-3_0225
Lab Sample ID: JE5344-9
Matrix: AIR - Soil Vapor Comp. Summa ID: A653
Method: TO-15
Project: BECOS Former Griffiss AFB, Rome, NY

Date Sampled: 02/05/25
Date Received: 02/07/25
Percent Solids: n/a

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	1.1	0.80	0.53 [a]	0.53	ppbv		3.8	2.8	1.8 [a]	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.62	0.80	0.44 [a]	0.44	ppbv	J	1.8	2.4	1.3 [a]	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29 U	0.80	0.29 [a]	0.29	ppbv		1.2 U	3.3	1.2 [a]	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.2 U	2.9	1.2 [a]	1.2	ug/m3
91-20-3	128.17	Naphthalene	0.51 U	0.80	0.51 [a]	0.51	ppbv		2.7 U	4.2	2.7 [a]	2.7	ug/m3
100-42-5	104.1	Styrene	0.21 U	0.80	0.21 [a]	0.21	ppbv		0.89 U	3.4	0.89 [a]	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.47	0.40	0.31 [a]	0.31	ppbv		2.6	2.2	1.7 [a]	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.19 U	0.40	0.19 [a]	0.19	ppbv		1.3 U	2.7	1.3 [a]	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.15 U	0.40	0.15 [a]	0.15	ppbv		0.82 U	2.2	0.82 [a]	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.48 U	0.40	0.48 [a]	0.48	ppbv		3.6 U	3.0	3.6 [a]	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.35 U	0.80	0.35 [a]	0.35	ppbv		1.7 U	3.9	1.7 [a]	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.32 U	0.80	0.32 [a]	0.32	ppbv		1.6 U	3.9	1.6 [a]	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.056 U	0.16	0.056 [a]	0.056	ppbv		0.38 U	1.1	0.38 [a]	0.38	ug/m3
108-88-3	92.14	Toluene	0.46	0.80	0.23 [a]	0.23	ppbv	J	1.7	3.0	0.87 [a]	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	5.9	0.16	0.076 [a]	0.076	ppbv		32	0.86	0.41 [a]	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	63.9	0.40	0.62 [a]	0.62	ppbv		359	2.2	3.5 [a]	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	0.28 U	0.16	0.28 [a]	0.28	ppbv		0.72 U	0.41	0.72 [a]	0.72	ug/m3
108-05-4	86	Vinyl Acetate	0.45 U	0.80	0.45 [a]	0.45	ppbv		1.6 U	2.8	1.6 [a]	1.6	ug/m3
	106.2	m,p-Xylene	0.56 U	0.80	0.56 [a]	0.56	ppbv		2.4 U	3.5	2.4 [a]	2.4	ug/m3
95-47-6	106.2	o-Xylene	0.31 U	0.80	0.31 [a]	0.31	ppbv		1.3 U	3.5	1.3 [a]	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	774-IA-1_0225		
Lab Sample ID:	JE5344-10	**Date Sampled:**	02/05/25
Matrix:	AIR - Indoor Air Comp. Summa ID: M237	**Date Received:**	02/07/25
Method:	TO-15 (BY SIM)	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6W34965.D	1	02/16/25 14:28	BK	n/a	n/a	V6W1450
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
71-43-2	78.11	Benzene	0.14	0.010	0.0037 [a]	0.0037	ppbv		0.45	0.032	0.012 [a]	0.012	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.0050	0.0016 [a]	0.0016	ppbv		0.69	0.031	0.010 [a]	0.010	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.0010 U	0.0020	0.0010 [a]	0.0010	ppbv		0.0040 U	0.0079	0.0040 [a]	0.0040	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.00090 U	0.020	0.00090 [a]	0.00090	ppbv		0.0036 U	0.079	0.0036 [a]	0.0036	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.10	0.0064 [a]	0.0064	ppbv		0.87	0.35	0.022 [a]	0.022	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.0044	0.0050	0.00090 [a]	0.00090	ppbv	J	0.024	0.027	0.0049 [a]	0.0049	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.0074	0.0050	0.0012 [a]	0.0012	ppbv		0.050	0.034	0.0081 [a]	0.0081	ug/m3
79-01-6	131.4	Trichloroethylene	0.030	0.0050	0.00095 [a]	0.00095	ppbv		0.16	0.027	0.0051 [a]	0.0051	ug/m3
75-01-4	62.5	Vinyl chloride	0.00056 U	0.0020	0.00056 [a]	0.00056	ppbv		0.0014 U	0.0051	0.0014 [a]	0.0014	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions (DOD)
- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- QC Evaluation: DOD QSM5.x Limits
- MDL Studies

Parameter Certification Exceptions

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

The following parameters included in this report are exceptions to DOD certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Acetone (2-Propanone)	67-64-1	**TO-15**	AIR	SGS is not certified for this parameter.
1,3-Butadiene	106-99-0	**TO-15**	AIR	SGS is not certified for this parameter.
Benzene	71-43-2	**TO-15**	AIR	SGS is not certified for this parameter.
Benzene	71-43-2	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Benzyl Chloride	100-44-7	**TO-15**	AIR	SGS is not certified for this parameter.
Bromodichloromethane	75-27-4	**TO-15**	AIR	SGS is not certified for this parameter.
Bromoform	75-25-2	**TO-15**	AIR	SGS is not certified for this parameter.
Bromomethane	74-83-9	**TO-15**	AIR	SGS is not certified for this parameter.
Carbon disulfide	75-15-0	**TO-15**	AIR	SGS is not certified for this parameter.
Carbon tetrachloride	56-23-5	**TO-15**	AIR	SGS is not certified for this parameter.
Carbon tetrachloride	56-23-5	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Chlorobenzene	108-90-7	**TO-15**	AIR	SGS is not certified for this parameter.
Chloroethane	75-00-3	**TO-15**	AIR	SGS is not certified for this parameter.
Chloroform	67-66-3	**TO-15**	AIR	SGS is not certified for this parameter.
Chloromethane	74-87-3	**TO-15**	AIR	SGS is not certified for this parameter.
1,1-Dichloroethane	75-34-3	**TO-15**	AIR	SGS is not certified for this parameter.
1,1-Dichloroethylene	75-35-4	**TO-15**	AIR	SGS is not certified for this parameter.
1,1-Dichloroethylene	75-35-4	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
1,2-Dibromoethane (EDB)	106-93-4	**TO-15**	AIR	SGS is not certified for this parameter.
1,2-Dichloroethane	107-06-2	**TO-15**	AIR	SGS is not certified for this parameter.
1,2-Dichloropropane	78-87-5	**TO-15**	AIR	SGS is not certified for this parameter.
Dibromochloromethane	124-48-1	**TO-15**	AIR	SGS is not certified for this parameter.
Dichlorodifluoromethane	75-71-8	**TO-15**	AIR	SGS is not certified for this parameter.
cis-1,2-Dichloroethylene	156-59-2	**TO-15**	AIR	SGS is not certified for this parameter.
cis-1,2-Dichloroethylene	156-59-2	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
cis-1,3-Dichloropropene	10061-01-5	**TO-15**	AIR	SGS is not certified for this parameter.
m-Dichlorobenzene	541-73-1	**TO-15**	AIR	SGS is not certified for this parameter.
o-Dichlorobenzene	95-50-1	**TO-15**	AIR	SGS is not certified for this parameter.
p-Dichlorobenzene	106-46-7	**TO-15**	AIR	SGS is not certified for this parameter.
trans-1,2-Dichloroethylene	156-60-5	**TO-15**	AIR	SGS is not certified for this parameter.
trans-1,3-Dichloropropene	10061-02-6	**TO-15**	AIR	SGS is not certified for this parameter.
4-Ethyltoluene	622-96-8	**TO-15**	AIR	SGS is not certified for this parameter.
Ethylbenzene	100-41-4	**TO-15**	AIR	SGS is not certified for this parameter.
Freon 113	76-13-1	**TO-15**	AIR	SGS is not certified for this parameter.
2-Hexanone	591-78-6	**TO-15**	AIR	SGS is not certified for this parameter.
Hexachlorobutadiene	87-68-3	**TO-15**	AIR	SGS is not certified for this parameter.
Methyl Isobutyl Ketone	108-10-1	**TO-15**	AIR	SGS is not certified for this parameter.
Methyl Tert Butyl Ether	1634-04-4	**TO-15**	AIR	SGS is not certified for this parameter.
Methyl ethyl ketone	78-93-3	**TO-15**	AIR	SGS is not certified for this parameter.
Methylene chloride	75-09-2	**TO-15**	AIR	SGS is not certified for this parameter.
Methylene chloride	75-09-2	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Naphthalene	91-20-3	**TO-15**	AIR	SGS is not certified for this parameter.

Parameter Certification Exceptions

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

The following parameters included in this report are exceptions to DOD certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Styrene	100-42-5	**TO-15**	AIR	SGS is not certified for this parameter.
1,1,1-Trichloroethane	71-55-6	**TO-15**	AIR	SGS is not certified for this parameter.
1,1,1-Trichloroethane	71-55-6	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
1,1,2,2-Tetrachloroethane	79-34-5	**TO-15**	AIR	SGS is not certified for this parameter.
1,1,2-Trichloroethane	79-00-5	**TO-15**	AIR	SGS is not certified for this parameter.
1,2,4-Trichlorobenzene	120-82-1	**TO-15**	AIR	SGS is not certified for this parameter.
1,2,4-Trimethylbenzene	95-63-6	**TO-15**	AIR	SGS is not certified for this parameter.
1,3,5-Trimethylbenzene	108-67-8	**TO-15**	AIR	SGS is not certified for this parameter.
Tetrachloroethylene	127-18-4	**TO-15**	AIR	SGS is not certified for this parameter.
Tetrachloroethylene	127-18-4	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Toluene	108-88-3	**TO-15**	AIR	SGS is not certified for this parameter.
Trichloroethylene	79-01-6	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Trichloroethylene	79-01-6	**TO-15**	AIR	SGS is not certified for this parameter.
Trichlorofluoromethane	75-69-4	**TO-15**	AIR	SGS is not certified for this parameter.
Vinyl Acetate	108-05-4	**TO-15**	AIR	SGS is not certified for this parameter.
Vinyl chloride	75-01-4	**TO-15**	AIR	SGS is not certified for this parameter.
Vinyl chloride	75-01-4	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
m,p-Xylene		**TO-15**	AIR	SGS is not certified for this parameter.
o-Xylene	95-47-6	**TO-15**	AIR	SGS is not certified for this parameter.

AIR CHAIN OF CUSTODY

PAGE 1 OF 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #: KR-012425-30
SGS Quote #: | SGS Job #: JE5344

Client / Reporting Information

Company Name: Bhate Environmental Associates
Address:
City: State: Zip:
Project Contact: E-mail:
Phone #: Fax #:

Project Information

Project Name: Griffis SVI
Street:
City: State:
Project #:
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 14:42 Maximum: 26°
Stop: 09:06 Minimum: 2°

Atmoshpheric Pressure (inches of Hg)
Start: 14:42 Maximum: 30.3
Stop: 09:06 Minimum: 29.7

Other weather comment:

Sampler(s) Name(s): Jackson DiCicco / Junaid Dawud

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis
1	776-VMP-1_0225	SV	A333	6L	FC998	2/4/25	14:42	29	60s	JD	2/5/25	08:34	0	60s	JD	
2	776-VMP-2_0225	SV	A1631	6L	FC924	2/4/25	14:59	29	60s	JD	2/5/25	08:55	0	60s	JD	
3	776-VMP-2_0225-A	SV	A247	6L	MC082	2/4/25	14:59	29	60s	JD	2/5/25	08:55	0	60s	JD	
4	776-VMP-3_0225	SV	M002	6L	FC1021	2/4/25	15:16	29	60s	JD	2/5/25	09:06	0	60s	JD	
5	~~776-VMP~~ 776-IA-1_0225	I	A1735	6L	FC887	2/4/25	15:19	29	60s	JD	2/5/25	09:02	0	60s	JD	
6	776-OA-1_0225	A	A1627	6L	FC813	2/4/25	16:26	28	60s	JD	2/5/25	08:16	0	60s	JD	
7	774-VMP-1_0225	SV	M064	6L	FC441	2/4/25	16:11	29	60s	JD	2/5/25	08:10	0	60s	JD	
8	774-VMP-2_0225	SV	A1337	6L	FC1026	2/4/25	15:56	29	60s	JD	2/5/25	08:02	0	60s	JD	
9	774-VMP-3_0225	SV	A653	6L	FC997	2/4/25	15:40	28	60s	JD	2/5/25	07:54	0	60s	JD	
10	774-IA-1_0225	I	M237	6L	FC484	2/4/25	15:59	30	60s	JD	2/5/25	07:59	1	60s	JD	

Turnaround Time (Business days)

- Standard - 15 Days
- 10 Day — Approved By:
- 5 Day
- 3 Day
- 2 Day — Date:
- 1 Day
- Other

Data Deliverable Information

All NJDEP TO-15 is Mandatory Full T1

- Comm A
- Comm B
- Reduced T2
- Full T1
- Other:
- DKQP reporting

Comments / Remarks

AG3B

Sample inventory is verified upon receipt in the Laboratory

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 W.J.		1	2		2
Relinquished by: 3 J. DiCicco	Date Time: 2/5/25 12:30	Received By: 3	Relinquished By: 4	Date Time: 2/7/25 935	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

5.2 5

JE5344: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: je5344 **Client:** BHATE ENVIRONMENTAL ASSOCIATES, **Project:** BECOS FORMER GRIFFISS AFB, ROME, NY

Date / Time Received: 2/7/2025 9:35:00 AM **Delivery Method:** FED EX **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

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

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

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

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

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

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

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

Comments -1 to -10 No analysis requested on COC. Please confirm required analysis.

Responded to by: Marie Meidhof

Response Date: 2/10/2025

Login JE5344-5, -10 for VTO15SIMSL. Login JE5344-1 to 4, 6 to 9 for VTO15SL.

JE5344: Chain of Custody
Page 3 of 3

Summa Canister and Flow Controller Log

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Received: 02/07/25

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A333	6	29.5	01/31/25	JT	CP12974	5W56384.D	JE5344-1	02/11/25	JH		.2		1
A1631	6	29.5	01/31/25	JT	CP12963	5W56380.D	JE5344-2	02/11/25	JH	.5			1
A247	6	29.5	01/31/25	JT	CP12981	5W56387.D	JE5344-3	02/11/25	JH	.5			1
M002	6	29.5	01/31/25	JT	CP12963	5W56380.D	JE5344-4	02/11/25	JH		.2		1
A1735	6	29.5	01/31/25	JT	CP12978	5W56530.D	JE5344-5	02/10/25	BK	.5			1
A1627	6	29.5	01/31/25	JT	CP12981	5W56387.D	JE5344-6	02/11/25	JH		1.6		1
M064	6	29.5	01/31/25	JT	CP12980	5W56390.D	JE5344-7	02/11/25	JH	.5			1
A1337	6	29.5	01/31/25	JT	CP12981	5W56387.D	JE5344-8	02/11/25	JH	.5			1
A653	6	29	01/31/25	JT	CP12973	5W56280.D	JE5344-9	02/11/25	JH	.5			1
M237	6	29	01/31/25	JT	CP12980	5W56390.D	JE5344-10	02/11/25	BK	.5			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC441	01/30/25	JT	10.5	8	02/12/25	JH	11.3	7.3	Flow Controller
FC484	01/30/25	JT	10.4	8	02/18/25	JT	10.7	2.8	Flow Controller
FC773	01/10/25	JT	3.5	24	02/12/25	BK	3.11	11.8	Flow Controller
FC813	01/30/25	JT	10.5	8	02/12/25	JH	10.6	0.9	Flow Controller
FC887	01/30/25	JT	10.4	8	02/12/25	BK	10.6	1.9	Flow Controller
FC924	01/30/25	JT	10.4	8	02/12/25	JH	10.7	2.8	Flow Controller
FC997	01/30/25	JT	10.3	8	02/12/25	JN	10.8	4.7	Flow Controller
FC998	01/30/25	JT	10.4	8	02/12/25	JH	10.4	0	Flow Controller
MC082	01/30/25	JT	10.5	8	02/12/25	JH	14	28.6*	Flow Controller
FC1021	01/30/25	JT	10.4	8	02/12/25	JH	12.8	20.7*	Flow Controller
FC1025	01/10/25	JT	3.5	24	02/12/25	BK	3.6	2.8	Flow Controller
FC1026	01/30/25	JT	10.4	8	02/12/25	JH	10.7	2.8	Flow Controller
FC1109	01/31/25	JT	3.5	24	02/12/25	BK	5.4	42.7*	Flow Controller

* Flow controller RPD > 20%

SGS Bottle Order(s):
JT-121824-55
KR-012425-30
KR-012425-31
PREM-EN-013025-127

Prep Date	Room Temp(F)	Bar Pres "Hg
01/31/25	70	29.92

Internal Sample Tracking Chronicle

Bhate Environmental Associates, Inc.

Job No: JE5344

BECOS Former Griffiss AFB, Rome, NY

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE5344-1	Collected: 05-FEB-25 08:34 By: JD		Received: 07-FEB-25 By: JK			
776-VMP-1_0225						
JE5344-1	TO-15	24-FEB-25 10:14	BK			VTO15SL
JE5344-2	Collected: 05-FEB-25 08:55 By: JD		Received: 07-FEB-25 By: JK			
776-VMP-2_0225						
JE5344-2	TO-15	24-FEB-25 10:53	BK			VTO15SL
JE5344-3	Collected: 05-FEB-25 08:55 By: JD		Received: 07-FEB-25 By: JK			
776-VMP-2_0225-A						
JE5344-3	TO-15	24-FEB-25 11:32	BK			VTO15SL
JE5344-4	Collected: 05-FEB-25 09:05 By: JD		Received: 07-FEB-25 By: JK			
776-VMP-3_0225						
JE5344-4	TO-15	24-FEB-25 12:10	BK			VTO15SL
JE5344-5	Collected: 05-FEB-25 09:02 By: JD		Received: 07-FEB-25 By: JK			
776-IA_1_0225						
JE5344-5	TO-15 (BY SIM)	16-FEB-25 13:46	BK			VTO15SIMSL
JE5344-6	Collected: 05-FEB-25 08:16 By: JD		Received: 07-FEB-25 By: JK			
776-OA-1_0225						
JE5344-6	TO-15	24-FEB-25 12:49	BK			VTO15SL
JE5344-7	Collected: 05-FEB-25 08:10 By: JD		Received: 07-FEB-25 By: JK			
774-VMP-1_0225						
JE5344-7	TO-15	24-FEB-25 13:28	BK			VTO15SL
JE5344-8	Collected: 05-FEB-25 08:02 By: JD		Received: 07-FEB-25 By: JK			
774-VMP-2_0225						
JE5344-8	TO-15	24-FEB-25 14:07	BK			VTO15SL

Internal Sample Tracking Chronicle

Bhate Environmental Associates, Inc.

Job No: JE5344

BECOS Former Griffiss AFB, Rome, NY

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE5344-9	Collected: 05-FEB-25 07:54 By: JD		Received: 07-FEB-25 By: JK			
774-VMP-3_0225						
JE5344-9	TO-15	24-FEB-25 14:45	BK			VTO15SL
JE5344-10	Collected: 05-FEB-25 07:59 By: JD		Received: 07-FEB-25 By: JK			
774-IA-1_0225						
JE5344-10	TO-15 (BY SIM)	16-FEB-25 14:28	BK			VTO15SIMSL

SGS Internal Chain of Custody

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Received: 02/07/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE5344-1.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-1.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-2.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-2.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-3.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-3.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-4.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-4.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-5.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-5.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-6.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-6.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-7.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-7.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-8.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-8.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-9.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-9.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-10.1	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage
JE5344-10.2	Joe Waddington	Secured Storage	02/07/25 17:17	Return to Storage

QC Evaluation: DOD QSM5.x Limits

Job Number: JE5344
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 02/05/25

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V7W457	TO-15						
V7W457-BS	67-64-1	Acetone (2-Propanone)	BSP	REC	87	%	58-128
V7W457-BS	106-99-0	1,3-Butadiene	BSP	REC	105	%	66-134
V7W457-BS	71-43-2	Benzene	BSP	REC	102	%	69-119
V7W457-BS	75-27-4	Bromodichloromethane	BSP	REC	107	%	72-128
V7W457-BS	75-25-2	Bromoform	BSP	REC	124	%	66-139
V7W457-BS	74-83-9	Bromomethane	BSP	REC	108	%	63-134
V7W457-BS	100-44-7	Benzyl Chloride	BSP	REC	82	%	50-147
V7W457-BS	75-15-0	Carbon disulfide	BSP	REC	107	%	57-134
V7W457-BS	108-90-7	Chlorobenzene	BSP	REC	115	%	70-119
V7W457-BS	75-00-3	Chloroethane	BSP	REC	111	%	63-127
V7W457-BS	67-66-3	Chloroform	BSP	REC	101	%	68-123
V7W457-BS	74-87-3	Chloromethane	BSP	REC	102	%	59-132
V7W457-BS	56-23-5	Carbon tetrachloride	BSP	REC	101	%	68-132
V7W457-BS	75-34-3	1,1-Dichloroethane	BSP	REC	106	%	68-126
V7W457-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	102	%	61-133
V7W457-BS	106-93-4	1,2-Dibromoethane (EDB)	BSP	REC	112	%	74-122
V7W457-BS	107-06-2	1,2-Dichloroethane	BSP	REC	95	%	65-128
V7W457-BS	78-87-5	1,2-Dichloropropane	BSP	REC	110	%	69-123
V7W457-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	100	%	59-128
V7W457-BS	124-48-1	Dibromochloromethane	BSP	REC	113	%	70-130
V7W457-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	106	%	67-124
V7W457-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	107	%	70-121
V7W457-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	103	%	70-128
V7W457-BS	541-73-1	m-Dichlorobenzene	BSP	REC	117	%	65-130
V7W457-BS	95-50-1	o-Dichlorobenzene	BSP	REC	115	%	63-129
V7W457-BS	106-46-7	p-Dichlorobenzene	BSP	REC	117	%	60-131
V7W457-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	97	%	75-133
V7W457-BS	100-41-4	Ethylbenzene	BSP	REC	104	%	70-124
V7W457-BS	622-96-8	4-Ethyltoluene	BSP	REC	110	%	67-129
V7W457-BS	76-13-1	Freon 113	BSP	REC	111	%	66-126
V7W457-BS	87-68-3	Hexachlorobutadiene	BSP	REC	121	%	56-138
V7W457-BS	591-78-6	2-Hexanone	BSP	REC	95	%	62-128
V7W457-BS	75-09-2	Methylene chloride	BSP	REC	100	%	62-115
V7W457-BS	78-93-3	Methyl ethyl ketone	BSP	REC	104	%	67-130
V7W457-BS	108-10-1	Methyl Isobutyl Ketone	BSP	REC	106	%	67-130
V7W457-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	94	%	66-126
V7W457-BS	91-20-3	Naphthalene	BSP	REC	111	%	57-138
V7W457-BS	100-42-5	Styrene	BSP	REC	115	%	73-127
V7W457-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	97	%	68-125
V7W457-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	115	%	65-127
V7W457-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	110	%	73-119
V7W457-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	118	%	55-142

* Sample used for QC is not from job JE5344

QC Evaluation: DOD QSM5.x Limits

Job Number: JE5344
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 02/05/25

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V7W457-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	108	%	66-132
V7W457-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	108	%	67-130
V7W457-BS	127-18-4	Tetrachloroethylene	BSP	REC	114	%	66-124
V7W457-BS	108-88-3	Toluene	BSP	REC	104	%	66-119
V7W457-BS	79-01-6	Trichloroethylene	BSP	REC	109	%	71-123
V7W457-BS	75-69-4	Trichlorofluoromethane	BSP	REC	97	%	62-126
V7W457-BS	75-01-4	Vinyl chloride	BSP	REC	116	%	64-127
V7W457-BS	108-05-4	Vinyl Acetate	BSP	REC	96	%	56-139
V7W457-BS		m,p-Xylene	BSP	REC	105	%	61-134
V7W457-BS	95-47-6	o-Xylene	BSP	REC	105	%	67-125
V7W457-BSD	67-64-1	Acetone (2-Propanone)	BSD	REC	84	%	58-128
V7W457-BSD	106-99-0	1,3-Butadiene	BSD	REC	99	%	66-134
V7W457-BSD	71-43-2	Benzene	BSD	REC	99	%	69-119
V7W457-BSD	75-27-4	Bromodichloromethane	BSD	REC	104	%	72-128
V7W457-BSD	75-25-2	Bromoform	BSD	REC	119	%	66-139
V7W457-BSD	74-83-9	Bromomethane	BSD	REC	105	%	63-134
V7W457-BSD	100-44-7	Benzyl Chloride	BSD	REC	81	%	50-147
V7W457-BSD	75-15-0	Carbon disulfide	BSD	REC	103	%	57-134
V7W457-BSD	108-90-7	Chlorobenzene	BSD	REC	111	%	70-119
V7W457-BSD	75-00-3	Chloroethane	BSD	REC	109	%	63-127
V7W457-BSD	67-66-3	Chloroform	BSD	REC	99	%	68-123
V7W457-BSD	74-87-3	Chloromethane	BSD	REC	98	%	59-132
V7W457-BSD	56-23-5	Carbon tetrachloride	BSD	REC	98	%	68-132
V7W457-BSD	75-34-3	1,1-Dichloroethane	BSD	REC	102	%	68-126
V7W457-BSD	75-35-4	1,1-Dichloroethylene	BSD	REC	98	%	61-133
V7W457-BSD	106-93-4	1,2-Dibromoethane (EDB)	BSD	REC	109	%	74-122
V7W457-BSD	107-06-2	1,2-Dichloroethane	BSD	REC	93	%	65-128
V7W457-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	108	%	69-123
V7W457-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC	97	%	59-128
V7W457-BSD	124-48-1	Dibromochloromethane	BSD	REC	110	%	70-130
V7W457-BSD	156-60-5	trans-1,2-Dichloroethylene	BSD	REC	103	%	67-124
V7W457-BSD	156-59-2	cis-1,2-Dichloroethylene	BSD	REC	105	%	70-121
V7W457-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	100	%	70-128
V7W457-BSD	541-73-1	m-Dichlorobenzene	BSD	REC	115	%	65-130
V7W457-BSD	95-50-1	o-Dichlorobenzene	BSD	REC	113	%	63-129
V7W457-BSD	106-46-7	p-Dichlorobenzene	BSD	REC	115	%	60-131
V7W457-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	94	%	75-133
V7W457-BSD	100-41-4	Ethylbenzene	BSD	REC	101	%	70-124
V7W457-BSD	622-96-8	4-Ethyltoluene	BSD	REC	108	%	67-129
V7W457-BSD	76-13-1	Freon 113	BSD	REC	108	%	66-126
V7W457-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	119	%	56-138
V7W457-BSD	591-78-6	2-Hexanone	BSD	REC	92	%	62-128
V7W457-BSD	75-09-2	Methylene chloride	BSD	REC	96	%	62-115
V7W457-BSD	78-93-3	Methyl ethyl ketone	BSD	REC	102	%	67-130
V7W457-BSD	108-10-1	Methyl Isobutyl Ketone	BSD	REC	103	%	67-130

* Sample used for QC is not from job JE5344

QC Evaluation: DOD QSM5.x Limits

Job Number: JE5344
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 02/05/25

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V7W457-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	92	%	66-126
V7W457-BSD	91-20-3	Naphthalene	BSD	REC	106	%	57-138
V7W457-BSD	100-42-5	Styrene	BSD	REC	112	%	73-127
V7W457-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	94	%	68-125
V7W457-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	112	%	65-127
V7W457-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	107	%	73-119
V7W457-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	116	%	55-142
V7W457-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	105	%	66-132
V7W457-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	106	%	67-130
V7W457-BSD	127-18-4	Tetrachloroethylene	BSD	REC	111	%	66-124
V7W457-BSD	108-88-3	Toluene	BSD	REC	102	%	66-119
V7W457-BSD	79-01-6	Trichloroethylene	BSD	REC	106	%	71-123
V7W457-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	94	%	62-126
V7W457-BSD	75-01-4	Vinyl chloride	BSD	REC	112	%	64-127
V7W457-BSD	108-05-4	Vinyl Acetate	BSD	REC	95	%	56-139
V7W457-BSD		m,p-Xylene	BSD	REC	102	%	61-134
V7W457-BSD	95-47-6	o-Xylene	BSD	REC	102	%	67-125
JE5794-8DUP*	67-64-1	Acetone (2-Propanone)	DUP	RPD	0	%	20
JE5794-8DUP*	106-99-0	1,3-Butadiene	DUP	RPD	0	%	20
JE5794-8DUP*	71-43-2	Benzene	DUP	RPD	0	%	20
JE5794-8DUP*	75-27-4	Bromodichloromethane	DUP	RPD	0	%	20
JE5794-8DUP*	75-25-2	Bromoform	DUP	RPD	0	%	20
JE5794-8DUP*	74-83-9	Bromomethane	DUP	RPD	0	%	20
JE5794-8DUP*	100-44-7	Benzyl Chloride	DUP	RPD	0	%	20
JE5794-8DUP*	75-15-0	Carbon disulfide	DUP	RPD	0	%	20
JE5794-8DUP*	108-90-7	Chlorobenzene	DUP	RPD	0	%	20
JE5794-8DUP*	75-00-3	Chloroethane	DUP	RPD	0	%	20
JE5794-8DUP*	67-66-3	Chloroform	DUP	RPD	0	%	20
JE5794-8DUP*	74-87-3	Chloromethane	DUP	RPD	0	%	20
JE5794-8DUP*	56-23-5	Carbon tetrachloride	DUP	RPD	1	%	20
JE5794-8DUP*	75-34-3	1,1-Dichloroethane	DUP	RPD	0	%	20
JE5794-8DUP*	75-35-4	1,1-Dichloroethylene	DUP	RPD	0	%	20
JE5794-8DUP*	106-93-4	1,2-Dibromoethane (EDB)	DUP	RPD	0	%	20
JE5794-8DUP*	107-06-2	1,2-Dichloroethane	DUP	RPD	0	%	20
JE5794-8DUP*	78-87-5	1,2-Dichloropropane	DUP	RPD	0	%	20
JE5794-8DUP*	75-71-8	Dichlorodifluoromethane	DUP	RPD	0	%	20
JE5794-8DUP*	124-48-1	Dibromochloromethane	DUP	RPD	0	%	20
JE5794-8DUP*	156-60-5	trans-1,2-Dichloroethylene	DUP	RPD	0	%	20
JE5794-8DUP*	156-59-2	cis-1,2-Dichloroethylene	DUP	RPD	0	%	20
JE5794-8DUP*	10061-01-5	cis-1,3-Dichloropropene	DUP	RPD	0	%	20
JE5794-8DUP*	541-73-1	m-Dichlorobenzene	DUP	RPD	0	%	20
JE5794-8DUP*	95-50-1	o-Dichlorobenzene	DUP	RPD	0	%	20
JE5794-8DUP*	106-46-7	p-Dichlorobenzene	DUP	RPD	0	%	20
JE5794-8DUP*	10061-02-6	trans-1,3-Dichloropropene	DUP	RPD	0	%	20
JE5794-8DUP*	100-41-4	Ethylbenzene	DUP	RPD	0	%	20

* Sample used for QC is not from job JE5344

QC Evaluation: DOD QSM5.x Limits

Job Number: JE5344
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 02/05/25

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
JE5794-8DUP*	622-96-8	4-Ethyltoluene	DUP	RPD	0	%	20
JE5794-8DUP*	76-13-1	Freon 113	DUP	RPD	0	%	20
JE5794-8DUP*	87-68-3	Hexachlorobutadiene	DUP	RPD	0	%	20
JE5794-8DUP*	591-78-6	2-Hexanone	DUP	RPD	0	%	20
JE5794-8DUP*	75-09-2	Methylene chloride	DUP	RPD	0	%	20
JE5794-8DUP*	78-93-3	Methyl ethyl ketone	DUP	RPD	0	%	20
JE5794-8DUP*	108-10-1	Methyl Isobutyl Ketone	DUP	RPD	0	%	20
JE5794-8DUP*	1634-04-4	Methyl Tert Butyl Ether	DUP	RPD	0	%	20
JE5794-8DUP*	91-20-3	Naphthalene	DUP	RPD	0	%	20
JE5794-8DUP*	100-42-5	Styrene	DUP	RPD	0	%	20
JE5794-8DUP*	71-55-6	1,1,1-Trichloroethane	DUP	RPD	1	%	20
JE5794-8DUP*	79-34-5	1,1,2,2-Tetrachloroethane	DUP	RPD	0	%	20
JE5794-8DUP*	79-00-5	1,1,2-Trichloroethane	DUP	RPD	0	%	20
JE5794-8DUP*	120-82-1	1,2,4-Trichlorobenzene	DUP	RPD	0	%	20
JE5794-8DUP*	95-63-6	1,2,4-Trimethylbenzene	DUP	RPD	0	%	20
JE5794-8DUP*	108-67-8	1,3,5-Trimethylbenzene	DUP	RPD	0	%	20
JE5794-8DUP*	127-18-4	Tetrachloroethylene	DUP	RPD	0	%	20
JE5794-8DUP*	108-88-3	Toluene	DUP	RPD	1	%	20
JE5794-8DUP*	79-01-6	Trichloroethylene	DUP	RPD	2	%	20
JE5794-8DUP*	75-69-4	Trichlorofluoromethane	DUP	RPD	0	%	20
JE5794-8DUP*	75-01-4	Vinyl chloride	DUP	RPD	0	%	20
JE5794-8DUP*	108-05-4	Vinyl Acetate	DUP	RPD	0	%	20
JE5794-8DUP*		m,p-Xylene	DUP	RPD	0	%	20
JE5794-8DUP*	95-47-6	o-Xylene	DUP	RPD	0	%	20

* Sample used for QC is not from job JE5344

METHODREF	LOGINNUM	DATE RECALC	INSTRUME	PARM_STORED	PARM_SYN	MDLVALUE CURRENT	RDL	UNITS
TO-15	JD57260	5/22/2024	GCMS8W	120-82-1	1,2,4-Trichlorobenzene	0.121	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	541-73-1	m-Dichlorobenzene	0.132	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	91-20-3	Naphthalene	0.127	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	127-18-4	Tetrachloroethylene	0.014	0.04	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	79-01-6	Trichloroethylene	0.019	0.04	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	71-55-6	1,1,1-Trichloroethane	0.078	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-00-5	1,1,2-Trichloroethane	0.038	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-34-3	1,1-Dichloroethane	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-35-4	1,1-Dichloroethylene	0.059	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	96-18-4	1,2,3-Trichloropropane	0.050	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-63-6	1,2,4-Trimethylbenzene	0.087	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-93-4	1,2-Dibromoethane (EDB)	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-06-2	1,2-Dichloroethane	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	78-87-5	1,2-Dichloropropane	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-67-8	1,3,5-Trimethylbenzene	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-99-0	1,3-Butadiene	0.084	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	142-28-9	1,3-Dichloropropane	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	123-91-1	1,4-Dioxane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	540-84-1	2,2,4-Trimethylpentane	0.040	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	565-59-3	2,3-Dimethylpentane	0.036	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-08-7	2,4-Dimethylpentane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-49-8	2-Chlorotoluene	0.072	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	591-78-6	2-Hexanone	0.145	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-05-1	3-Chloropropene	0.083	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	622-96-8	4-Ethyltoluene	0.095	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-64-1	Acetone (2-Propanone)	0.145	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-05-8	Acetonitrile	0.171	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-02-8	Acrolein	0.088	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-13-1	Acrylonitrile	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	71-43-2	Benzene	0.047	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-44-7	Benzyl Chloride	0.125	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-86-1	Bromobenzene	0.055	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-27-4	Bromodichloromethane	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	593-60-2	Bromoethene	0.061	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-25-2	Bromoform	0.071	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-83-9	Bromomethane	0.069	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-15-0	Carbon disulfide	0.045	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	56-23-5	Carbon tetrachloride	0.040	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-90-7	Chlorobenzene	0.074	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-45-6	Chlorodifluoromethane	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-00-3	Chloroethane	0.068	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-66-3	Chloroform	0.037	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-87-3	Chloromethane	0.090	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-38-9	Chlorotrifluoroethene	0.059	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	156-59-2	cis-1,2-Dichloroethylene	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	10061-01-5	cis-1,3-Dichloropropene	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	110-82-7	Cyclohexane	0.045	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	124-48-1	Dibromochloromethane	0.052	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-95-3	Dibromomethane	0.053	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-71-8	Dichlorodifluoromethane	0.104	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-43-4	Dichlorofluoromethane	0.066	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-20-3	Di-Isopropyl ether	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	64-17-5	Ethanol	0.394	0.5	ppbv

TO-15	JD57260	5/22/2024	GCMS7W	141-78-6	Ethyl Acetate	0.104	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	140-88-5	Ethyl Acrylate	0.105	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-41-4	Ethylbenzene	0.061	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	76-13-1	Freon 113	0.031	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	76-14-2	Freon 114	0.050	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	306-83-2	Freon 123	0.035	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	354-23-4	Freon 123A	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-68-3	Freon 142B	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-37-6	Freon 152A	0.060	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	142-82-5	Heptane	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	87-68-3	Hexachlorobutadiene	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	67-72-1	Hexachloroethane	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	110-54-3	Hexane	0.052	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-88-4	Iodomethane	0.037	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-63-0	Isopropyl Alcohol	0.141	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	98-82-8	Isopropylbenzene	0.064	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	M,P-XYLENE	m,p-Xylene	0.139	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	78-93-3	Methyl ethyl ketone	0.110	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-10-1	Methyl Isobutyl Ketone	0.073	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	1634-04-4	Methyl Tert Butyl Ether	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-09-2	Methylene chloride	0.133	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	80-62-6	Methylmethacrylate	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-97-8	n-Butane	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	104-51-8	n-Butylbenzene	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	111-84-2	Nonane	0.100	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	103-65-1	n-Propylbenzene	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	111-65-9	Octane	0.120	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-50-1	o-Dichlorobenzene	0.069	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-47-6	o-Xylene	0.077	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-46-7	p-Dichlorobenzene	0.079	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	109-66-0	Pentane	0.138	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	99-87-6	p-Isopropyltoluene	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	115-07-1	Propylene	0.142	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	135-98-8	sec-Butylbenzene	0.081	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-42-5	Styrene	0.053	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	98-06-6	tert-Butylbenzene	0.083	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-65-0	Tertiary Butyl Alcohol	0.093	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	109-99-9	Tetrahydrofuran	0.090	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-88-3	Toluene	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	156-60-5	trans-1,2-Dichloroethylene	0.028	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	10061-02-6	trans-1,3-Dichloropropene	0.101	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-69-4	Trichlorofluoromethane	0.154	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	C AS EQUIV PENT	TVHC As Equiv Pentane	0.136	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-05-4	Vinyl Acetate	0.112	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-01-4	Vinyl chloride	0.069	0.2	ppbv

METHODREF	LOGINNUM	DATE RECALC	INSTRUME	PARM_STC	PARM_SYN	MDLVALUE CURRENT	RDL	UNITS
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	71-55-6	1,1,1-Trichloroethane	0.0009	0.002	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	79-34-5	1,1,2,2-Tetrachloroethan	0.0010	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	79-00-5	1,1,2-Trichloroethane	0.0014	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	75-34-3	1,1-Dichloroethane	0.0006	0.2	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	75-35-4	1,1-Dichloroethylene	0.0010	0.002	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	106-93-4	1,2-Dibromoethane	0.0011	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	107-06-2	1,2-Dichloroethane	0.0014	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	78-87-5	1,2-Dichloropropane	0.0014	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	71-43-2	Benzene	0.0037	0.01	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	75-27-4	Bromodichloromethane	0.0011	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	56-23-5	Carbon tetrachloride	0.0016	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	67-66-3	Chloroform	0.0006	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	124-48-1	Dibromochloromethane	0.0006	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	91-20-3	Naphthalene	0.0039	0.02	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	127-18-4	Tetrachloroethylene	0.0012	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	79-01-6	Trichloroethylene	0.0010	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	75-01-4	Vinyl chloride	0.0006	0.002	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	156-59-2	cis-1,2-Dichloroethylene	0.0009	0.2	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	10061-01-5	cis-1,3-Dichloropropene	0.0017	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	541-73-1	m-Dichlorobenzene	0.0015	0.002	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	95-50-1	o-Dichlorobenzene	0.0012	0.005	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	106-46-7	p-Dichlorobenzene	0.0006	0.002	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	156-60-5	trans-1,2-Dichloroethyler	0.0008	0.2	ppbv
TO-15 (BY SIM)	JD37747	2/19/2024	GCMS6W	10061-02-6	trans-1,3-Dichloropropen	0.0009	0.005	ppbv
TO-15 (BY SIM)	JD76508	2/19/2024	GCMS6W	108-90-7	Chlorobenzene	0.0008	0.005	ppbv
TO-15 (BY SIM)	JD76508	2/19/2024	GCMS6W	75-09-2	Methylene chloride	0.0064	0.05	ppbv
TO-15 (BY SIM)	JD76508	2/19/2024	GCMS6W	108-88-3	Toluene	0.0019	0.02	ppbv

MS Volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W457-MB	7W12943.D	1	02/23/25	BK	n/a	n/a	V7W457

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

JE5344-1, JE5344-2, JE5344-3, JE5344-4, JE5344-6, JE5344-7, JE5344-8, JE5344-9

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W457-MB	7W12943.D	1	02/23/25	BK	n/a	n/a	V7W457

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

JE5344-1, JE5344-2, JE5344-3, JE5344-4, JE5344-6, JE5344-7, JE5344-8, JE5344-9

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	65-128%

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

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-MB	7W11822.D	1	01/16/25	WC	n/a	n/a	V7W423

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

V7W423-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-MB	7W11822.D	1	01/16/25	WC	n/a	n/a	V7W423

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

V7W423-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	104%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.58	1.5	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-MB	7W11934.D	1	01/20/25	BK	n/a	n/a	V7W426

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

V7W426-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-MB	7W11934.D	1	01/20/25	BK	n/a	n/a	V7W426

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

V7W426-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W427-MB	7W11971.D	1	01/21/25	WC	n/a	n/a	V7W427

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

V7W427-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W427-MB	7W11971.D	1	01/21/25	WC	n/a	n/a	V7W427

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

V7W427-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.58	3.9	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-MB	5W56377.D	1	01/24/25	WC	n/a	n/a	V5W2159

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

V5W2159-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-MB	5W56377.D	1	01/24/25	WC	n/a	n/a	V5W2159

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

V5W2159-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	117%	65-128%

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1450-MB	6W34961.D	1	02/16/25	BK	n/a	n/a	V6W1450

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

JE5344-5, JE5344-10

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.00090	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.0064	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.00090	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.00095	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	65-128%

Method Blank Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1442-MB	6W34753.D	1	01/30/25	BK	n/a	n/a	V6W1442

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

V6W1442-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.0023	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.0064	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W457-BS	7W12940.D	1	02/23/25	BK	n/a	n/a	V7W457
V7W457-BSD	7W12941.D	1	02/23/25	BK	n/a	n/a	V7W457

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

JE5344-1, JE5344-2, JE5344-3, JE5344-4, JE5344-6, JE5344-7, JE5344-8, JE5344-9

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.0	87	8.7	84	3	70-130/30
106-99-0	1,3-Butadiene	10.8	11.3	105	10.7	99	5	70-130/30
71-43-2	Benzene	11	11.2	102	10.9	99	3	70-130/30
75-27-4	Bromodichloromethane	10.5	11.2	107	10.9	104	3	70-130/30
75-25-2	Bromoform	10.7	13.3	124	12.7	119	5	70-130/30
74-83-9	Bromomethane	10.5	11.3	108	11.0	105	3	70-130/30
100-44-7	Benzyl Chloride	10.4	8.5	82	8.4	81	1	70-130/30
75-15-0	Carbon disulfide	10.6	11.3	107	10.9	103	4	70-130/30
108-90-7	Chlorobenzene	10.8	12.4	115	12.0	111	3	70-130/30
75-00-3	Chloroethane	10.4	11.5	111	11.3	109	2	70-130/30
67-66-3	Chloroform	10.8	10.9	101	10.7	99	2	70-130/30
74-87-3	Chloromethane	10.4	10.6	102	10.2	98	4	70-130/30
56-23-5	Carbon tetrachloride	10.8	10.9	101	10.6	98	3	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.3	106	10.9	102	4	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.9	102	10.5	98	4	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.3	112	12.0	109	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	10.4	95	10.1	93	3	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.6	110	11.3	108	3	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.6	100	10.3	97	3	70-130/30
124-48-1	Dibromochloromethane	10.5	11.9	113	11.5	110	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.1	106	10.8	103	3	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.4	107	11.2	105	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.0	103	10.7	100	3	70-130/30
541-73-1	m-Dichlorobenzene	10.4	12.2	117	12.0	115	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	12.3	115	12.1	113	2	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.8	117	12.5	115	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	9.9	97	9.6	94	3	70-130/30
100-41-4	Ethylbenzene	11	11.4	104	11.1	101	3	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.0	110	11.8	108	2	70-130/30
76-13-1	Freon 113	10.6	11.8	111	11.4	108	3	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.1	121	12.9	119	2	70-130/30
591-78-6	2-Hexanone	10.6	10.1	95	9.8	92	3	70-130/30
75-09-2	Methylene chloride	10.5	10.5	100	10.1	96	4	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.2	104	11.0	102	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.5	106	11.1	103	4	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	10.2	94	9.9	92	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W457-BS	7W12940.D	1	02/23/25	BK	n/a	n/a	V7W457
V7W457-BSD	7W12941.D	1	02/23/25	BK	n/a	n/a	V7W457

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

JE5344-1, JE5344-2, JE5344-3, JE5344-4, JE5344-6, JE5344-7, JE5344-8, JE5344-9

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	12.1	111	11.5	106	5	70-130/30
100-42-5	Styrene	11	12.6	115	12.3	112	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.5	97	10.2	94	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.5	115	12.2	112	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.8	110	11.4	107	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	12.9	118	12.6	116	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	11.9	108	11.6	105	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.8	108	11.6	106	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.4	114	12.1	111	2	70-130/30
108-88-3	Toluene	10.6	11.0	104	10.8	102	2	70-130/30
79-01-6	Trichloroethylene	10.5	11.4	109	11.1	106	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.3	97	10.0	94	3	70-130/30
75-01-4	Vinyl chloride	10.3	11.9	116	11.5	112	3	70-130/30
108-05-4	Vinyl Acetate	10.4	10.0	96	9.9	95	1	70-130/30
	m,p-Xylene	21.4	22.5	105	21.9	102	3	70-130/30
95-47-6	o-Xylene	10.9	11.4	105	11.1	102	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	103%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-BS	7W11819.D	1	01/16/25	WC	n/a	n/a	V7W423
V7W423-BSD	7W11820.D	1	01/16/25	WC	n/a	n/a	V7W423

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

V7W423-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.5	83	8.4	82	1	70-130/30
106-99-0	1,3-Butadiene	10.8	10.4	96	10.3	95	1	70-130/30
71-43-2	Benzene	11	11.4	104	11.4	104	0	70-130/30
75-27-4	Bromodichloromethane	10.5	11.4	109	11.5	110	1	70-130/30
75-25-2	Bromoform	10.7	10.5	98	10.4	97	1	70-130/30
74-83-9	Bromomethane	10.5	11.8	112	11.6	110	2	70-130/30
100-44-7	Benzyl Chloride	10.4	8.9	86	8.9	86	0	70-130/30
75-15-0	Carbon disulfide	10.6	13.3	125	13.3	125	0	70-130/30
108-90-7	Chlorobenzene	10.8	11.2	104	11.3	105	1	70-130/30
75-00-3	Chloroethane	10.4	11.8	113	11.6	112	2	70-130/30
67-66-3	Chloroform	10.8	11.8	109	11.8	109	0	70-130/30
74-87-3	Chloromethane	10.4	10.2	98	10.3	99	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	10.6	98	10.6	98	0	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.2	105	9.8	92	13	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.3	106	11.0	103	3	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.4	104	11.5	105	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.7	107	11.7	107	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.0	105	11.1	106	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.2	115	12.7	120	4	70-130/30
124-48-1	Dibromochloromethane	10.5	10.4	99	10.4	99	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.5	110	9.6	91	18	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.1	104	11.1	104	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.2	105	11.2	105	0	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.8	104	10.8	104	0	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.1	104	11.2	105	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.4	105	11.4	105	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.2	100	10.1	99	1	70-130/30
100-41-4	Ethylbenzene	11	11.0	100	11.1	101	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.6	106	11.8	108	2	70-130/30
76-13-1	Freon 113	10.6	11.4	108	11.4	108	0	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.7	127	13.1	121	4	70-130/30
591-78-6	2-Hexanone	10.6	9.4	89	9.4	89	0	70-130/30
75-09-2	Methylene chloride	10.5	11.2	107	11.1	106	1	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.5	106	11.6	107	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.5	97	10.6	98	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	10.7	99	9.5	88	12	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-BS	7W11819.D	1	01/16/25	WC	n/a	n/a	V7W423
V7W423-BSD	7W11820.D	1	01/16/25	WC	n/a	n/a	V7W423

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

V7W423-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	12.9	118	12.4	114	4	70-130/30
100-42-5	Styrene	11	11.6	105	11.7	106	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.8	100	10.9	101	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.6	116	12.5	115	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.5	107	11.5	107	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.1	120	12.9	118	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.2	111	12.1	110	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.6	106	11.6	106	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	10.6	97	10.7	98	1	70-130/30
108-88-3	Toluene	10.6	10.6	100	10.7	101	1	70-130/30
79-01-6	Trichloroethylene	10.5	11.0	105	11.0	105	0	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.8	111	11.8	111	0	70-130/30
75-01-4	Vinyl chloride	10.3	12.2	118	11.9	116	2	70-130/30
108-05-4	Vinyl Acetate	10.4	9.8	94	9.4	90	4	70-130/30
	m,p-Xylene	21.4	22.2	104	22.2	104	0	70-130/30
95-47-6	o-Xylene	10.9	11.3	104	11.3	104	0	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	107%	107%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-BS	7W11931.D	1	01/20/25	BK	n/a	n/a	V7W426
V7W426-BSD	7W11932.D	1	01/20/25	BK	n/a	n/a	V7W426

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

V7W426-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	8.7	84	10	70-130/30
106-99-0	1,3-Butadiene	10.8	11.7	108	11.5	106	2	70-130/30
71-43-2	Benzene	11	11.9	108	11.7	106	2	70-130/30
75-27-4	Bromodichloromethane	10.5	12.0	114	11.7	111	3	70-130/30
75-25-2	Bromoform	10.7	11.3	106	11.0	103	3	70-130/30
74-83-9	Bromomethane	10.5	12.7	121	12.4	118	2	70-130/30
100-44-7	Benzyl Chloride	10.4	9.2	88	9.1	88	1	70-130/30
75-15-0	Carbon disulfide	10.6	13.9	131* [a]	13.6	128	2	70-130/30
108-90-7	Chlorobenzene	10.8	11.6	107	11.4	106	2	70-130/30
75-00-3	Chloroethane	10.4	12.9	124	12.6	121	2	70-130/30
67-66-3	Chloroform	10.8	12.3	114	12.0	111	2	70-130/30
74-87-3	Chloromethane	10.4	11.8	113	11.3	109	4	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.1	103	10.9	101	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	10.2	95	11.6	108	13	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.5	107	11.4	107	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.9	108	11.7	106	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.3	113	12.0	110	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.4	109	11.4	109	0	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	13.2	125	12.9	122	2	70-130/30
124-48-1	Dibromochloromethane	10.5	10.9	104	10.7	102	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.1	106	11.3	108	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.6	108	11.3	106	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.6	108	11.4	107	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.3	109	11.0	106	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.6	108	11.3	106	3	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.8	108	11.6	106	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.5	103	10.4	102	1	70-130/30
100-41-4	Ethylbenzene	11	11.4	104	11.2	102	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.0	110	11.9	109	1	70-130/30
76-13-1	Freon 113	10.6	12.1	114	11.6	109	4	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.7	127	13.3	123	3	70-130/30
591-78-6	2-Hexanone	10.6	9.8	92	9.6	91	2	70-130/30
75-09-2	Methylene chloride	10.5	11.6	110	11.4	109	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	10.9	101	11.8	109	8	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.0	102	10.9	101	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	9.6	89	11.0	102	14	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-BS	7W11931.D	1	01/20/25	BK	n/a	n/a	V7W426
V7W426-BSD	7W11932.D	1	01/20/25	BK	n/a	n/a	V7W426

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

V7W426-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	13.1	120	12.7	117	3	70-130/30
100-42-5	Styrene	11	12.1	110	11.8	107	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.3	105	11.1	103	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	13.1	120	12.8	117	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.9	111	11.8	110	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.3	122	12.9	118	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.7	115	12.4	113	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.0	110	11.8	108	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.2	103	10.9	100	3	70-130/30
108-88-3	Toluene	10.6	11.0	104	10.9	103	1	70-130/30
79-01-6	Trichloroethylene	10.5	11.3	108	11.3	108	0	70-130/30
75-69-4	Trichlorofluoromethane	10.6	13.1	124	12.1	114	8	70-130/30
75-01-4	Vinyl chloride	10.3	13.6	132* [a]	13.0	126	5	70-130/30
108-05-4	Vinyl Acetate	10.4	9.2	88	10.3	99	11	70-130/30
	m,p-Xylene	21.4	23.0	107	22.6	106	2	70-130/30
95-47-6	o-Xylene	10.9	11.8	108	11.5	106	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	108%	108%	65-128%

(a) Outside control limits. This compound is not reported in associated samples.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W427-BS	7W11968.D	1	01/21/25	WC	n/a	n/a	V7W427
V7W427-BSD	7W11969.D	1	01/21/25	WC	n/a	n/a	V7W427

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

V7W427-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.5	92	8.8	85	8	70-130/30
106-99-0	1,3-Butadiene	10.8	11.6	107	11.6	107	0	70-130/30
71-43-2	Benzene	11	11.9	108	12.0	109	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.9	113	12.0	114	1	70-130/30
75-25-2	Bromoform	10.7	11.2	105	11.3	106	1	70-130/30
74-83-9	Bromomethane	10.5	12.5	119	12.6	120	1	70-130/30
100-44-7	Benzyl Chloride	10.4	9.5	91	9.8	94	3	70-130/30
75-15-0	Carbon disulfide	10.6	14.2	134* [a]	14.1	133* [a]	1	70-130/30
108-90-7	Chlorobenzene	10.8	11.7	108	11.7	108	0	70-130/30
75-00-3	Chloroethane	10.4	12.8	123	12.8	123	0	70-130/30
67-66-3	Chloroform	10.8	12.2	113	12.4	115	2	70-130/30
74-87-3	Chloromethane	10.4	11.6	112	11.4	110	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.2	104	11.4	106	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.6	108	11.8	110	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.9	111	11.5	107	3	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.9	108	12.2	111	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.2	112	12.4	114	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.4	109	11.6	110	2	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	13.1	124	12.2	115	7	70-130/30
124-48-1	Dibromochloromethane	10.5	10.8	103	11.0	105	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.7	111	11.4	109	3	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.5	107	11.6	108	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.6	108	11.7	109	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.4	110	11.7	113	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.6	108	12.1	113	4	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.8	108	12.2	112	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.5	103	10.8	106	3	70-130/30
100-41-4	Ethylbenzene	11	11.5	105	11.6	105	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.1	111	12.4	114	2	70-130/30
76-13-1	Freon 113	10.6	12.0	113	12.1	114	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	14.1	131* [a]	15.5	144* [a]	9	70-130/30
591-78-6	2-Hexanone	10.6	9.8	92	10.3	97	5	70-130/30
75-09-2	Methylene chloride	10.5	12.0	114	11.7	111	3	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.9	110	12.0	111	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.9	101	11.5	106	5	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.1	103	11.3	105	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W427-BS	7W11968.D	1	01/21/25	WC	n/a	n/a	V7W427
V7W427-BSD	7W11969.D	1	01/21/25	WC	n/a	n/a	V7W427

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

V7W427-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	13.2	121	14.1	129	7	70-130/30
100-42-5	Styrene	11	12.1	110	12.4	113	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.3	105	11.5	106	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	13.1	120	13.3	122	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.9	111	12.0	112	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.5	124	14.7	135* [b]	9	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.7	115	13.1	119	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.0	110	12.4	114	3	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.3	104	11.4	105	1	70-130/30
108-88-3	Toluene	10.6	11.0	104	11.2	106	2	70-130/30
79-01-6	Trichloroethylene	10.5	11.3	108	11.4	109	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	12.9	122	12.2	115	6	70-130/30
75-01-4	Vinyl chloride	10.3	13.1	127	13.0	126	1	70-130/30
108-05-4	Vinyl Acetate	10.4	10.1	97	10.2	98	1	70-130/30
	m,p-Xylene	21.4	23.1	108	23.4	109	1	70-130/30
95-47-6	o-Xylene	10.9	11.8	108	12.0	110	2	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	108%	109%	65-128%

(a) Outside control limits. This compound is not reported in associated samples.
(b) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-BS	5W56372.D	1	01/24/25	WC	n/a	n/a	V5W2159
V5W2159-BSD	5W56373.D	1	01/24/25	WC	n/a	n/a	V5W2159

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

V5W2159-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	9.2	89	4	70-130/30
106-99-0	1,3-Butadiene	10.8	11.8	109	11.1	103	6	70-130/30
71-43-2	Benzene	11	10.5	95	10.6	96	1	70-130/30
75-27-4	Bromodichloromethane	10.5	9.7	92	9.8	93	1	70-130/30
75-25-2	Bromoform	10.7	12.5	117	12.7	119	2	70-130/30
74-83-9	Bromomethane	10.5	8.9	85	8.6	82	3	70-130/30
100-44-7	Benzyl Chloride	10.4	12.0	115	12.2	117	2	70-130/30
75-15-0	Carbon disulfide	10.6	10.6	100	10.5	99	1	70-130/30
108-90-7	Chlorobenzene	10.8	11.3	105	11.5	106	2	70-130/30
75-00-3	Chloroethane	10.4	8.6	83	8.2	79	5	70-130/30
67-66-3	Chloroform	10.8	10.2	94	10.3	95	1	70-130/30
74-87-3	Chloromethane	10.4	12.3	118	11.9	114	3	70-130/30
56-23-5	Carbon tetrachloride	10.8	10.7	99	10.8	100	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.7	109	11.8	110	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.6	99	10.6	99	0	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.8	116	13.0	118	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.5	106	11.6	106	1	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.9	104	11.0	105	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.7	101	10.2	96	5	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	11.8	112	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.8	103	10.7	102	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	10.7	100	10.8	101	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.2	105	11.3	106	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.5	111	11.7	113	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.5	107	11.8	110	3	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.0	110	12.1	111	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.3	101	10.5	103	2	70-130/30
100-41-4	Ethylbenzene	11	13.0	118	13.3	121	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	13.3	122	13.5	124	1	70-130/30
76-13-1	Freon 113	10.6	10.6	100	10.5	99	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	11.0	102	11.4	106	4	70-130/30
591-78-6	2-Hexanone	10.6	16.1	152* [a]	16.2	153* [a]	1	70-130/30
75-09-2	Methylene chloride	10.5	9.6	91	9.7	92	1	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.8	109	11.9	110	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	13.7	127	13.9	129	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.1	103	11.2	104	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-BS	5W56372.D	1	01/24/25	WC	n/a	n/a	V5W2159
V5W2159-BSD	5W56373.D	1	01/24/25	WC	n/a	n/a	V5W2159

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

V5W2159-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	13.3	122	13.6	125	2	70-130/30
100-42-5	Styrene	11	14.2	129	14.4	131* [a]	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.4	96	10.4	96	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.7	107	11.9	109	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	10.5	98	10.7	100	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	11.9	109	12.2	112	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	13.0	118	13.1	119	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	13.1	120	13.3	122	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.2	103	11.2	103	0	70-130/30
108-88-3	Toluene	10.6	10.8	102	11.1	105	3	70-130/30
79-01-6	Trichloroethylene	10.5	10	95	10.1	96	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.3	97	9.9	93	4	70-130/30
75-01-4	Vinyl chloride	10.3	9.6	93	9.2	89	4	70-130/30
108-05-4	Vinyl Acetate	10.4	12.8	123	12.9	124	1	70-130/30
	m,p-Xylene	21.4	25.4	119	25.9	121	2	70-130/30
95-47-6	o-Xylene	10.9	12.9	118	13.1	120	2	70-130/30

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

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1450-BS	6W34958.D	1	02/16/25	BK	n/a	n/a	V6W1450
V6W1450-BSD	6W34959.D	1	02/16/25	BK	n/a	n/a	V6W1450

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

JE5344-5, JE5344-10

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.11	0.10	91	0.10	91	0	70-130/30
56-23-5	Carbon tetrachloride	0.108	0.13	120	0.13	120	0	70-130/30
75-35-4	1,1-Dichloroethylene	0.107	0.12	112	0.092	86	26	70-130/30
156-59-2	cis-1,2-Dichloroethylene	0.107	0.093	87	0.089	83	4	70-130/30
75-09-2	Methylene chloride	0.105	0.13	124	0.11	105	17	70-130/30
71-55-6	1,1,1-Trichloroethane	0.108	0.12	111	0.11	102	9	70-130/30
127-18-4	Tetrachloroethylene	0.109	0.10	92	0.099	91	1	70-130/30
79-01-6	Trichloroethylene	0.105	0.096	91	0.096	91	0	70-130/30
75-01-4	Vinyl chloride	0.103	0.11	107	0.087	84	23	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	102%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1442-BS	6W34749.D	1	01/30/25	BK	n/a	n/a	V6W1442
V6W1442-BSD	6W34750.D	1	01/30/25	BK	n/a	n/a	V6W1442

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

V6W1442-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.11	0.10	91	0.11	100	10	70-130/30
56-23-5	Carbon tetrachloride	0.108	0.11	102	0.12	111	9	70-130/30
75-35-4	1,1-Dichloroethylene	0.107	0.12	112	0.13	121	8	70-130/30
156-59-2	cis-1,2-Dichloroethylene	0.107	0.11	103	0.11	103	0	70-130/30
75-09-2	Methylene chloride	0.105	0.12	114	0.13	124	8	70-130/30
71-55-6	1,1,1-Trichloroethane	0.108	0.11	102	0.11	102	0	70-130/30
127-18-4	Tetrachloroethylene	0.109	0.11	101	0.11	101	0	70-130/30
79-01-6	Trichloroethylene	0.105	0.095	90	0.097	92	2	70-130/30
75-01-4	Vinyl chloride	0.103	0.11	107	0.12	117	9	70-130/30

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

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE5794-8DUP	7W12951.D	1.55	02/24/25	BK	n/a	n/a	V7W457
JE5794-8	7W12950.D	1.55	02/24/25	BK	n/a	n/a	V7W457

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

JE5344-1, JE5344-2, JE5344-3, JE5344-4, JE5344-6, JE5344-7, JE5344-8, JE5344-9

CAS No.	Compound	JE5794-8 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	ND		ND		nc	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	1.5		1.5		0	25
74-87-3	Chloromethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	41.2		41.6		1	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
100-41-4	Ethylbenzene	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25
76-13-1	Freon 113	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
75-09-2	Methylene chloride	3.3		3.3		0	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE5794-8DUP	7W12951.D	1.55	02/24/25	BK	n/a	n/a	V7W457
JE5794-8	7W12950.D	1.55	02/24/25	BK	n/a	n/a	V7W457

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

JE5344-1, JE5344-2, JE5344-3, JE5344-4, JE5344-6, JE5344-7, JE5344-8, JE5344-9

CAS No.	Compound	JE5794-8 ppbv	Q	DUP ppbv	Q	RPD	Limits
91-20-3	Naphthalene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	15.1		15.3		1	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
108-88-3	Toluene	0.92		0.93		1	25
79-01-6	Trichloroethylene	33.6		34.2		2	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	ND		ND		nc	25
95-47-6	o-Xylene	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	JE5794-8	Limits
460-00-4	4-Bromofluorobenzene	101%	101%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE5461-4DUP	6W34971.D	1.48	02/16/25	BK	n/a	n/a	V6W1450
JE5461-4	6W34970.D	1.48	02/16/25	BK	n/a	n/a	V6W1450

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

JE5344-5, JE5344-10

CAS No.	Compound	JE5461-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
71-43-2	Benzene	1.5		1.5		0	17
56-23-5	Carbon tetrachloride	0.11		0.11		0	10
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
75-09-2	Methylene chloride	0.31		0.33		6	26
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
127-18-4	Tetrachloroethylene	0.0057		0.0057		0	17
79-01-6	Trichloroethylene	ND		ND		nc	13
75-01-4	Vinyl chloride	ND		ND		nc	20

CAS No.	Surrogate Recoveries	DUP	JE5461-4	Limits
460-00-4	4-Bromofluorobenzene	105%	105%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-SCC	7W11832.D	1	01/16/25	WC	n/a	n/a	V7W423

The QC reported here (Summa A458) applies to the following samples: **Method:** TO-15

Batch CP12973 cleaned 01/13/25: JE5344-9(A653)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-SCC	7W11832.D	1	01/16/25	WC	n/a	n/a	V7W423

The QC reported here (Summa A458) applies to the following samples: **Method:** TO-15

Batch CP12973 cleaned 01/13/25: JE5344-9(A653)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	65-128%

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-SCC	7W11949.D	1	01/20/25	BK	n/a	n/a	V7W426

The QC reported here (Summa M167) applies to the following samples: **Method:** TO-15

Batch CP12963 cleaned 01/04/25: JE5344-2(A1631), JE5344-4(M002)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide [a]	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-SCC	7W11949.D	1	01/20/25	BK	n/a	n/a	V7W426

The QC reported here (Summa M167) applies to the following samples: **Method:** TO-15

Batch CP12963 cleaned 01/04/25: JE5344-2(A1631), JE5344-4(M002)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride [a]	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	65-128%

(a) This compound in blank spike is outside in house QC limits bias high.

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W427-SCC	7W11992.D	1	01/22/25	WC	n/a	n/a	V7W427

The QC reported here (Summa A2157) applies to the following samples: **Method:** TO-15

Batch CP12980 cleaned 01/18/25: JE5344-7(M064)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W427-SCC	7W11992.D	1	01/22/25	WC	n/a	n/a	V7W427

The QC reported here (Summa A2157) applies to the following samples: **Method:** TO-15

Batch CP12980 cleaned 01/18/25: JE5344-7(M064)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-SCC	5W56382.D	1	01/24/25	WC	n/a	n/a	V5W2159

The QC reported here (Summa A243) applies to the following samples: **Method:** TO-15

Batch CP12974 cleaned 01/15/25: JE5344-1(A333)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-SCC	5W56382.D	1	01/24/25	WC	n/a	n/a	V5W2159

The QC reported here (Summa A243) applies to the following samples: **Method:** TO-15

Batch CP12974 cleaned 01/15/25: JE5344-1(A333)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	116%	65-128%

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-SCC	5W56385.D	1	01/24/25	WC	n/a	n/a	V5W2159

The QC reported here (Summa A1627) applies to the following samples: **Method:** TO-15

Batch CP12981 cleaned 01/20/25: JE5344-3(A247), JE5344-6(A1627), JE5344-8(A1337)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-SCC	5W56385.D	1	01/24/25	WC	n/a	n/a	V5W2159

The QC reported here (Summa A1627) applies to the following samples: **Method:** TO-15

Batch CP12981 cleaned 01/20/25: JE5344-3(A247), JE5344-6(A1627), JE5344-8(A1337)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	117%	65-128%

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1442-SCC	6W34756.D	1	01/30/25	BK	n/a	n/a	V6W1442

The QC reported here (Summa M237) applies to the following samples: **Method:** TO-15 (BY SIM)

Batch CP12980 cleaned 01/18/25: JE5344-10(M237)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.00090	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.0064	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.00090	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.00095	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

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

Summa Cleaning Certification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1442-SCC	6W34758.D	1	01/31/25	BK	n/a	n/a	V6W1442

The QC reported here (Summa A1735) applies to the following samples: **Method:** TO-15 (BY SIM)

Batch CP12978 cleaned 01/17/25: JE5344-5(A1735)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.00090	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.0064	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.00090	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.00095	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

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

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2144-BFB
Lab File ID: 5W55993.D
Instrument ID: GCMS5W
Injection Date: 01/08/25
Injection Time: 23:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	98517	19.3		Pass
75	30.0 - 66.0% of mass 95	249792	48.9		Pass
95	Base peak, 100% relative abundance	510763	100.0		Pass
96	5.0 - 9.0% of mass 95	33464	6.55		Pass
173	Less than 2.0% of mass 174	5620	1.10	(1.14) [a]	Pass
174	50.0 - 120.0% of mass 95	494933	96.9		Pass
175	4.0 - 9.01% of mass 174	36869	7.22	(7.45) [a]	Pass
176	93.0 - 101.0% of mass 174	482155	94.4	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	31496	6.17	(6.53) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2144-IC2144	5W55994.D	01/09/25	00:36	00:40	Initial cal 0.04
V5W2144-IC2144	5W55995.D	01/09/25	01:16	01:20	Initial cal 0.1
V5W2144-IC2144	5W55996.D	01/09/25	01:59	02:03	Initial cal 0.2
V5W2144-IC2144	5W56001.D	01/09/25	05:39	05:43	Initial cal 5
V5W2144-ICC2144	5W56002.D	01/09/25	06:20	06:24	Initial cal 10
V5W2144-IC2144	5W56003.D	01/09/25	07:03	07:07	Initial cal 20
V5W2144-IC2144	5W56004.D	01/09/25	07:49	07:53	Initial cal 40
V5W2144-IC2144	5W56005.D	01/09/25	08:36	08:40	Initial cal 50
V5W2144-IC2144	5W56013.D	01/09/25	15:02	15:06	Initial cal 0.5
V5W2144-ICV2144	5W56014.D	01/09/25	15:42	15:46	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2159-BFB
Lab File ID: 5W56370.D
Instrument ID: GCMS5W
Injection Date: 01/24/25
Injection Time: 08:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	115232	21.2		Pass
75	30.0 - 66.0% of mass 95	240939	44.3		Pass
95	Base peak, 100% relative abundance	544256	100.0		Pass
96	5.0 - 9.0% of mass 95	35917	6.60		Pass
173	Less than 2.0% of mass 174	6519	1.20	(1.21) [a]	Pass
174	50.0 - 120.0% of mass 95	538304	98.9		Pass
175	4.0 - 9.01% of mass 174	40824	7.50	(7.58) [a]	Pass
176	93.0 - 101.0% of mass 174	526741	96.8	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	35160	6.46	(6.68) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2159-CC2144	5W56371.D	01/24/25	09:35	00:41	Continuing cal 10
V5W2159-BS	5W56372.D	01/24/25	10:39	01:45	Blank Spike
V5W2159-BSD	5W56373.D	01/24/25	11:19	02:25	Blank Spike Duplicate
V5W2159-MB	5W56377.D	01/24/25	15:16	06:22	Method Blank
V5W2159-SCC	5W56378.D	01/24/25	16:13	07:19	Summa Cleaning Certification
V5W2159-SCC	5W56379.D	01/24/25	17:00	08:06	Summa Cleaning Certification
V5W2159-SCC	5W56381.D	01/24/25	18:32	09:38	Summa Cleaning Certification
V5W2159-SCC	5W56382.D	01/24/25	19:18	10:24	Summa Cleaning Certification
V5W2159-SCC	5W56383.D	01/24/25	20:04	11:10	Summa Cleaning Certification
V5W2159-SCC	5W56384.D	01/24/25	20:50	11:56	Summa Cleaning Certification
V5W2159-SCC	5W56385.D	01/24/25	21:36	12:42	Summa Cleaning Certification
V5W2159-SCC	5W56386.D	01/24/25	22:22	13:28	Summa Cleaning Certification
V5W2159-SCC	5W56387.D	01/24/25	23:09	14:15	Summa Cleaning Certification
V5W2159-SCC	5W56388.D	01/24/25	23:55	15:01	Summa Cleaning Certification
V5W2159-SCC	5W56389.D	01/25/25	00:41	15:47	Summa Cleaning Certification
V5W2159-SCC	5W56390.D	01/25/25	01:27	16:33	Summa Cleaning Certification
V5W2159-SCC	5W56391.D	01/25/25	02:08	17:14	Summa Cleaning Certification
V5W2159-SCC	5W56392.D	01/25/25	02:49	17:55	Summa Cleaning Certification
V5W2159-SCC	5W56393.D	01/25/25	03:30	18:36	Summa Cleaning Certification
V5W2159-SCC	5W56394.D	01/25/25	04:10	19:16	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1441-BFB
Lab File ID: 6W34719.D
Instrument ID: GCMS6W
Injection Date: 01/29/25
Injection Time: 19:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5095	23.9		Pass
75	30.0 - 66.0% of mass 95	10009	47.0		Pass
95	Base peak, 100% relative abundance	21275	100.0		Pass
96	5.0 - 9.0% of mass 95	1414	6.65		Pass
173	Less than 2.0% of mass 174	61	0.29	(0.38) [a]	Pass
174	50.0 - 120.0% of mass 95	16246	76.4		Pass
175	4.0 - 9.0% of mass 174	1170	5.50	(7.20) [a]	Pass
176	93.0 - 101.0% of mass 174	15489	72.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	993	4.67	(6.41) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V6W1441-IC1441	6W34720.D	01/29/25	20:02	00:38	Initial cal 0.02
V6W1441-IC1441	6W34721.D	01/29/25	20:39	01:15	Initial cal 0.05
V6W1441-ICC1441	6W34722.D	01/29/25	21:16	01:52	Initial cal 0.10
V6W1441-IC1441	6W34723.D	01/29/25	21:55	02:31	Initial cal 0.20
V6W1441-IC1441	6W34724.D	01/29/25	22:40	03:16	Initial cal 0.50
V6W1441-IC1441	6W34730.D	01/30/25	02:25	07:01	Initial cal 1.0
V6W1441-IC1441	6W34732.D	01/30/25	03:50	08:26	Initial cal 5.0
V6W1441-IC1441	6W34736.D	01/30/25	06:31	11:07	Initial cal 0.002
V6W1441-IC1441	6W34737.D	01/30/25	07:08	11:44	Initial cal 0.005
V6W1441-IC1441	6W34738.D	01/30/25	07:46	12:22	Initial cal 0.01
V6W1441-ICV1441	6W34746.D	01/30/25	14:42	19:18	Initial cal verification 0.1

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1442-BFB
Lab File ID: 6W34747.D
Instrument ID: GCMS6W
Injection Date: 01/30/25
Injection Time: 16:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4726	23.9		Pass
75	30.0 - 66.0% of mass 95	9122	46.2		Pass
95	Base peak, 100% relative abundance	19736	100.0		Pass
96	5.0 - 9.0% of mass 95	1245	6.31		Pass
173	Less than 2.0% of mass 174	50	0.25	(0.33) [a]	Pass
174	50.0 - 120.0% of mass 95	15339	77.7		Pass
175	4.0 - 9.0% of mass 174	1108	5.61	(7.22) [a]	Pass
176	93.0 - 101.0% of mass 174	14701	74.5	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	932	4.72	(6.34) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V6W1442-CC1441	6W34748.D	01/30/25	16:50	00:37	Continuing cal 0.1
V6W1442-BS	6W34749.D	01/30/25	18:32	02:19	Blank Spike
V6W1442-BSD	6W34750.D	01/30/25	19:09	02:56	Blank Spike Duplicate
V6W1442-MB	6W34753.D	01/30/25	21:08	04:55	Method Blank
V6W1442-SCC	6W34754.D	01/30/25	21:51	05:38	Summa Cleaning Certification
V6W1442-SCC	6W34755.D	01/30/25	22:34	06:21	Summa Cleaning Certification
V6W1442-SCC	6W34756.D	01/30/25	23:16	07:03	Summa Cleaning Certification
V6W1442-SCC	6W34757.D	01/30/25	23:59	07:46	Summa Cleaning Certification
V6W1442-SCC	6W34758.D	01/31/25	00:41	08:28	Summa Cleaning Certification
V6W1442-SCC	6W34759.D	01/31/25	01:23	09:10	Summa Cleaning Certification
ZZZZZZ	6W34760.D	01/31/25	02:06	09:53	(unrelated sample)
ZZZZZZ	6W34761.D	01/31/25	02:49	10:36	(unrelated sample)
ZZZZZZ	6W34762.D	01/31/25	03:32	11:19	(unrelated sample)
JE4441-4	6W34763.D	01/31/25	04:14	12:01	(used for QC only; not part of job JE5344)
JE4441-4DUP	6W34764.D	01/31/25	04:57	12:44	Duplicate
ZZZZZZ	6W34765.D	01/31/25	05:40	13:27	(unrelated sample)
JE4458-2	6W34766.D	01/31/25	06:22	14:09	(used for QC only; not part of job JE5344)
JE4458-2DUP	6W34767.D	01/31/25	07:05	14:52	Duplicate
ZZZZZZ	6W34768.D	01/31/25	07:49	15:36	(unrelated sample)
ZZZZZZ	6W34769.D	01/31/25	08:32	16:19	(unrelated sample)
ZZZZZZ	6W34770.D	01/31/25	09:15	17:02	(unrelated sample)
ZZZZZZ	6W34771.D	01/31/25	10:41	18:28	(unrelated sample)
ZZZZZZ	6W34772.D	01/31/25	11:46	19:33	(unrelated sample)
JE4678-3	6W34773.D	01/31/25	12:29	20:16	(used for QC only; not part of job JE5344)

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V6W1442-BFB	**Injection Date:**	01/30/25
Lab File ID:	6W34747.D	**Injection Time:**	16:13
Instrument ID:	GCMS6W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JE4678-3DUP	6W34774.D	01/31/25	13:11	20:58	Duplicate
ZZZZZZ	6W34775.D	01/31/25	13:54	21:41	(unrelated sample)
V6W1442-SCC	6W34776.D	01/31/25	14:36	22:23	Summa Cleaning Certification
V6W1442-SCC	6W34777.D	01/31/25	15:18	23:05	Summa Cleaning Certification
V6W1442-SCC	6W34778.D	01/31/25	16:01	23:48	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1450-BFB
Lab File ID: 6W34956.D
Instrument ID: GCMS6W
Injection Date: 02/16/25
Injection Time: 08:21

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	3954	24.7		Pass
75	30.0 - 66.0% of mass 95	7610	47.5		Pass
95	Base peak, 100% relative abundance	16010	100.0		Pass
96	5.0 - 9.0% of mass 95	1048	6.55		Pass
173	Less than 2.0% of mass 174	42	0.26	(0.34) [a]	Pass
174	50.0 - 120.0% of mass 95	12327	77.0		Pass
175	4.0 - 9.0% of mass 174	924	5.77	(7.50) [a]	Pass
176	93.0 - 101.0% of mass 174	11854	74.0	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	788	4.92	(6.65) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V6W1450-CC1441	6W34957.D	02/16/25	08:59	00:38	Continuing cal 0.1
V6W1450-BS	6W34958.D	02/16/25	09:37	01:16	Blank Spike
V6W1450-BSD	6W34959.D	02/16/25	10:15	01:54	Blank Spike Duplicate
V6W1450-MB	6W34961.D	02/16/25	11:36	03:15	Method Blank
ZZZZZZ	6W34962.D	02/16/25	12:19	03:58	(unrelated sample)
ZZZZZZ	6W34963.D	02/16/25	13:02	04:41	(unrelated sample)
JE5344-5	6W34964.D	02/16/25	13:46	05:25	776-IA_1_0225
JE5344-10	6W34965.D	02/16/25	14:28	06:07	774-IA-1_0225
ZZZZZZ	6W34967.D	02/16/25	15:55	07:34	(unrelated sample)
ZZZZZZ	6W34968.D	02/16/25	16:38	08:17	(unrelated sample)
ZZZZZZ	6W34969.D	02/16/25	17:25	09:04	(unrelated sample)
JE5461-4	6W34970.D	02/16/25	18:12	09:51	(used for QC only; not part of job JE5344)
JE5461-4DUP	6W34971.D	02/16/25	18:59	10:38	Duplicate
ZZZZZZ	6W34972.D	02/16/25	19:38	11:17	(unrelated sample)
V6W1450-ECC1441	6W34973.D	02/16/25	20:16	11:55	Ending cal 0.1

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W405-BFB
Lab File ID: 7W11232.D
Instrument ID: GCMS7W
Injection Date: 12/28/24
Injection Time: 08:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	32515	22.0		Pass
75	30.0 - 66.0% of mass 95	74333	50.3		Pass
95	Base peak, 100% relative abundance	147925	100.0		Pass
96	5.0 - 9.0% of mass 95	9647	6.52		Pass
173	Less than 2.0% of mass 174	1064	0.72	(0.95) [a]	Pass
174	50.0 - 120.0% of mass 95	111515	75.4		Pass
175	4.0 - 9.01% of mass 174	7970	5.39	(7.15) [a]	Pass
176	93.0 - 101.0% of mass 174	106229	71.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7045	4.76	(6.63) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W405-IC405	7W11233.D	12/28/24	09:16	00:36	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24	09:53	01:13	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24	10:32	01:52	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24	11:51	03:11	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24	12:34	03:54	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24	13:47	05:07	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24	14:25	05:45	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24	15:08	06:28	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24	15:52	07:12	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24	18:36	09:56	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W423-BFB
Lab File ID: 7W11817.D
Instrument ID: GCMS7W
Injection Date: 01/16/25
Injection Time: 10:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	33917	22.4		Pass
75	30.0 - 66.0% of mass 95	80197	53.0		Pass
95	Base peak, 100% relative abundance	151424	100.0		Pass
96	5.0 - 9.0% of mass 95	10159	6.71		Pass
173	Less than 2.0% of mass 174	931	0.61	(0.83) [a]	Pass
174	50.0 - 120.0% of mass 95	111621	73.7		Pass
175	4.0 - 9.01% of mass 174	8175	5.40	(7.32) [a]	Pass
176	93.0 - 101.0% of mass 174	107029	70.7	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	7387	4.88	(6.90) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W423-CC405	7W11818.D	01/16/25	11:34	00:37	Continuing cal 10
V7W423-BS	7W11819.D	01/16/25	12:16	01:19	Blank Spike
V7W423-BSD	7W11820.D	01/16/25	12:54	01:57	Blank Spike Duplicate
V7W423-MB	7W11822.D	01/16/25	14:19	03:22	Method Blank
JE3528-1	7W11824.D	01/16/25	16:06	05:09	(used for QC only; not part of job JE5344)
JE3528-1DUP	7W11825.D	01/16/25	16:46	05:49	Duplicate
V7W423-SCC	7W11830.D	01/16/25	20:03	09:06	Summa Cleaning Certification
V7W423-SCC	7W11831.D	01/16/25	20:47	09:50	Summa Cleaning Certification
V7W423-SCC	7W11832.D	01/16/25	21:31	10:34	Summa Cleaning Certification
V7W423-SCC	7W11833.D	01/16/25	22:16	11:19	Summa Cleaning Certification
V7W423-SCC	7W11834.D	01/16/25	22:59	12:02	Summa Cleaning Certification
V7W423-SCC	7W11835.D	01/16/25	23:45	12:48	Summa Cleaning Certification
V7W423-SCC	7W11837.D	01/17/25	01:13	14:16	Summa Cleaning Certification
V7W423-SCC	7W11838.D	01/17/25	01:57	15:00	Summa Cleaning Certification
V7W423-SCC	7W11839.D	01/17/25	02:42	15:45	Summa Cleaning Certification
V7W423-SCC	7W11840.D	01/17/25	03:26	16:29	Summa Cleaning Certification
V7W423-SCC	7W11841.D	01/17/25	04:10	17:13	Summa Cleaning Certification
V7W423-SCC	7W11843.D	01/17/25	05:39	18:42	Summa Cleaning Certification
ZZZZZZ	7W11844.D	01/17/25	06:24	19:27	(unrelated sample)
ZZZZZZ	7W11845.D	01/17/25	07:08	20:11	(unrelated sample)
ZZZZZZ	7W11846.D	01/17/25	07:53	20:56	(unrelated sample)
ZZZZZZ	7W11847.D	01/17/25	08:38	21:41	(unrelated sample)
ZZZZZZ	7W11848.D	01/17/25	09:23	22:26	(unrelated sample)
ZZZZZZ	7W11849.D	01/17/25	10:02	23:05	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V7W423-BFB	**Injection Date:**	01/16/25
Lab File ID:	7W11817.D	**Injection Time:**	10:57
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W11850.D	01/17/25	10:42	23:45	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W426-BFB
Lab File ID: 7W11928.D
Instrument ID: GCMS7W
Injection Date: 01/19/25
Injection Time: 22:14

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	27304	22.2		Pass
75	30.0 - 66.0% of mass 95	65576	53.4		Pass
95	Base peak, 100% relative abundance	122776	100.0		Pass
96	5.0 - 9.0% of mass 95	8083	6.58		Pass
173	Less than 2.0% of mass 174	831	0.68	(0.92) [a]	Pass
174	50.0 - 120.0% of mass 95	90771	73.9		Pass
175	4.0 - 9.01% of mass 174	6917	5.63	(7.62) [a]	Pass
176	93.0 - 101.0% of mass 174	88184	71.8	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	5501	4.48	(6.24) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W426-CC405	7W11930.D	01/19/25	23:30	01:16	Continuing cal 10
V7W426-BS	7W11931.D	01/20/25	00:08	01:54	Blank Spike
V7W426-BSD	7W11932.D	01/20/25	00:46	02:32	Blank Spike Duplicate
V7W426-MB	7W11934.D	01/20/25	02:09	03:55	Method Blank
ZZZZZZ	7W11935.D	01/20/25	02:48	04:34	(unrelated sample)
ZZZZZZ	7W11937.D	01/20/25	04:06	05:52	(unrelated sample)
ZZZZZZ	7W11939.D	01/20/25	05:22	07:08	(unrelated sample)
JE4060-1	7W11945.D	01/20/25	09:17	11:03	(used for QC only; not part of job JE5344)
JE4060-1DUP	7W11946.D	01/20/25	09:55	11:41	Duplicate
V7W426-SCC	7W11947.D	01/20/25	10:40	12:26	Summa Cleaning Certification
V7W426-SCC	7W11948.D	01/20/25	11:24	13:10	Summa Cleaning Certification
V7W426-SCC	7W11949.D	01/20/25	12:08	13:54	Summa Cleaning Certification
V7W426-SCC	7W11950.D	01/20/25	12:52	14:38	Summa Cleaning Certification
V7W426-SCC	7W11951.D	01/20/25	13:35	15:21	Summa Cleaning Certification
V7W426-SCC	7W11952.D	01/20/25	14:19	16:05	Summa Cleaning Certification
V7W426-SCC	7W11953.D	01/20/25	15:03	16:49	Summa Cleaning Certification
V7W426-SCC	7W11954.D	01/20/25	15:47	17:33	Summa Cleaning Certification
V7W426-SCC	7W11955.D	01/20/25	16:30	18:16	Summa Cleaning Certification
ZZZZZZ	7W11956.D	01/20/25	17:12	18:58	(unrelated sample)
ZZZZZZ	7W11958.D	01/20/25	18:30	20:16	(unrelated sample)
ZZZZZZ	7W11960.D	01/20/25	19:47	21:33	(unrelated sample)
V7W426-SCC	7W11961.D	01/20/25	20:25	22:11	Summa Cleaning Certification
V7W426-SCC	7W11962.D	01/20/25	21:04	22:50	Summa Cleaning Certification
V7W426-SCC	7W11963.D	01/20/25	21:42	23:28	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W427-BFB
Lab File ID: 7W11965.D
Instrument ID: GCMS7W
Injection Date: 01/21/25
Injection Time: 08:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	30523	22.2		Pass
75	30.0 - 66.0% of mass 95	72821	52.9		Pass
95	Base peak, 100% relative abundance	137536	100.0		Pass
96	5.0 - 9.0% of mass 95	8622	6.27		Pass
173	Less than 2.0% of mass 174	917	0.67	(0.91) [a]	Pass
174	50.0 - 120.0% of mass 95	100872	73.3		Pass
175	4.0 - 9.01% of mass 174	7651	5.56	(7.58) [a]	Pass
176	93.0 - 101.0% of mass 174	97320	70.8	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	6523	4.74	(6.70) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W427-CC405	7W11967.D	01/21/25	10:12	01:20	Continuing cal 10
V7W427-BS	7W11968.D	01/21/25	10:50	01:58	Blank Spike
V7W427-BSD	7W11969.D	01/21/25	11:27	02:35	Blank Spike Duplicate
V7W427-MB	7W11971.D	01/21/25	12:59	04:07	Method Blank
V7W427-SCC	7W11972.D	01/21/25	13:43	04:51	Summa Cleaning Certification
JE4061-1	7W11973.D	01/21/25	14:29	05:37	(used for QC only; not part of job JE5344)
JE4061-1DUP	7W11974.D	01/21/25	15:15	06:23	Duplicate
ZZZZZZ	7W11975.D	01/21/25	15:54	07:02	(unrelated sample)
ZZZZZZ	7W11976.D	01/21/25	16:34	07:42	(unrelated sample)
JE4288-4	7W11977.D	01/21/25	17:12	08:20	(used for QC only; not part of job JE5344)
JE4288-4DUP	7W11978.D	01/21/25	17:50	08:58	Duplicate
ZZZZZZ	7W11981.D	01/21/25	20:03	11:11	(unrelated sample)
ZZZZZZ	7W11982.D	01/21/25	20:42	11:50	(unrelated sample)
ZZZZZZ	7W11983.D	01/21/25	21:22	12:30	(unrelated sample)
ZZZZZZ	7W11984.D	01/21/25	22:01	13:09	(unrelated sample)
ZZZZZZ	7W11985.D	01/21/25	22:40	13:48	(unrelated sample)
ZZZZZZ	7W11986.D	01/21/25	23:19	14:27	(unrelated sample)
ZZZZZZ	7W11987.D	01/21/25	23:58	15:06	(unrelated sample)
ZZZZZZ	7W11988.D	01/22/25	00:38	15:46	(unrelated sample)
ZZZZZZ	7W11989.D	01/22/25	01:16	16:24	(unrelated sample)
ZZZZZZ	7W11990.D	01/22/25	01:56	17:04	(unrelated sample)
ZZZZZZ	7W11991.D	01/22/25	02:35	17:43	(unrelated sample)
V7W427-SCC	7W11992.D	01/22/25	03:18	18:26	Summa Cleaning Certification
V7W427-SCC	7W11993.D	01/22/25	04:03	19:11	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V7W427-BFB	**Injection Date:**	01/21/25
Lab File ID:	7W11965.D	**Injection Time:**	08:52
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W427-SCC	7W11994.D	01/22/25	04:48	19:56	Summa Cleaning Certification
V7W427-SCC	7W11995.D	01/22/25	05:31	20:39	Summa Cleaning Certification
V7W427-SCC	7W11996.D	01/22/25	06:16	21:24	Summa Cleaning Certification
V7W427-SCC	7W11997.D	01/22/25	06:59	22:07	Summa Cleaning Certification
V7W427-SCC	7W11998.D	01/22/25	07:42	22:50	Summa Cleaning Certification
V7W427-SCC	7W11999.D	01/22/25	08:26	23:34	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W457-BFB
Lab File ID: 7W12938.D
Instrument ID: GCMS7W
Injection Date: 02/23/25
Injection Time: 18:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	25317	19.1		Pass
75	30.0 - 66.0% of mass 95	60696	45.9		Pass
95	Base peak, 100% relative abundance	132211	100.0		Pass
96	5.0 - 9.0% of mass 95	8735	6.61		Pass
173	Less than 2.0% of mass 174	818	0.62	(0.74) [a]	Pass
174	50.0 - 120.0% of mass 95	109907	83.1		Pass
175	4.0 - 9.01% of mass 174	8085	6.12	(7.36) [a]	Pass
176	93.0 - 101.0% of mass 174	102624	77.6	(93.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6942	5.25	(6.76) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W457-CC405	7W12939.D	02/23/25	18:55	00:37	Continuing cal 10
V7W457-BS	7W12940.D	02/23/25	19:33	01:15	Blank Spike
V7W457-BSD	7W12941.D	02/23/25	20:10	01:52	Blank Spike Duplicate
V7W457-MB	7W12943.D	02/23/25	21:31	03:13	Method Blank
V7W457-SCC	7W12944.D	02/23/25	22:15	03:57	Summa Cleaning Certification
V7W457-SCC	7W12945.D	02/23/25	22:57	04:39	Summa Cleaning Certification
V7W457-SCC	7W12946.D	02/23/25	23:41	05:23	Summa Cleaning Certification
V7W457-SCC	7W12947.D	02/24/25	00:24	06:06	Summa Cleaning Certification
V7W457-SCC	7W12948.D	02/24/25	01:07	06:49	Summa Cleaning Certification
V7W457-SCC	7W12949.D	02/24/25	01:50	07:32	Summa Cleaning Certification
JE5794-8	7W12950.D	02/24/25	02:38	08:20	(used for QC only; not part of job JE5344)
JE5794-8DUP	7W12951.D	02/24/25	03:26	09:08	Duplicate
ZZZZZZ	7W12952.D	02/24/25	04:08	09:50	(unrelated sample)
ZZZZZZ	7W12953.D	02/24/25	04:47	10:29	(unrelated sample)
ZZZZZZ	7W12954.D	02/24/25	05:25	11:07	(unrelated sample)
ZZZZZZ	7W12955.D	02/24/25	06:02	11:44	(unrelated sample)
ZZZZZZ	7W12956.D	02/24/25	06:40	12:22	(unrelated sample)
ZZZZZZ	7W12958.D	02/24/25	08:14	13:56	(unrelated sample)
ZZZZZZ	7W12959.D	02/24/25	08:51	14:33	(unrelated sample)
ZZZZZZ	7W12960.D	02/24/25	09:35	15:17	(unrelated sample)
JE5344-1	7W12961.D	02/24/25	10:14	15:56	776-VMP-1_0225
JE5344-2	7W12962.D	02/24/25	10:53	16:35	776-VMP-2_0225
JE5344-3	7W12963.D	02/24/25	11:32	17:14	776-VMP-2_0225-A
JE5344-4	7W12964.D	02/24/25	12:10	17:52	776-VMP-3_0225

Instrument Performance Check (BFB)

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V7W457-BFB	**Injection Date:**	02/23/25
Lab File ID:	7W12938.D	**Injection Time:**	18:18
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JE5344-6	7W12965.D	02/24/25	12:49	18:31	776-OA-1_0225
JE5344-7	7W12966.D	02/24/25	13:28	19:10	774-VMP-1_0225
JE5344-8	7W12967.D	02/24/25	14:07	19:49	774-VMP-2_0225
JE5344-9	7W12968.D	02/24/25	14:45	20:27	774-VMP-3_0225
ZZZZZZ	7W12969.D	02/24/25	15:30	21:12	(unrelated sample)
ZZZZZZ	7W12970.D	02/24/25	16:08	21:50	(unrelated sample)
ZZZZZZ	7W12971.D	02/24/25	16:47	22:29	(unrelated sample)
V7W457-ECC405	7W12972.D	02/24/25	17:25	23:07	Ending cal 10

Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V5W2159-CC2144	**Injection Date:**	01/24/25
Lab File ID:	5W56371.D	**Injection Time:**	09:35
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	392037	7.65	1751629	9.82	865857	15.33
Upper Limit [a]	548852	7.98	2452281	10.15	1212200	15.66
Lower Limit [b]	235222	7.32	1050977	9.49	519514	15.00

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2159-BS	382085	7.65	1714808	9.82	849727	15.33
V5W2159-BSD	384955	7.65	1729848	9.82	855953	15.33
V5W2159-MB	369040	7.64	1670762	9.81	722257	15.33
V5W2159-SCC	355268	7.64	1611922	9.81	694109	15.33
V5W2159-SCC	354696	7.64	1598770	9.81	692571	15.33
V5W2159-SCC	343486	7.64	1552729	9.82	670616	15.33
V5W2159-SCC	369023	7.64	1652460	9.81	694505	15.33
V5W2159-SCC	366276	7.64	1645516	9.81	686507	15.33
V5W2159-SCC	364483	7.64	1629653	9.82	685204	15.33
V5W2159-SCC	377929	7.64	1672644	9.81	704611	15.33
V5W2159-SCC	377495	7.64	1677719	9.81	710083	15.33
V5W2159-SCC	383092	7.64	1704985	9.81	717306	15.33
V5W2159-SCC	375282	7.64	1675511	9.81	705427	15.33
V5W2159-SCC	376882	7.64	1673072	9.81	705885	15.33
V5W2159-SCC	379553	7.64	1694438	9.81	720727	15.33
V5W2159-SCC	335101	7.64	1502450	9.81	648522	15.33
V5W2159-SCC	326753	7.64	1469163	9.81	637755	15.33
V5W2159-SCC	318208	7.64	1433311	9.81	619160	15.33
V5W2159-SCC	315849	7.64	1422547	9.81	616414	15.33

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

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

Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V6W1442-CC1441	**Injection Date:**	01/30/25
Lab File ID:	6W34748.D	**Injection Time:**	16:50
Instrument ID:	GCMS6W	**Method:**	TO-15 (BY SIM)

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	26953	3.28	146046	4.63	71660	10.41
Upper Limit [a]	37734	3.61	204464	4.96	100324	10.74
Lower Limit [b]	16172	2.95	87628	4.30	42996	10.08

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V6W1442-BS	26430	3.28	146745	4.63	71267	10.41
V6W1442-BSD	25869	3.28	143671	4.63	69653	10.41
V6W1442-MB	30057	3.28	163932	4.63	71523	10.41
V6W1442-SCC	30676	3.28	169356	4.63	73651	10.41
V6W1442-SCC	31890	3.28	169224	4.63	73883	10.41
V6W1442-SCC	31258	3.28	169063	4.63	74129	10.41
V6W1442-SCC	31003	3.28	169985	4.63	73981	10.41
V6W1442-SCC	31196	3.28	169286	4.63	74074	10.41
V6W1442-SCC	30832	3.28	169232	4.63	73926	10.41
ZZZZZZ	23308	3.28	123265	4.63	63019	10.41
ZZZZZZ	23200	3.28	120206	4.63	60897	10.41
ZZZZZZ	22589	3.28	119136	4.63	59659	10.41
JE4441-4	23371	3.28	123912	4.63	61157	10.41
JE4441-4DUP	24103	3.28	126674	4.63	62737	10.41
ZZZZZZ	23509	3.28	124249	4.63	62007	10.41
JE4458-2	23896	3.28	126872	4.63	62989	10.41
JE4458-2DUP	22952	3.28	125959	4.63	62487	10.41
ZZZZZZ	22624	3.28	124704	4.63	61818	10.41
ZZZZZZ	23035	3.28	126584	4.63	62341	10.41
ZZZZZZ	23327	3.28	127748	4.63	63327	10.41
ZZZZZZ	22010	3.28	109844	4.63	55591	10.41
ZZZZZZ	23589	3.28	125772	4.63	61945	10.41
JE4678-3	24861	3.28	132599	4.63	64324	10.41
JE4678-3DUP	24969	3.28	131643	4.63	64143	10.41
ZZZZZZ	25348	3.28	131829	4.63	64209	10.41
V6W1442-SCC	30808	3.28	164201	4.63	70368	10.41
V6W1442-SCC	27434	3.28	149913	4.63	71487	10.41
V6W1442-SCC	30456	3.28	161894	4.63	69405	10.41

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

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

Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V6W1450-CC1441	**Injection Date:**	02/16/25
Lab File ID:	6W34957.D	**Injection Time:**	08:59
Instrument ID:	GCMS6W	**Method:**	TO-15 (BY SIM)

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	26720	3.28	146264	4.63	64141	10.41
Upper Limit [a]	37408	3.61	204770	4.96	89797	10.74
Lower Limit [b]	16032	2.95	87758	4.30	38485	10.08

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V6W1450-BS	26307	3.28	143880	4.63	63551	10.41
V6W1450-BSD	27240	3.28	145783	4.63	64072	10.41
V6W1450-MB	32777	3.28	176703	4.63	71037	10.41
ZZZZZZ	35732	3.28	140188	4.63	65173	10.41
ZZZZZZ	32842	3.28	134882	4.63	61968	10.41
JE5344-5	26469	3.28	136724	4.63	61822	10.41
JE5344-10	26881	3.28	137853	4.63	62157	10.41
ZZZZZZ	27252	3.28	139003	4.63	63432	10.41
ZZZZZZ	26370	3.28	141790	4.63	63311	10.41
ZZZZZZ	28319	3.28	146099	4.63	64065	10.41
JE5461-4	28557	3.28	144300	4.63	64756	10.41
JE5461-4DUP	28426	3.28	145211	4.63	65112	10.41
ZZZZZZ	30680	3.28	147824	4.63	65184	10.41
V6W1450-ECC1441	28808	3.28	156468	4.63	67932	10.41

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

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

Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W423-CC405	**Injection Date:**	01/16/25
Lab File ID:	7W11818.D	**Injection Time:**	11:34
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	137862	3.23	693738	4.49	645125	10.03
Upper Limit [a]	193007	3.56	971233	4.82	903175	10.36
Lower Limit [b]	82717	2.90	416243	4.16	387075	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W423-BS	139744	3.23	704830	4.50	655435	10.03
V7W423-BSD	141984	3.23	712325	4.50	666523	10.04
V7W423-MB	124743	3.23	634881	4.50	589400	10.03
JE3528-1	124943	3.24	721261	4.51	659916	10.04
JE3528-1DUP	139582	3.24	716711	4.51	665409	10.04
V7W423-SCC	140094	3.23	709175	4.50	645988	10.03
V7W423-SCC	116347	3.23	596944	4.49	551165	10.03
V7W423-SCC	117193	3.23	597422	4.49	548036	10.03
V7W423-SCC	118948	3.23	604671	4.49	549369	10.03
V7W423-SCC	115697	3.23	593367	4.49	542021	10.03
V7W423-SCC	117541	3.23	603103	4.49	555179	10.03
V7W423-SCC	116928	3.23	591815	4.49	542894	10.03
V7W423-SCC	117627	3.23	596317	4.49	546658	10.03
V7W423-SCC	116490	3.23	599404	4.49	548304	10.03
V7W423-SCC	117012	3.23	592398	4.49	536567	10.03
V7W423-SCC	114097	3.23	584287	4.49	540044	10.03
V7W423-SCC	117189	3.23	593732	4.49	546691	10.03
ZZZZZZ	113723	3.23	577506	4.49	533303	10.03
ZZZZZZ	118034	3.23	594085	4.49	578152	10.03
ZZZZZZ	137822	3.24	694930	4.51	627073	10.04
ZZZZZZ	137359	3.24	690166	4.51	624714	10.04
ZZZZZZ	115532	3.24	670401	4.50	607463	10.04
ZZZZZZ	137713	3.24	693459	4.51	629247	10.03
ZZZZZZ	135844	3.24	683451	4.50	622635	10.04

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

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

Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W426-CC405	**Injection Date:**	01/19/25
Lab File ID:	7W11930.D	**Injection Time:**	23:30
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	119162	3.23	603484	4.50	562140	10.04
Upper Limit [a]	166827	3.56	844878	4.83	786996	10.37
Lower Limit [b]	71497	2.90	362090	4.17	337284	9.71

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W426-BS	122697	3.23	623032	4.50	578448	10.03
V7W426-BSD	126664	3.23	642173	4.50	598519	10.04
V7W426-MB	130128	3.23	657943	4.49	602284	10.03
ZZZZZZ	126569	3.24	638429	4.51	585518	10.04
ZZZZZZ	122814	3.24	619494	4.51	550976	10.04
ZZZZZZ	124407	3.24	628582	4.50	564942	10.04
JE4060-1	118493	3.24	607641	4.50	560781	10.04
JE4060-1DUP	120179	3.24	611396	4.50	562403	10.04
V7W426-SCC	121060	3.23	614569	4.49	560492	10.03
V7W426-SCC	123068	3.23	628300	4.49	568970	10.03
V7W426-SCC	123659	3.23	627611	4.49	572163	10.03
V7W426-SCC	123756	3.23	625326	4.49	572495	10.03
V7W426-SCC	123795	3.23	631961	4.49	577088	10.03
V7W426-SCC	122958	3.23	629449	4.49	572460	10.03
V7W426-SCC	121027	3.23	611884	4.49	557457	10.03
V7W426-SCC	119901	3.23	610080	4.49	558452	10.03
V7W426-SCC	122134	3.23	620491	4.49	529237	10.03
ZZZZZZ	120605	3.24	604721	4.50	555217	10.04
ZZZZZZ	121514	3.24	611433	4.50	568500	10.04
ZZZZZZ	122063	3.24	606935	4.50	554191	10.04
V7W426-SCC	123264	3.23	628328	4.50	567535	10.04
V7W426-SCC	125211	3.23	633841	4.50	575043	10.04
V7W426-SCC	122553	3.24	626928	4.50	573311	10.04

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

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

Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W427-CC405	**Injection Date:**	01/21/25
Lab File ID:	7W11967.D	**Injection Time:**	10:12
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	129744	3.22	652103	4.49	605960	10.03
Upper Limit [a]	181642	3.55	912944	4.82	848344	10.36
Lower Limit [b]	77846	2.89	391262	4.16	363576	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W427-BS	127191	3.22	644516	4.49	596499	10.03
V7W427-BSD	125614	3.22	641726	4.49	603364	10.04
V7W427-MB	128941	3.23	659701	4.49	601659	10.03
V7W427-SCC	126936	3.24	649160	4.50	591265	10.03
JE4061-1	122274	3.23	627572	4.49	571077	10.03
JE4061-1DUP	121266	3.22	615432	4.49	566364	10.03
ZZZZZZ	120544	3.24	620799	4.50	573148	10.03
ZZZZZZ	117141	3.23	597087	4.50	548941	10.04
JE4288-4	120862	3.24	615198	4.51	560484	10.04
JE4288-4DUP	122509	3.23	617090	4.50	554794	10.04
ZZZZZZ	121134	3.24	610912	4.50	552997	10.04
ZZZZZZ	113728	3.24	577146	4.51	535129	10.04
ZZZZZZ	116274	3.24	586993	4.50	535705	10.04
ZZZZZZ	112181	3.24	574374	4.51	529265	10.04
ZZZZZZ	117850	3.24	596718	4.50	544060	10.04
ZZZZZZ	117931	3.23	596150	4.50	539034	10.03
ZZZZZZ	117927	3.24	594478	4.50	544727	10.04
ZZZZZZ	118117	3.23	597657	4.50	541476	10.04
ZZZZZZ	117728	3.24	596493	4.50	541220	10.04
ZZZZZZ	117135	3.24	594089	4.50	541960	10.04
ZZZZZZ	115546	3.23	584636	4.50	526774	10.04
V7W427-SCC	120622	3.22	605796	4.49	552573	10.03
V7W427-SCC	119116	3.22	607683	4.49	551452	10.03
V7W427-SCC	118846	3.22	600802	4.49	548288	10.03
V7W427-SCC	119210	3.22	604947	4.49	528835	10.03
V7W427-SCC	120296	3.22	604745	4.49	552257	10.03
V7W427-SCC	120237	3.22	606246	4.49	553019	10.03
V7W427-SCC	118560	3.23	600201	4.49	543656	10.03
V7W427-SCC	120054	3.22	608478	4.49	551838	10.03

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

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

Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W427-CC405	**Injection Date:**	01/21/25
Lab File ID:	7W11967.D	**Injection Time:**	10:12
Instrument ID:	GCMS7W	**Method:**	TO-15

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

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

Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W457-CC405	**Injection Date:**	02/23/25
Lab File ID:	7W12939.D	**Injection Time:**	18:55
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	133293	3.23	649643	4.49	602846	10.04
Upper Limit [a]	186610	3.56	909500	4.82	843984	10.37
Lower Limit [b]	79976	2.90	389786	4.16	361708	9.71

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W457-BS	130825	3.23	636465	4.49	592021	10.03
V7W457-BSD	135076	3.23	655956	4.49	608432	10.03
V7W457-MB	136151	3.23	671865	4.49	602914	10.03
V7W457-SCC	139908	3.23	683257	4.49	623525	10.03
V7W457-SCC	138280	3.23	678598	4.49	617335	10.03
V7W457-SCC	134588	3.23	658129	4.49	594280	10.03
V7W457-SCC	138443	3.23	679907	4.49	606993	10.03
V7W457-SCC	139134	3.23	681751	4.49	611897	10.03
V7W457-SCC	137531	3.23	672198	4.49	604827	10.03
JE5794-8	134445	3.23	654129	4.49	596046	10.03
JE5794-8DUP	130088	3.23	633001	4.49	579347	10.03
ZZZZZZ	132469	3.23	640490	4.49	587204	10.03
ZZZZZZ	129474	3.23	632530	4.49	572186	10.03
ZZZZZZ	132377	3.23	636314	4.49	576590	10.03
ZZZZZZ	135033	3.23	645961	4.50	585052	10.03
ZZZZZZ	133080	3.23	641948	4.49	572845	10.03
ZZZZZZ	131408	3.23	638833	4.50	584225	10.03
ZZZZZZ	133081	3.23	638809	4.49	576907	10.03
ZZZZZZ	132038	3.23	644587	4.49	592398	10.03
JE5344-1	129460	3.24	636206	4.51	585010	10.04
JE5344-2	130634	3.24	646363	4.50	587578	10.04
JE5344-3	128689	3.24	637384	4.51	588954	10.04
JE5344-4	131558	3.24	649835	4.51	593039	10.04
JE5344-6	130004	3.24	633455	4.51	574602	10.04
JE5344-7	132231	3.24	646961	4.51	588614	10.04
JE5344-8	130629	3.24	640196	4.51	585599	10.04
JE5344-9	126346	3.24	629296	4.51	575535	10.04
ZZZZZZ	129875	3.24	631392	4.51	574130	10.04
ZZZZZZ	131861	3.24	640574	4.51	583207	10.04
ZZZZZZ	125852	3.24	613999	4.51	565957	10.04
V7W457-ECC405	129242	3.23	627818	4.50	586951	10.03

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

Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W457-CC405	**Injection Date:**	02/23/25
Lab File ID:	7W12939.D	**Injection Time:**	18:55
Instrument ID:	GCMS7W	**Method:**	TO-15

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.21	7.64	0.682	ok	0.679	0.619-0.739
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.93	15.33	1.170	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.31	15.33	1.064	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.60	7.64	0.602	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.55	7.64	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.62	7.64	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.85	15.33	0.903	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.60	7.64	1.126	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.82	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.64	0.842	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	7.49	7.64	0.980	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.82	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.84	15.33	1.294	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.42	15.33	1.332	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.95	15.33	1.301	ok	1.299	1.239-1.359
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethylbenzene	15.98	15.33	1.042	ok	1.041	0.981-1.101
Freon 113	5.80	7.64	0.759	ok	0.758	0.698-0.818

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 114	3.81	7.64	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.75	7.64	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.52	7.64	0.461	ok	0.461	0.401-0.521
Heptane	11.03	9.82	1.123	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.68	7.64	1.005	ok	1.005	0.945-1.065
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.33	1.162	ok	1.162	1.102-1.222
Methylene chloride	5.58	7.64	0.730	ok	0.728	0.668-0.788
Methyl Tert Butyl Ether	6.77	7.64	0.886	ok	0.878	0.818-0.938
Naphthalene	22.91	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.31	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.22	7.64	0.683	ok	0.681	0.621-0.741
n-Propylbenzene	18.66	15.33	1.217	ok	1.215	1.155-1.275
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.33	1.004	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.93	15.33	1.104	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.24	15.33	1.516	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.12	15.33	1.117	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.25	15.33	1.321	ok	1.319	1.259-1.379
1,3,5-Trimethylbenzene	19.02	15.33	1.241	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.63	7.64	0.737	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.33	0.944	ok	0.943	0.883-1.003
Toluene	12.97	9.82	1.321	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512	ok	0.511	0.451-0.571
m,p-Xylene	16.25	15.33	1.060	ok	1.058	0.998-1.118
o-Xylene	16.91	15.33	1.103	ok	1.102	1.042-1.162

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	443022	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1966418	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	923193	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.20	7.64	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.64	0.605	ok	0.602	0.542-0.662
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.33	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.59	7.64	0.601	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
n-Butylbenzene	20.86	15.33	1.361	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.33	1.306	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.64	0.466	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.56	15.33	1.211	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.64	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.83	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.82	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
1,4-Dioxane	10.78	9.82	1.098	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.44	7.64	0.843	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	7.48	7.64	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.82	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.33	1.294	ok	1.292	1.232-1.352

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.94	15.33	1.301	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.43	9.82	1.266	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.74	7.64	1.013	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
4-Ethyltoluene	18.89	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.79	7.64	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.64	0.500	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.75	7.64	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.53	7.64	0.462	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.64	1.007	ok	1.005	0.945-1.065
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.33	1.162	ok	1.162	1.102-1.222
p-Isopropyltoluene	20.27	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.56	7.64	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.16	7.64	0.937	ok	0.924	0.864-0.984
Methyl Tert Butyl Ether	6.75	7.64	0.884	ok	0.878	0.818-0.938
Methylmethacrylate	11.01	9.82	1.121	ok	1.115	1.055-1.175
Naphthalene	22.90	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.21	7.64	0.682	ok	0.681	0.621-0.741
n-Propylbenzene	18.66	15.33	1.217	ok	1.215	1.155-1.275
Propylene	3.58	7.64	0.469	ok	0.468	0.408-0.528
Styrene	16.78	15.33	1.095	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.33	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33	1.515	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.11	15.33	1.116	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.33	1.320	ok	1.319	1.259-1.379

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	19.64	15.33	1.281	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.02	15.33	1.241	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.61	7.64	0.734	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.33	0.944	ok	0.943	0.883-1.003
Tetrahydrofuran	8.34	7.64	1.092	ok	1.079	1.019-1.139
Toluene	12.97	9.82	1.321	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512	ok	0.511	0.451-0.571
m,p-Xylene	16.25	15.33	1.060	ok	1.058	0.998-1.118
o-Xylene	16.91	15.33	1.103	ok	1.102	1.042-1.162

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	433255	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1918380	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	901402	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.84	7.65	0.633	ok	0.629	0.569-0.689
Acrolein	4.72	7.65	0.617	ok	0.614	0.554-0.674
Acrylonitrile	5.22	7.65	0.682	ok	0.679	0.619-0.739
Acetonitrile	4.63	7.65	0.605	ok	0.602	0.542-0.662
1,3-Butadiene	4.02	7.65	0.525	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.33	1.169	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.22	7.65	0.552	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.65	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.33	1.293	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.33	1.361	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.33	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.84	7.65	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.57	7.65	0.467	ok	0.465	0.405-0.525
Chloroethane	4.34	7.65	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.65	1.020	ok	1.019	0.959-1.079
Chloromethane	3.76	7.65	0.492	ok	0.490	0.430-0.550
3-Chloropropene	5.68	7.65	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.33	1.210	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.64	7.65	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.47	7.65	0.715	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.83	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.60	7.65	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
1,4-Dioxane	10.76	9.82	1.096	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.65	0.476	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.41	7.65	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.82	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.49	7.65	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.82	1.195	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.33	1.294	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.33	1.300	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.42	9.82	1.265	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.75	7.65	1.013	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
Ethyl Acetate	7.80	7.65	1.020	ok	1.012	0.952-1.072
Ethyl Acrylate	10.48	9.82	1.067	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.81	7.65	0.759	ok	0.758	0.698-0.818
Freon 114	3.83	7.65	0.501	ok	0.499	0.439-0.559
Freon 123	4.72	7.65	0.617	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.44	15.33	0.877	ok	0.872	0.812-0.932
Iodomethane	5.41	7.65	0.707	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.33	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.06	7.65	0.661	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.58	7.65	0.729	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.12	7.65	0.931	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.86	9.82	1.208	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.75	7.65	0.882	ok	0.878	0.818-0.938
Methylmethacrylate	10.98	9.82	1.118	ok	1.115	1.055-1.175
Naphthalene	22.90	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.22	7.65	0.682	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.33	1.216	ok	1.215	1.155-1.275
Propylene	3.59	7.65	0.469	ok	0.468	0.408-0.528

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.77	15.33	1.094	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.65	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.33	1.004	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33	1.515	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.33	1.115	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.33	1.320	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.63	15.33	1.280	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.02	15.33	1.241	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.61	7.65	0.733	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.33	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.32	7.65	1.088	ok	1.079	1.019-1.139
Toluene	12.96	9.82	1.320	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.93	7.65	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.92	7.65	0.512	ok	0.511	0.451-0.571
Vinyl Acetate	6.82	7.65	0.892	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.33	1.059	ok	1.058	0.998-1.118
o-Xylene	16.90	15.33	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.22	15.33	0.341	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	430146	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1898537	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	894261	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
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Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.81	7.65	0.629	ok	0.629	0.569-0.689
Acrolein	4.70	7.65	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.65	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.65	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.65	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.65	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.04	7.65	0.528	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.60	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.65	0.762	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.65	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.65	0.566	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.65	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.65	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.65	0.741	ok	0.741	0.681-0.801
2-Chlorotoluene	18.54	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.65	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.65	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.81	15.34	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.67	9.82	1.087	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.65	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.65	0.575	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.34	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.48	7.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.81	15.34	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.65	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethanol	4.43	7.65	0.579	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.74	7.65	1.012	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.65	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.65	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.65	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.31	15.34	1.389	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.34	0.871	ok	0.872	0.812-0.932
Iodomethane	5.39	7.65	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.65	0.655	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.65	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.04	7.65	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.82	1.201	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.70	7.65	0.876	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.82	1.113	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.30	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.65	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.65	0.468	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.65	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.60	9.82	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.22	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.09	15.34	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.34	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.53	7.65	0.723	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.65	1.076	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.65	0.643	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.65	0.511	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.65	0.888	ok	0.888	0.828-0.948
m,p-Xylene	16.20	15.34	1.056	ok	1.058	0.998-1.118
o-Xylene	16.89	15.34	1.101	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	412314	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1823891	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	913003	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.65	0.627	ok	0.629	0.569-0.689
Acrolein	4.69	7.65	0.613	ok	0.614	0.554-0.674
Acrylonitrile	5.18	7.65	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.65	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.65	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.65	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.65	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.65	0.762	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.65	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.65	0.566	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.65	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.65	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.65	0.741	ok	0.741	0.681-0.801
2-Chlorotoluene	18.54	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.65	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.65	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.82	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.65	0.476	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.65	0.575	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.34	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.48	7.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.81	15.34	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.69	7.65	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethanol	4.43	7.65	0.579	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.65	1.010	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.65	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.65	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.65	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.34	0.870	ok	0.872	0.812-0.932
Iodomethane	5.39	7.65	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.00	7.65	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.65	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.65	0.919	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.82	1.199	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.69	7.65	0.875	ok	0.878	0.818-0.938
Methylmethacrylate	10.92	9.82	1.112	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.30	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.65	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.65	0.468	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.65	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.60	9.82	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.22	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.09	15.34	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.34	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.65	0.722	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.22	7.65	1.075	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.65	0.643	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.65	0.511	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.65	0.888	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.34	1.058	ok	1.058	0.998-1.118
o-Xylene	16.89	15.34	1.101	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	422761	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1839130	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	963498	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.69	7.66	0.612	ok	0.614	0.554-0.674
Acrylonitrile	5.18	7.66	0.676	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.66	0.740	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.82	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.66	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.66	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.82	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.34	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.48	7.66	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.34	1.292	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.69	7.66	1.004	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.43	7.66	0.578	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.72	7.66	1.008	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.82	7.66	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.66	0.615	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.34	15.34	0.870	ok	0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.00	7.66	0.653	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.66	0.727	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.82	1.199	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.92	9.82	1.112	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.31	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.66	0.680	ok	0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.66	0.467	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.66	1.157	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.82	1.284	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.22	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.09	15.34	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.34	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.34	1.058	ok	1.058	0.998-1.118
o-Xylene	16.89	15.34	1.101	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	434526	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1816899	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	1045556	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.70	7.66	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.66	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.34	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.60	9.83	1.078	ok	1.078	1.018-1.138
Bromoform	16.29	15.34	1.062	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.34	1.292	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.34	1.360	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.34	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.62	15.34	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.34	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.68	7.66	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.66	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.47	7.66	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.83	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.83	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.34	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.83	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.83	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.34	1.292	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.34	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.83	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.66	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.83	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.44	7.66	0.580	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.66	1.009	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.83	1.058	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.83	7.66	0.500	ok	0.499	0.439-0.559
Freon 123	4.72	7.66	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.83	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.34	0.870	ok	0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.34	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.66	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.58	7.66	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.83	1.197	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.83	1.112	ok	1.115	1.055-1.175
Naphthalene	22.89	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.31	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.22	7.66	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.34	1.215	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.66	0.467	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.34	1.115	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.63	15.34	1.280	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.019-1.139
Toluene	12.95	9.83	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.828-0.948
m,p-Xylene	16.24	15.34	1.059	ok	1.058	0.998-1.118
o-Xylene	16.90	15.34	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	463457	ok	443667	266200-621134
1,4-Difluorobenzene	9.83	ok	9.82	9.49-10.15	1816263	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	1233579	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.70	7.66	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.66	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.60	9.83	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.35	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.35	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.35	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.62	15.35	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.66	0.740	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.64	7.66	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.66	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.83	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.83	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.35	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.83	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.83	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.66	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.83	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.44	7.66	0.580	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.35	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.66	1.009	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.83	1.058	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.35	1.230	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.82	7.66	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.66	0.615	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.35	1.389	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.35	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.66	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.58	7.66	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.83	1.197	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.83	1.112	ok	1.115	1.055-1.175
Naphthalene	22.89	15.35	1.491	ok	1.493	1.433-1.553
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.66	0.680	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.35	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.66	0.467	ok	0.468	0.408-0.528
Styrene	16.75	15.35	1.091	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.019-1.139
Toluene	12.95	9.83	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.828-0.948
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.35	0.339	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	497435	ok	443667	266200-621134
1,4-Difluorobenzene	9.83	ok	9.82	9.49-10.15	1886774	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.35	ok	15.34	15.01-15.67	1356790	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.64	0.631	ok	0.629	0.569-0.689
Acrolein	4.70	7.64	0.615	ok	0.614	0.554-0.674
Acrylonitrile	5.20	7.64	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.61	7.64	0.603	ok	0.602	0.542-0.662
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.33	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.29	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.60	7.64	0.602	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.33	1.292	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.33	1.360	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.33	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.60	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.64	0.466	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.33	1.210	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.62	7.64	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.73	9.82	1.093	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.64	0.842	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.47	7.64	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.82	1.195	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.33	1.293	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.33	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.41	9.82	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.64	1.010	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethanol	4.44	7.64	0.581	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
Ethyl Acetate	7.77	7.64	1.017	ok	1.012	0.952-1.072
Ethyl Acrylate	10.45	9.82	1.064	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.80	7.64	0.759	ok	0.758	0.698-0.818
Freon 114	3.82	7.64	0.500	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.64	0.623	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.52	7.64	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.64	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.41	15.33	0.875	ok	0.872	0.812-0.932
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.33	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.04	7.64	0.660	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.56	7.64	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.09	7.64	0.928	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.84	9.82	1.206	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.73	7.64	0.881	ok	0.878	0.818-0.938
Methylmethacrylate	10.96	9.82	1.116	ok	1.115	1.055-1.175
Naphthalene	22.89	15.33	1.493	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.20	7.64	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.33	1.216	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.64	0.469	ok	0.468	0.408-0.528
Styrene	16.75	15.33	1.093	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.33	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.82	1.284	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33	1.515	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.33	1.115	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.33	1.320	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.33	1.280	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.33	1.240	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.58	7.64	0.730	ok	0.727	0.667-0.787
Tetrachloroethylene	14.45	15.33	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.29	7.64	1.085	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512	ok	0.511	0.451-0.571
Vinyl Acetate	6.81	7.64	0.891	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.33	1.059	ok	1.058	0.998-1.118
o-Xylene	16.90	15.33	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.20	15.33	0.339	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	456086	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	2018572	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	942297	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.28	4.63	2.004	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	26003	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	147173	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	72770	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.18	3.28	0.970	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27342	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	150129	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	73179	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)	
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)	Reporting this level
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.18	3.28	0.970	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.79	10.41	1.613	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.97	3.28	1.210	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27828	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	149518	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	73245	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)	
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)	Reporting this level
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.18	3.28	0.970	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27430	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	148125	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	72676	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.79	10.41	1.613	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27642	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	151388	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	73895	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	26892	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	149217	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	72500	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.18	3.28	0.970	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.97	3.28	1.210	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.28	4.63	2.004	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	29926	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	154416	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	77300	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)	
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)	Reporting this level
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.16	4.63	1.114	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.97	4.63	1.073	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.28	4.63	2.004	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	26529	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	148642	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	71450	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27105	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	148139	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	71154	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)	
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27603	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	150865	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	72832	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.22	0.652	ok	0.652	0.592-0.712
Acrolein	2.06	3.22	0.640	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562	ok	0.561	0.501-0.621
Benzene	4.17	3.22	1.295	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.22	0.584	ok	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630	ok	0.629	0.569-0.689
n-Butane	1.82	3.22	0.565	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.03	1.658	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509	ok	0.508	0.448-0.568
Chloroethane	1.93	3.22	0.599	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Chloroform	3.29	3.22	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.22	0.531	ok	0.530	0.470-0.590
3-Chloropropene	2.43	3.22	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.84	10.03	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22	1.329	ok	1.326	1.266-1.386
Cyclohexane	4.37	4.49	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22	0.866	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22	0.733	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49	1.612	ok	1.613	1.553-1.673
1,4-Dioxane	5.23	4.49	1.165	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22	0.519	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22	0.609	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174	ok	1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.97	4.49	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.65	10.03	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.22	0.773	ok	0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok	0.539	0.479-0.599
Freon 115	1.60	3.22	0.497	ok	0.496	0.436-0.556
Freon 123	2.07	3.22	0.643	ok	0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok	0.648	0.588-0.708
Freon 142B	1.70	3.22	0.528	ok	0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.03	1.753	ok	1.751	1.691-1.811
Hexane	3.28	3.22	1.019	ok	1.015	0.955-1.075
2-Hexanone	7.82	4.49	1.742	ok	1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.22	0.745	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.38	10.03	1.833	ok	1.831	1.771-1.891
Nonane	13.46	10.03	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Styrene	12.15	10.03	1.211	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.22	1.202	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.49	1.521	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.15	4.49	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.22	0.745	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.49	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.22	1.099	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.22	0.671	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.22	0.550	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.22	0.888	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.03	1.139	ok	1.138	1.078-1.198
o-Xylene	12.35	10.03	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.22	ok	3.23	2.90-3.56	135115	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	681342	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	623287	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.22	0.655	ok	0.652	0.592-0.712
Acrolein	2.07	3.22	0.643	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562	ok	0.561	0.501-0.621
Benzene	4.17	3.22	1.295	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.89	3.22	0.587	ok	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630	ok	0.629	0.569-0.689
n-Butane	1.83	3.22	0.568	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509	ok	0.508	0.448-0.568
Chloroethane	1.93	3.22	0.599	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Chloroform	3.30	3.22	1.025	ok	1.022	0.962-1.082
Chloromethane	1.71	3.22	0.531	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.22	0.758	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22	1.329	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22	0.866	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22	0.733	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49	1.612	ok	1.613	1.553-1.673
1,4-Dioxane	5.17	4.49	1.151	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22	0.519	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22	0.609	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.78	4.49	1.065	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174	ok	1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.22	0.773	ok	0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok	0.539	0.479-0.599
Freon 115	1.60	3.22	0.497	ok	0.496	0.436-0.556
Freon 123	2.08	3.22	0.646	ok	0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok	0.648	0.588-0.708
Freon 142B	1.71	3.22	0.531	ok	0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok	0.504	0.444-0.564
Heptane	5.46	4.49	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.27	3.22	1.016	ok	1.015	0.955-1.075
2-Hexanone	7.80	4.49	1.737	ok	1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.39	3.22	0.742	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.46	10.03	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Styrene	12.13	10.03	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.22	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.65	10.03	1.261	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.22	0.745	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.22	1.099	ok	1.091	1.031-1.151
Toluene	7.18	4.49	1.599	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.22	0.671	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.22	0.550	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.22	0.888	ok	0.887	0.827-0.947
m,p-Xylene	11.38	10.03	1.135	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.22	ok	3.23	2.90-3.56	133584	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	679369	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	626077	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.12	3.23	0.656	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.50	1.111	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.23	4.50	1.162	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.30	3.23	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.23	1.170	ok	1.173	1.113-1.233
Ethanol	1.98	3.23	0.613	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.31	3.23	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.98	4.50	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.50	1.744	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.20	3.23	0.681	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.98	3.23	0.923	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.50	1.371	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.85	3.23	0.882	ok	0.876	0.816-0.936
Methylmethacrylate	5.39	4.50	1.198	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.05	4.50	2.011	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.03	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.03	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.03	1.232	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.50	1.516	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.43	3.23	0.752	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.50	1.978	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.23	1.096	ok	1.091	1.031-1.151
Toluene	7.19	4.50	1.598	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.50	1.124	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.87	3.23	0.889	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.03	1.140	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	135376	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	684640	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	633519	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.71	10.03	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.37	4.49	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.14	4.49	1.145	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.79	4.49	1.735	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.18	3.23	0.675	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.23	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.49	1.363	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.19	10.03	1.514	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.03	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.95	10.03	1.690	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.15	4.49	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.23	0.743	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.49	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.52	3.23	1.090	ok	1.091	1.031-1.151
Toluene	7.18	4.49	1.599	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.41	10.03	1.138	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	130126	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	661732	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	600657	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.04	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.04	3.23	0.632	ok	0.629	0.569-0.689
n-Butane	1.83	3.23	0.567	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.50	3.23	0.774	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.29	3.23	1.328	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.50	1.073	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.12	4.50	1.138	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.97	3.23	0.610	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.50	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.50	3.23	0.774	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.08	3.23	0.644	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.80	4.50	1.733	ok	1.734	1.674-1.794
Iodomethane	2.34	3.23	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.23	0.678	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.50	1.360	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.47	10.04	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.50	2.013	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.19	10.04	1.513	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.04	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.04	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.50	1.516	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.04	1.825	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.04	1.259	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.04	1.646	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.04	1.585	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.23	0.743	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.50	1.980	ok	1.982	1.922-2.042
Tetrahydrofuran	3.52	3.23	1.090	ok	1.091	1.031-1.151
Toluene	7.19	4.50	1.598	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.50	1.124	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.87	3.23	0.889	ok	0.887	0.827-0.947
m,p-Xylene	11.41	10.04	1.136	ok	1.138	1.078-1.198
o-Xylene	12.35	10.04	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131992	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	667855	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	626654	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

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V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.03	1.658	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.03	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.08	4.49	1.131	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.66	3.23	0.514	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

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V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.27	3.23	1.012	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.13	10.03	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.03	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.03	1.232	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.51	3.23	1.087	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.03	1.139	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131378	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	659033	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	616113	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.73	10.04	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.04	1.750	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.48	10.04	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.04	1.514	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.04	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.04	1.825	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.04	1.259	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.54	10.04	1.647	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.92	10.04	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.51	3.23	1.087	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.04	1.137	ok	1.138	1.078-1.198
o-Xylene	12.35	10.04	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	126854	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	638427	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	603108	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.49	1.797	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.65	10.04	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.08	3.23	0.644	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.87	10.04	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04	1.697	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.48	10.04	1.343	ok	1.343	1.283-1.403
Octane	9.07	4.49	2.020	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.21	10.04	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.15	10.04	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.38	10.04	1.233	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.49	1.521	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.33	10.04	1.826	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.65	10.04	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.55	10.04	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.93	10.04	1.587	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.50	3.23	1.084	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.07	4.49	1.129	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.04	1.138	ok	1.138	1.078-1.198
o-Xylene	12.36	10.04	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	128392	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	638040	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	608914	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
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Project: BECOS Former Griffiss AFB, Rome, NY

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V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.64	10.04	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.85	10.04	1.678	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.50	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.71	3.23	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.26	4.50	1.613	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.50	1.127	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.80	4.50	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.00	4.50	1.333	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.50	1.100	ok	1.104	1.044-1.164
4-Ethyltoluene	15.66	10.04	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.64	10.04	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.77	4.50	1.727	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.88	10.04	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04	1.697	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.10	4.50	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.38	10.04	1.831	ok	1.831	1.771-1.891
Nonane	13.49	10.04	1.344	ok	1.343	1.283-1.403
Octane	9.07	4.50	2.016	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.21	10.04	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.15	10.04	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.14	10.04	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.38	10.04	1.233	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.50	1.518	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.33	10.04	1.826	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.66	10.04	1.261	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.97	10.04	1.690	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.55	10.04	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.93	10.04	1.587	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.92	4.50	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.50	3.23	1.084	ok	1.091	1.031-1.151
Toluene	7.20	4.50	1.600	ok	1.600	1.540-1.660
Trichloroethylene	5.07	4.50	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.04	1.138	ok	1.138	1.078-1.198
o-Xylene	12.36	10.04	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131520	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	651140	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	631688	ok	618891	371335-866447

Surrogate Recovery Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE5344-1	7W12961.D	95
JE5344-2	7W12962.D	95
JE5344-3	7W12963.D	96
JE5344-4	7W12964.D	94
JE5344-6	7W12965.D	94
JE5344-7	7W12966.D	95
JE5344-8	7W12967.D	96
JE5344-9	7W12968.D	97
JE5794-8DUP	7W12951.D	101
V5W2159-SCC	5W56382.D	116
V5W2159-SCC	5W56385.D	117
V7W423-SCC	7W11832.D	97
V7W426-SCC	7W11949.D	97
V7W427-SCC	7W11992.D	98
V7W457-BS	7W12940.D	102
V7W457-BSD	7W12941.D	103
V7W457-MB	7W12943.D	86
V5W2159-BS	5W56372.D	110
V5W2159-BSD	5W56373.D	110
V5W2159-MB	5W56377.D	117
V7W423-BS	7W11819.D	107
V7W423-BSD	7W11820.D	107
V7W423-MB	7W11822.D	104
V7W426-BS	7W11931.D	108
V7W426-BSD	7W11932.D	108
V7W426-MB	7W11934.D	98
V7W427-BS	7W11968.D	108
V7W427-BSD	7W11969.D	109
V7W427-MB	7W11971.D	98

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Surrogate Recovery Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Method: TO-15 (BY SIM) **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE5344-5	6W34964.D	105
JE5344-10	6W34965.D	105
JE5461-4DUP	6W34971.D	105
V6W1442-SCC	6W34758.D	94
V6W1442-SCC	6W34756.D	93
V6W1450-BS	6W34958.D	101
V6W1450-BSD	6W34959.D	102
V6W1450-MB	6W34961.D	92
V6W1442-BS	6W34749.D	100
V6W1442-BSD	6W34750.D	101
V6W1442-MB	6W34753.D	95

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2144-ICC2144
Lab FileID: 5W56002.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Calibration Files
0.04=5w55994.D 0.1 =5w55995.D 0.2 =5w55996.D 0.5 =5w56013.D
5 =5w56001.D 10 =5w56002.D 20 =5w56003.D 40 =5w56004.D
50 =5w56005.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.977	0.787	0.670	0.625	0.668	0.660	0.668	0.662	0.657	0.708	15.57
4) CHLORODIFLUOROMETHANE	0.238	0.334	0.322	0.311	0.335	0.337	0.340	0.341	0.340	0.322	10.26
5) CHLOROTRIFLUOROETHENE	1.580	1.575	1.612	1.516	1.684	1.682	1.723	1.697	1.692	1.640	4.34
6) DICHLORODIFLUOROMETHANE	3.163	3.254	3.326	3.153	3.357	3.302	3.232	3.015	2.854	3.184	5.09
7) PROPYLENE		0.956	0.805	0.746	0.796	0.801	0.794	0.765	0.747	0.801	8.36
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.576	3.452	3.526	3.321	3.461	3.344	3.143	2.765	2.545	3.237	11.05
9) FREON 114	4.396	4.557	4.599	4.436	4.572	4.312	3.985	3.389	3.065	4.146	13.48
10) CHLOROMETHANE	0.532	0.498	0.493	0.428	0.447	0.433	0.403	0.356	0.335	0.436	15.01
11) VINYL CHLORIDE	1.572	1.668	1.645	1.558	1.589	1.505	1.389	1.218	1.132	1.475	12.84
12) 1,3-BUTADIENE	1.234	1.132	1.077	0.975	1.020	0.981	0.906	0.807	0.755	0.987	15.37
13) n-BUTANE	2.771	2.383	2.498	2.095	2.079	1.960	1.805	1.562	1.452	2.067	20.92
14) BROMOMETHANE	1.889	1.805	1.717	1.602	1.657	1.569	1.472	1.325	1.239	1.586	13.45
15) CHLOROETHANE	0.810	0.779	0.741	0.702	0.680	0.638	0.600	0.541	0.507	0.667	15.62
16) DICHLOROFLUOROMETHANE	3.592	3.779	3.651	3.414	3.396	3.223	2.981	2.620	2.414	3.230	14.57
17) ACETONITRILE		1.364	1.664	1.246	1.237	1.166	1.087	0.960	0.882	1.201	20.35
18) ACROLEIN			0.690	0.625	0.539	0.521	0.491	0.440	0.410	0.531	18.66
19) FREON 123	3.961	3.873	3.863	3.681	3.730	3.507	3.270	2.875	2.643	3.489	13.39
20) FREON 123A	2.115	2.206	2.146	2.081	2.097	1.986	1.863	1.666	1.552	1.968	11.57
21) TRICHLOROFLUOROMETHANE	4.223	4.253	3.302	4.128	3.611	3.416	3.198	2.721	2.695	3.505	17.14
22) ISOPROPYL ALCOHOL			2.754	2.207	1.839	1.735	1.659	1.432	1.340	1.852	26.34
23) ACETONE											

Initial Calibration Summary

Job Number: JE5344 **Sample:** V5W2144-ICC2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56002.D
Project: BECOS Former Griffiss AFB, Rome, NY

			0.948	0.680	0.608	0.555	0.514	0.448	0.416	0.596	30.21
24)	PENTANE										
	1.138	1.064	0.992	0.901	0.931	0.901	0.864	0.832	0.807	0.937	11.67
25)	IODOMETHANE										
	2.657	2.712	2.701	2.722	2.875	2.851	2.829	2.779	2.741	2.763	2.70
26)	1,1-DICHLOROETHYLENE										
	1.065	0.968	0.946	0.906	0.928	0.909	0.883	0.850	0.831	0.921	7.55
27)	CARBON DISULFIDE										
	2.450	2.649	2.788	2.645	2.770	2.640	2.539	2.402	2.314	2.577	6.33
28)	ETHANOL										
			1.054	0.787	0.739	0.669	0.553	0.513		0.719	27.07
29)	BROMOETHENE										
	1.684	1.596	1.582	1.563	1.563	1.519	1.450	1.320	1.242	1.502	9.40
30)	ACRYLONITRILE										
	0.541	0.665	0.740	0.506	0.546	0.526	0.519	0.498	0.488	0.559	15.33
31)	METHYLENE CHLORIDE										
	1.155	0.991	0.974	0.931	0.897	0.854	0.825	0.778	0.748	0.906	13.81
32)	3-CHLOROPROPENE										
	0.288	0.370	0.429	0.400	0.437	0.431	0.422	0.404	0.389	0.397	11.65
33)	FREON 113										
	1.689	1.727	1.781	1.702	1.715	1.691	1.686	1.698	1.707	1.711	1.72
34)	TRANS-1,2-DICHLOROETHYLENE										
	0.954	0.971	1.007	0.951	0.982	0.975	0.962	0.949	0.941	0.966	2.11
35)	TERTIARY BUTYL ALCOHOL										
	1.434	1.519	1.548	1.588	1.695	1.669	1.645	1.527	1.412	1.560	6.36
36)	METHYL TERTIARY BUTYL ETHER										
	2.016	2.086	2.189	2.200	2.485	2.479	2.472	2.389	2.331	2.294	7.76
37)	TETRAHYDROFURAN										
			0.219	0.278	0.335	0.421	0.426	0.425	0.409	0.401	0.364	21.63
38)	HEXANE										
	1.169	1.134	1.164	1.192	1.350	1.360	1.421	1.486	1.454	1.303	10.64
39)	VINYL ACETATE										
			0.050	0.095	0.165	0.174	0.186	0.182	0.179	0.147	36.06
40)	1,1-DICHLOROETHANE										
	1.687	1.610	1.702	1.661	1.740	1.670	1.647	1.576	1.536	1.648	3.88
41)	METHYL ETHYL KETONE										
			0.220	0.293	0.336	0.420	0.432	0.430	0.414	0.405	0.369	21.16
42)	cis-1,2-DICHLOROETHYLENE										
	1.362	0.963	1.020	0.995	1.031	1.024	1.034	1.016	1.004	1.050	11.35
43)	DIISOPROPYL ETHER										
			0.290	0.335	0.355	0.407	0.411	0.428	0.449	0.442	0.390	14.52
44)	ETHYL ACETATE										
			0.197	0.245	0.303	0.307	0.304	0.301	0.292	0.278	15.07
45)	METHYL ACRYLATE										
			1.082	1.239	1.690	1.694	1.734	1.743	1.687	1.553	17.55
46)	CHLOROFORM										
	2.326	2.338	2.340	2.187	2.283	2.208	2.133	2.023	1.965	2.200	6.28
47)	2,4-DIMETHYLPENTANE										
	1.237	1.183	1.241	1.320	1.534	1.555	1.551	1.519	1.496	1.404	11.07
48)	1,1,1-TRICHLOROETHANE										
	2.131	2.291	2.342	2.223	2.346	2.312	2.320	2.286	2.257	2.279	2.99
49)	CARBON TETRACHLORIDE										
	2.320	2.445	2.497	2.385	2.605	2.596	2.619	2.595	2.562	2.514	4.31
50)	1,2-DICHLOROETHANE										
	1.108	1.296	1.393	1.321	1.419	1.394	1.403	1.378	1.365	1.342	7.17
51)	I 1,4-DIFLUOROBENZENE	----------ISTD----------									
52)	BENZENE										
	0.590	0.631	0.613	0.596	0.647	0.654	0.680	0.698	0.704	0.646	6.53
53)	CYCLOHEXANE										

Initial Calibration Summary

Job Number: JE5344 **Sample:** V5W2144-ICC2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56002.D
Project: BECOS Former Griffiss AFB, Rome, NY

	0.233	0.221	0.212	0.230	0.262	0.268	0.276	0.281	0.285	0.252	11.13
54) 2,3-DIMETHYLPENTANE											
	0.094	0.114	0.125	0.116	0.134	0.137	0.142	0.150	0.154	0.129	14.76
55) TRICHLOROETHYLENE											
	0.326	0.308	0.306	0.323	0.337	0.337	0.360	0.397	0.407	0.345	10.59
56) 1,2-DICHLOROPROPANE											
	0.256	0.251	0.244	0.243	0.254	0.257	0.265	0.282	0.284	0.260	5.71
57) DIBROMOMETHANE											
	0.390	0.352	0.354	0.317	0.337	0.347	0.375	0.422	0.445	0.371	11.13
58) ETHYL ACRYLATE											
	0.272	0.306	0.451	0.470	0.487	0.497	0.496			0.426	22.41
59) BROMODICHLOROMETHANE											
	0.571	0.566	0.588	0.559	0.605	0.609	0.633	0.670	0.683	0.609	7.35
60) 2,2,4-TRIMETHYLPENTANE											
	0.797	0.829	0.804	0.868	0.997	0.992	1.007	1.038	1.023	0.928	10.90
61) 1,4-DIOXANE											
	0.104	0.108	0.145	0.163	0.164	0.171	0.181	0.185		0.153	20.48
62) HEPTANE											
	0.250	0.287	0.298	0.318	0.367	0.368	0.377	0.391	0.393	0.339	15.24
63) METHYL METHACRYLATE											
	0.123	0.151	0.177	0.224	0.231	0.240	0.242	0.246		0.204	23.20
64) METHYL ISOBUTYL KETONE											
	0.104	0.127	0.188	0.193	0.202	0.210	0.214			0.177	24.46
65) cis-1,3-DICHLOROPROPENE											
	0.271	0.312	0.322	0.351	0.423	0.442	0.469	0.499	0.510	0.400	21.92
66) TOLUENE											
	0.377	0.370	0.379	0.414	0.487	0.502	0.532	0.563	0.576	0.467	17.76
67) 1,3-DICHLOROPROPANE											
	0.286	0.341	0.358	0.378	0.419	0.419	0.429	0.435	0.440	0.390	13.48
68) trans-1,3-DICHLOROPROPENE											
	0.289	0.285	0.303	0.393	0.415	0.447	0.474	0.486		0.387	21.61
69) 1,1,2-TRICHLOROETHANE											
	0.200	0.267	0.262	0.253	0.276	0.283	0.295	0.311	0.318	0.274	12.81
70) I CHLOROBENZENE-D5	----------ISTD----------										
71) 2-HEXANONE											
	0.204	0.385	0.542	0.545	0.527	0.475	0.457			0.448	27.18
72) ETHYL METHACRYLATE											
	0.443	0.569	0.819	0.809	0.771	0.687	0.655			0.679	20.27
73) TETRACHLOROETHYLENE											
	0.708	0.734	0.726	0.730	0.734	0.720	0.701	0.653	0.640	0.705	4.98
74) DIBROMOCHLOROMETHANE											
	1.062	1.206	1.262	1.232	1.378	1.356	1.308	1.184	1.134	1.236	8.33
75) 1,2-DIBROMOETHANE											
	0.805	0.873	0.931	0.953	1.033	1.008	0.963	0.869	0.842	0.920	8.39
76) OCTANE											
	0.743	0.734	0.766	0.854	1.046	1.024	0.989	0.893	0.841	0.877	13.72
77) 1,1,1,2-TETRACHLOROETHANE											
	0.793	0.818	0.820	0.825	0.874	0.859	0.866	0.829	0.805	0.832	3.36
78) CHLOROBENZENE											
	1.358	1.433	1.499	1.416	1.448	1.406	1.369	1.256	1.199	1.376	6.89
79) ETHYLBENZENE											
	1.562	1.692	1.684	1.813	2.113	2.097	2.006	1.764	1.659	1.821	11.11
80) m,p-XYLENE											
	0.554	0.598	0.643	0.738	0.871	0.853	0.822	0.756	0.733	0.730	15.35
81) o-XYLENE											
	0.500	0.561	0.606	0.722	0.846	0.828	0.816	0.771	0.738	0.710	17.63
82) STYRENE											
	0.719	0.769	0.890	1.253	1.258	1.222	1.100	1.066		1.035	20.94
83) NONANE											

Initial Calibration Summary

Job Number: JE5344 **Sample:** V5W2144-ICC2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56002.D
Project: BECOS Former Griffiss AFB, Rome, NY

```
          0.699 0.724 0.785 0.906 1.124 1.084 1.027 0.912 0.858   0.902   16.93
 84)  BROMOFORM
          1.027 1.057 1.156 1.208 1.364 1.353 1.315 1.218 1.176   1.208    9.98
 85)  4-BROMOFLUOROBENZENE
          1.274 1.279 1.295 1.292 1.273 1.211 1.104 0.958 0.916   1.178   12.68
 86)  1,1,2,2-TETRACHLOROETHANE
          1.204 1.402 1.411 1.418 1.491 1.435 1.391 1.267 1.175   1.355    8.18
 87)  1,2,3-TRICHLOROPROPANE
          0.913 0.995 1.000 1.022 1.025 0.967 0.896 0.788 0.755   0.929   10.79
 88)  ISOPROPYLBENZENE
          1.933 2.029 2.044 2.220 2.515 2.466 2.348 2.065 1.936   2.173   10.26
 89)  BROMOBENZENE
          1.022 1.172 1.154 1.166 1.238 1.188 1.121 1.007 0.963   1.115    8.48
 90)  2-CHLOROTOLUENE
                0.496 0.513 0.576 0.690 0.676 0.655 0.602 0.594   0.600   11.93
 91)  n-PROPYLBENZENE
          0.448 0.447 0.481 0.588 0.713 0.692 0.658 0.599 0.582   0.579   17.48
 92)  4-ETHYLTOLUENE
                1.603 1.702 2.003 2.544 2.437 2.321 2.003 1.853   2.058   16.74
 93)  1,3,5-TRIMETHYLBENZENE
          1.268 1.397 1.511 1.791 2.084 2.012 1.915 1.686 1.572   1.693   16.57
 94)  ALPHA-METHYLSTYRENE
                0.607 0.636 0.818 1.106 1.098 1.065 0.976 0.947   0.907   22.01
 95)  tert-BUTYLBENZENE
                0.296 0.309 0.377 0.473 0.474 0.483 0.463 0.446   0.415   18.56
 96)  1,2,4-TRIMETHYLBENZENE
                1.362 1.466 1.875 2.218 2.169 2.131 1.853 1.673   1.843   17.55
 97)  m-DICHLOROBENZENE
          1.403 1.370 1.449 1.615 1.722 1.681 1.653 1.492 1.400   1.532    8.90
 98)  BENZYL CHLORIDE
                     1.410 1.571 2.053 2.060 2.049 1.825 1.654   1.803   14.67
 99)  p-DICHLOROBENZENE
          1.326 1.405 1.392 1.590 1.647 1.554 1.482 1.319 1.245   1.440    9.49
100)  sec-BUTYLBENZENE
                0.381 0.418 0.492 0.593 0.567 0.541 0.498 0.481   0.496   14.41
101)  1,2,3-TRIMETHYLBENZENE
          1.312 1.441 1.556 1.930 2.235 2.172 2.087 1.870 1.720   1.814   18.12
102)  p-ISOPROPYLTOLUENE
                0.412 0.487 0.607 0.691 0.666 0.651 0.612 0.585   0.589   16.06
103)  o-DICHLOROBENZENE
          1.313 1.326 1.389 1.616 1.573 1.493 1.412 1.263 1.200   1.398   10.02
104)  n-BUTYLBENZENE
                0.361 0.407 0.524 0.668 0.657 0.647 0.607 0.588   0.557   20.99
105)  HEXACHLOROETHANE
          0.838 0.941 0.934 0.967 1.124 1.100 1.117 1.022 0.941   0.998    9.91
106)  HEXACHLOROBUTADIENE
          1.315 1.202 1.218 1.278 1.408 1.431 1.538 1.424 1.306   1.347    8.23
107)  1,2,4-TRICHLOROBENZENE
          1.497 1.146 1.068 1.625 1.358 1.308 1.281 1.223 1.180   1.298   13.51
108)  NAPHTHALENE
          3.232 2.218 2.169 3.940 3.184 3.078 2.884 2.360 2.102   2.796   22.39

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
                     6.790 5.925 6.087 5.865 5.693 5.390 5.242   5.856    8.68
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M5w2144.M         Thu Jan 09 19:07:44 2025
```

Initial Calibration Verification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2144-ICV2144
Lab FileID: 5W56014.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w56014.D Vial: 4
Acq On : 9 Jan 2025 3:42 pm Operator: thomash
Sample : icv2144-10 Inst : GCMS5W
Misc : MS88386,V5W2144,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	98	0.00	7.66
2	FREON 115		----------NA----------				
3	FREON 152A	0.708	0.652	7.9	97	0.00	3.53
4	CHLORODIFLUOROMETHANE	0.322	0.331	-2.8	96	0.00	3.56
5	CHLOROTRIFLUOROETHENE	1.640	1.648	-0.5	96	0.00	3.59
6	DICHLORODIFLUOROMETHANE	3.184	3.248	-2.0	97	0.00	3.64
7	PROPYLENE	0.801	0.777	3.0	95	0.00	3.58
8	1-CHLORO-1,1-DIFLUOROETHA	3.237	3.303	-2.0	97	0.00	3.74
9	FREON 114	4.146	4.305	-3.8	98	0.00	3.83
10	CHLOROMETHANE	0.436	0.426	2.3	97	0.00	3.75
11	VINYL CHLORIDE	1.475	1.488	-0.9	97	0.00	3.91
12	1,3-BUTADIENE	0.987	0.967	2.0	97	0.00	4.01
13	n-BUTANE	2.067	1.974	4.5	99	0.00	4.05
14	BROMOMETHANE	1.586	1.560	1.6	98	0.00	4.21
15	CHLOROETHANE	0.667	0.641	3.9	99	0.00	4.33
16	DICHLOROFLUOROMETHANE	3.230	3.276	-1.4	100	0.00	4.40
17	ACETONITRILE	1.201	1.220	-1.6	103	0.00	4.60
18	ACROLEIN	0.531	0.544	-2.4	102	0.00	4.70
19	FREON 123	3.489	3.421	1.9	96	0.00	4.71
20	FREON 123A	1.968	1.825	7.3	90	0.00	4.76
21	TRICHLOROFLUOROMETHANE	3.505	3.705	-5.7	106	0.00	4.92
22	ISOPROPYL ALCOHOL	1.852	1.809	2.3	102	0.00	5.01
23	ACETONE	0.596	0.564	5.4	100	0.00	4.80
24	PENTANE	0.937	0.897	4.3	98	0.00	5.21
25	IODOMETHANE	2.763	2.800	-1.3	96	0.00	5.40
26	1,1-DICHLOROETHYLENE	0.921	0.907	1.5	98	0.00	5.46
27	CARBON DISULFIDE	2.577	2.803	-8.8	104	0.00	5.83
28	ETHANOL	0.719	0.621	13.6	82	0.00	4.43
29	BROMOETHENE	1.502	1.509	-0.5	97	0.00	4.60
30	ACRYLONITRILE	0.559	0.534	4.5	100	0.00	5.19
31	METHYLENE CHLORIDE	0.906	0.877	3.2	101	0.00	5.57
32	3-CHLOROPROPENE	0.397	0.429	-8.1	98	0.00	5.67
33	FREON 113	1.711	1.724	-0.8	100	0.00	5.80
34	TRANS-1,2-DICHLOROETHYLEN	0.966	0.989	-2.4	100	0.00	6.43
35	TERTIARY BUTYL ALCOHOL	1.560	1.848	-18.5	109	0.00	5.52
36	METHYL TERTIARY BUTYL ETH	2.294	2.476	-7.9	98	0.00	6.69
37	TETRAHYDROFURAN	0.364	0.431	-18.4	99	0.00	8.23
38	HEXANE	1.303	1.338	-2.7	97	0.00	7.69
39	VINYL ACETATE	0.147	0.180	-22.4	102	0.00	6.79
40	1,1-DICHLOROETHANE	1.648	1.660	-0.7	98	0.00	6.63
41	METHYL ETHYL KETONE	0.369	0.427	-15.7	97	0.00	7.04
42	cis-1,2-DICHLOROETHYLENE	1.050	1.019	3.0	98	0.00	7.48

Initial Calibration Verification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2144-ICV2144
Lab FileID: 5W56014.D

43		DIISOPROPYL ETHER	0.390	0.407	-4.4	97	0.00	7.70
44		ETHYL ACETATE	0.278	0.308	-10.8	98	0.00	7.73
45		METHYL ACRYLATE	1.553	1.716	-10.5	99	0.00	7.72
46		CHLOROFORM	2.200	2.262	-2.8	101	0.00	7.80
47		2,4-DIMETHYLPENTANE	1.404	1.548	-10.3	98	0.00	8.65
48		1,1,1-TRICHLOROETHANE	2.279	2.361	-3.6	100	0.00	8.86
49		CARBON TETRACHLORIDE	2.514	2.577	-2.5	97	0.00	9.55
50		1,2-DICHLOROETHANE	1.342	1.398	-4.2	98	0.00	8.59
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	9.82
52		BENZENE	0.646	0.658	-1.9	99	0.00	9.38
53		CYCLOHEXANE	0.252	0.265	-5.2	97	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.129	0.135	-4.7	97	0.00	9.99
55		TRICHLOROETHYLENE	0.345	0.337	2.3	98	0.00	10.64
56		1,2-DICHLOROPROPANE	0.260	0.257	1.2	98	0.00	10.35
57		DIBROMOMETHANE	0.371	0.352	5.1	100	0.00	10.32
58		ETHYL ACRYLATE	0.426	0.475	-11.5	99	0.00	10.40
59		BROMODICHLOROMETHANE	0.609	0.614	-0.8	99	0.00	10.59
60		2,2,4-TRIMETHYLPENTANE	0.928	0.980	-5.6	97	0.00	10.67
61		1,4-DIOXANE	0.153	0.158	-3.3	95	0.00	10.66
62		HEPTANE	0.339	0.363	-7.1	97	0.00	11.02
63		METHYL METHACRYLATE	0.204	0.233	-14.2	99	0.00	10.92
64		METHYL ISOBUTYL KETONE	0.177	0.194	-9.6	99	0.00	11.78
65		cis-1,3-DICHLOROPROPENE	0.400	0.415	-3.7	92	0.00	11.72
66		TOLUENE	0.467	0.500	-7.1	98	0.00	12.95
67		1,3-DICHLOROPROPANE	0.390	0.427	-9.5	100	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.387	0.416	-7.5	99	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.274	0.287	-4.7	100	0.00	12.60
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	15.34
71		2-HEXANONE	0.448	0.548	-22.3	99	0.00	13.35
72		ETHYL METHACRYLATE	0.679	0.836	-23.1	102	0.00	13.38
73		TETRACHLOROETHYLENE	0.705	0.732	-3.8	100	0.00	14.46
74		DIBROMOCHLOROMETHANE	1.236	1.384	-12.0	100	0.00	13.50
75		1,2-DIBROMOETHANE	0.920	1.021	-11.0	100	0.00	13.82
76		OCTANE	0.877	1.021	-16.4	98	0.00	14.32
77		1,1,1,2-TETRACHLOROETHANE	0.832	0.869	-4.4	100	0.00	15.38
78		CHLOROBENZENE	1.376	1.412	-2.6	99	0.00	15.40
79		ETHYLBENZENE	1.821	2.111	-15.9	99	0.00	15.95
80		m,p-XYLENE	0.730	0.858	-17.5	99	0.00	16.23
81		o-XYLENE	0.710	0.833	-17.3	99	0.00	16.89
82		STYRENE	1.035	1.239	-19.7	97	0.00	16.74
83		NONANE	0.902	1.082	-20.0	98	0.00	17.30
84		BROMOFORM	1.208	1.359	-12.5	99	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.178	1.218	-3.4	99	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.355	1.488	-9.8	102	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.929	1.003	-8.0	102	0.00	17.09
88		ISOPROPYLBENZENE	2.173	2.504	-15.2	100	0.00	17.81
89		BROMOBENZENE	1.115	1.234	-10.7	102	0.00	17.90
90		2-CHLOROTOLUENE	0.600	0.703	-17.2	102	0.00	18.54
91		n-PROPYLBENZENE	0.579	0.703	-21.4	100	0.00	18.63
92		4-ETHYLTOLUENE	2.058	2.452	-19.1	99	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.693	2.044	-20.7	100	0.00	19.00
94		ALPHA-METHYLSTYRENE	0.907	1.079	-19.0	97	0.00	19.25
95		tert-BUTYLBENZENE	0.415	0.490	-18.1	102	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.843	2.221	-20.5	101	0.00	19.62
97		m-DICHLOROBENZENE	1.532	1.754	-14.5	103	0.00	19.81
98		BENZYL CHLORIDE	1.803	2.284	-26.7	109	0.00	19.81
99		p-DICHLOROBENZENE	1.440	1.599	-11.0	101	0.00	19.92
100		sec-BUTYLBENZENE	0.496	0.585	-17.9	102	0.00	20.01

Initial Calibration Verification

Job Number: JE5344 **Sample:** V5W2144-ICV2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56014.D
Project: BECOS Former Griffiss AFB, Rome, NY

101		1,2,3-TRIMETHYLBENZENE	1.814	2.235	-23.2	101	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.589	0.700	-18.8	103	0.00	20.26
103		o-DICHLOROBENZENE	1.398	1.543	-10.4	102	0.00	20.40
104		n-BUTYLBENZENE	0.557	0.673	-20.8	101	0.00	20.85
105		HEXACHLOROETHANE	0.998	1.043	-4.5	93	0.00	21.31
106		HEXACHLOROBUTADIENE	1.347	1.507	-11.9	104	-0.02	23.35
107		1,2,4-TRICHLOROBENZENE	1.298	1.409	-8.6	106	-0.01	23.21
108		NAPHTHALENE	2.796	3.506	-25.4	112	-0.02	22.87
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	7.66
110		TVHC as equiv Pentane	5.856	5.722	2.3	96	0.00	5.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w56002.D M5w2144.M Thu Jan 09 19:07:14 2025

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V5W2159-CC2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56371.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...025\v5w2159\5w56371.D Vial: 2
Acq On : 24 Jan 2025 9:35 am Operator: williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	93	0.00	7.65
2	FREON 115		----------NA----------				
3	FREON 152A	0.708	0.690	2.5	97	0.00	3.53
4	CHLORODIFLUOROMETHANE	0.322	0.307	4.7	85	0.00	3.56
5	CHLOROTRIFLUOROETHENE	1.640	1.757	-7.1	97	0.00	3.59
6	DICHLORODIFLUOROMETHANE	3.184	3.078	3.3	86	0.00	3.64
7	PROPYLENE	0.801	1.061	-32.5#	123	0.00	3.58
8	1-CHLORO-1,1-DIFLUOROETHA	3.237	2.824	12.8	78	0.00	3.74
9	FREON 114	4.146	3.454	16.7	74	0.00	3.82
10	CHLOROMETHANE	0.436	0.498	-14.2	107	0.00	3.75
11	VINYL CHLORIDE	1.475	1.344	8.9	83	0.00	3.91
12	1,3-BUTADIENE	0.987	1.038	-5.2	98	0.00	4.01
13	n-BUTANE	2.067	2.273	-10.0	107	0.00	4.05
14	BROMOMETHANE	1.586	1.316	17.0	78	0.00	4.21
15	CHLOROETHANE	0.667	0.539	19.2	78	0.00	4.33
16	DICHLOROFLUOROMETHANE	3.230	2.541	21.3	73	0.00	4.40
17	ACETONITRILE	1.201	1.386	-15.4	110	0.00	4.60
18	ACROLEIN	0.531	0.525	1.1	94	0.00	4.69
19	FREON 123	3.489	2.702	22.6	71	0.00	4.71
20	FREON 123A	1.968	1.663	15.5	78	0.00	4.76
21	TRICHLOROFLUOROMETHANE	3.505	3.307	5.6	90	0.00	4.92
22	ISOPROPYL ALCOHOL	1.852	2.327	-25.6	124	0.00	5.00
23	ACETONE	0.596	0.543	8.9	91	0.00	4.80
24	PENTANE	0.937	1.168	-24.7	120	0.00	5.21
25	IODOMETHANE	2.763	2.926	-5.9	95	0.00	5.39
26	1,1-DICHLOROETHYLENE	0.921	0.902	2.1	92	0.00	5.46
27	CARBON DISULFIDE	2.577	2.522	2.1	89	0.00	5.83
28	ETHANOL	0.719	0.807	-12.2	101	0.00	4.43
29	BROMOETHENE	1.502	1.252	16.6	76	0.00	4.60
30	ACRYLONITRILE	0.559	0.697	-24.7	123	0.00	5.18
31	METHYLENE CHLORIDE	0.906	0.824	9.1	89	0.00	5.56
32	3-CHLOROPROPENE	0.397	0.413	-4.0	89	0.00	5.67
33	FREON 113	1.711	1.686	1.5	92	0.00	5.80
34	TRANS-1,2-DICHLOROETHYLEN	0.966	0.982	-1.7	93	0.00	6.43
35	TERTIARY BUTYL ALCOHOL	1.560	1.866	-19.6	104	0.00	5.52
36	METHYL TERTIARY BUTYL ETH	2.294	2.335	-1.8	87	0.00	6.68
37	TETRAHYDROFURAN	0.364	0.403	-10.7	88	0.00	8.22
38	HEXANE	1.303	1.599	-22.7	109	0.00	7.68
39	VINYL ACETATE	0.147	0.181	-23.1	96	0.00	6.78
40	1,1-DICHLOROETHANE	1.648	1.789	-8.6	99	0.00	6.62
41	METHYL ETHYL KETONE	0.369	0.402	-8.9	86	0.00	7.03
42	cis-1,2-DICHLOROETHYLENE	1.050	1.050	0.0	95	0.00	7.47

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V5W2159-CC2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56371.D
Project: BECOS Former Griffiss AFB, Rome, NY

43		DIISOPROPYL ETHER	0.390	0.463	-18.7	104	0.00	7.69
44		ETHYL ACETATE	0.278	0.324	-16.5	98	0.00	7.72
45		METHYL ACRYLATE	1.553	2.071	-33.4#	113	0.00	7.71
46		CHLOROFORM	2.200	2.075	5.7	87	0.00	7.79
47		2,4-DIMETHYLPENTANE	1.404	1.827	-30.1#	109	0.00	8.64
48		1,1,1-TRICHLOROETHANE	2.279	2.181	4.3	87	0.00	8.86
49		CARBON TETRACHLORIDE	2.514	2.474	1.6	88	0.00	9.55
50		1,2-DICHLOROETHANE	1.342	1.411	-5.1	94	0.00	8.59
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	95	0.00	9.82
52		BENZENE	0.646	0.615	4.8	90	0.00	9.38
53		CYCLOHEXANE	0.252	0.252	0.0	89	0.00	9.68
54		2,3-DIMETHYLPENTANE	0.129	0.124	3.9	87	0.00	9.98
55		TRICHLOROETHYLENE	0.345	0.326	5.5	92	0.00	10.64
56		1,2-DICHLOROPROPANE	0.260	0.267	-2.7	99	0.00	10.34
57		DIBROMOMETHANE	0.371	0.344	7.3	95	0.00	10.32
58		ETHYL ACRYLATE	0.426	0.574	-34.7#	116	0.00	10.39
59		BROMODICHLOROMETHANE	0.609	0.560	8.0	88	0.00	10.59
60		2,2,4-TRIMETHYLPENTANE	0.928	1.126	-21.3	108	0.00	10.67
61		1,4-DIOXANE	0.153	0.160	-4.6	93	0.00	10.65
62		HEPTANE	0.339	0.471	-38.9#	122	0.00	11.02
63		METHYL METHACRYLATE	0.204	0.220	-7.8	91	0.00	10.92
64		METHYL ISOBUTYL KETONE	0.177	0.222	-25.4	110	0.00	11.77
65		cis-1,3-DICHLOROPROPENE	0.400	0.418	-4.5	90	0.00	11.71
66		TOLUENE	0.467	0.482	-3.2	91	0.00	12.94
67		1,3-DICHLOROPROPANE	0.390	0.393	-0.8	89	0.00	12.99
68		trans-1,3-DICHLOROPROPENE	0.387	0.393	-1.6	90	0.00	12.39
69		1,1,2-TRICHLOROETHANE	0.274	0.269	1.8	91	0.00	12.60
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	0.00	15.33
71		2-HEXANONE	0.448	0.674	-50.4#	111	0.00	13.34
72		ETHYL METHACRYLATE	0.679	0.815	-20.0	90	0.00	13.38
73		TETRACHLOROETHYLENE	0.705	0.722	-2.4	90	0.00	14.45
74		DIBROMOCHLOROMETHANE	1.236	1.375	-11.2	91	0.00	13.49
75		1,2-DIBROMOETHANE	0.920	1.081	-17.5	96	0.00	13.81
76		OCTANE	0.877	1.432	-63.3#	126	0.00	14.31
77		1,1,1,2-TETRACHLOROETHANE	0.832	0.869	-4.4	91	0.00	15.38
78		CHLOROBENZENE	1.376	1.450	-5.4	93	0.00	15.40
79		ETHYLBENZENE	1.821	2.158	-18.5	92	0.00	15.95
80		m,p-XYLENE	0.730	0.870	-19.2	92	0.00	16.22
81		o-XYLENE	0.710	0.840	-18.3	91	0.00	16.89
82		STYRENE	1.035	1.332	-28.7	95	0.00	16.74
83		NONANE	0.902	1.489	-65.1#	123	0.00	17.30
84		BROMOFORM	1.208	1.414	-17.1	94	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.178	1.304	-10.7	97	0.00	17.58
86		1,1,2,2-TETRACHLOROETHANE	1.355	1.460	-7.7	91	0.00	16.89
87		1,2,3-TRICHLOROPROPANE	0.929	0.958	-3.1	89	0.00	17.08
88		ISOPROPYLBENZENE	2.173	2.475	-13.9	90	0.00	17.81
89		BROMOBENZENE	1.115	1.204	-8.0	91	0.00	17.90
90		2-CHLOROTOLUENE	0.600	0.707	-17.8	94	0.00	18.53
91		n-PROPYLBENZENE	0.579	0.706	-21.9	92	0.00	18.63
92		4-ETHYLTOLUENE	2.058	2.487	-20.8	92	0.00	18.87
93		1,3,5-TRIMETHYLBENZENE	1.693	2.040	-20.5	91	0.00	19.00
94		ALPHA-METHYLSTYRENE	0.907	1.143	-26.0	94	0.00	19.25
95		tert-BUTYLBENZENE	0.415	0.476	-14.7	90	0.00	19.60
96		1,2,4-TRIMETHYLBENZENE	1.843	2.154	-16.9	89	0.00	19.62
97		m-DICHLOROBENZENE	1.532	1.693	-10.5	90	0.00	19.81
98		BENZYL CHLORIDE	1.803	2.076	-15.1	91	0.00	19.80
99		p-DICHLOROBENZENE	1.440	1.582	-9.9	91	0.00	19.92
100		sec-BUTYLBENZENE	0.496	0.570	-14.9	90	0.00	20.01

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V5W2159-CC2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56371.D
Project: BECOS Former Griffiss AFB, Rome, NY

101		1,2,3-TRIMETHYLBENZENE	1.814	2.161	-19.1	89	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.589	0.674	-14.4	91	0.00	20.25
103		o-DICHLOROBENZENE	1.398	1.507	-7.8	91	0.00	20.39
104		n-BUTYLBENZENE	0.557	0.658	-18.1	90	0.00	20.85
105		HEXACHLOROETHANE	0.998	1.123	-12.5	92	0.00	21.31
106		HEXACHLOROBUTADIENE	1.347	1.380	-2.4	87	-0.02	23.34
107		1,2,4-TRICHLOROBENZENE	1.298	1.368	-5.4	94	-0.02	23.20
108		NAPHTHALENE	2.796	3.314	-18.5	97	-0.02	22.87
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	93	0.00	7.65
110		TVHC as equiv Pentane	5.856	7.299	-24.6	115	0.00	5.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w56002.D M5w2144.M Mon Jan 27 04:15:30 2025

Initial Calibration Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1441-ICC1441
Lab FileID: 6W34722.D

Response Factor Report GCMS6W

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

Calibration Files
.002=6w34736.D .005=6w34737.D 0.01=6w34738.D 0.02=6w34720.D
0.05=6w34721.D 0.10=6w34722.D 0.20=6w34723.D 0.50=6w34724.D
1.00=6w34730.D 5.00=6w34732.D = =

Compound	.002	.005	0.01	0.02	0.05	0.10	0.20	0.50	1.00	5.00	Avg	%RSD
1) I Bromochloromethane	----------ISTD----------											
2) Methylene Chloride				1.644	1.431	1.361	1.365	1.417	1.105		1.387	12.46
3) Vinyl Chloride	2.745	1.648	1.794	2.147	1.804	1.629	1.667	1.804	2.042	1.417	1.870	19.85
4) Chloroethane	1.631	2.058	1.672	1.294	1.231	1.171	1.169	1.180	1.192	1.069	1.367	23.07
5) 1,1-Dichloroethene	2.994	2.000	2.235	2.857	2.229	1.941	1.980	2.082	2.308	1.590	2.222	19.07
6) trans-1,2-Dichloroethene	2.513	2.670	2.691	2.600	2.689	2.639	2.668	2.646	2.600	2.556	2.627	2.25
7) 1,1-Dichloroethane	2.642	2.000	2.641	2.426	2.010	1.874	1.908	2.000	2.164	1.652	2.132	15.66
8) cis-1,2-Dichloroethene	2.114	1.448	1.388	1.545	1.497	1.498	1.509	1.483	1.490	1.439	1.541	13.35
9) Chloroform	2.618	2.801	2.482	2.831	2.316	2.269	2.341	2.376	2.437	2.067	2.454	9.72
10) 1,1,1-Trichloroethane	1.920	1.913	1.845	2.065	1.971	1.943	1.966	1.990	2.021	1.986	1.962	3.13
11) 1,2-Dichloroethane	1.902	1.963	2.194	1.976	1.986	1.919	1.903	1.936	1.938	1.779	1.950	5.31
12) Benzene		4.494	3.853	3.444	3.185	3.074	3.071	3.076	3.049	2.928	3.353	15.27
13) Carbon Tetrachloride	1.571	1.913	2.113	1.798	2.039	2.113	2.206	2.281	2.316	2.341	2.069	11.94
14) I 1,4-Difluorobenzene	----------ISTD----------											
15) Toluene			0.682	0.522	0.425	0.418	0.415	0.412	0.397	0.481	0.469	20.40
16) Trichloroethene	0.416	0.424	0.322	0.369	0.302	0.303	0.301	0.299	0.294	0.304	0.334	15.17
17) 1,2-Dichloropropane	0.096	0.116	0.082	0.078	0.072	0.072	0.069	0.071	0.070	0.073	0.080	18.72
18) Bromodichloromethane	0.513	0.450	0.461	0.434	0.449	0.441	0.445	0.450	0.449	0.480	0.457	5.03
19) cis-1,3-Dichloropropene	0.283	0.290	0.266	0.337	0.280	0.273	0.275	0.273	0.276	0.312	0.287	7.60
20) trans-1,3-Dichloropropene	0.330	0.278	0.273	0.260	0.243	0.239	0.239	0.232	0.237	0.291	0.262	11.89
21) 1,1,2-Trichloroethane	0.220	0.290	0.260	0.276	0.212	0.212	0.211	0.213	0.210	0.258	0.236	13.31
22) Dibromochloromethane	0.449	0.489	0.448	0.443	0.440	0.424	0.435	0.435	0.450	0.573	0.459	9.51
23) Tetrachloroethene												

Initial Calibration Summary

Job Number: JE5344 **Sample:** V6W1441-ICC1441
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 6W34722.D
Project: BECOS Former Griffiss AFB, Rome, NY

```
      0.494 0.557 0.535 0.539 0.505 0.493 0.487 0.486 0.485 0.530  0.511    5.24
24)  1,2-Dibromoethane
      0.489 0.442 0.410 0.432 0.435 0.393 0.432 0.435 0.437 0.483  0.439    6.61

25) I   Chlorobenzene-d5      ----------------ISTD--------------------
26)  Chlorobenzene
      2.009 1.900 1.958 1.470 1.475 1.497 1.497 1.501 1.456 1.487  1.625   14.15
27)  1,1,2,2-Tetrachloroethane
      1.477 1.418 1.436 1.210 1.279 1.320 1.334 1.357 1.349 1.373  1.355    5.72
28)  4-Bromofluorobenzene
      1.437 1.478 1.491 1.425 1.478 1.484 1.485 1.486 1.494 1.475  1.473    1.59
29)  1,3-Dichlorobenzene
            2.649 2.403 1.394 1.574 1.634 1.690 1.743 1.718 1.775  1.842   22.16
30)  1,4-Dichlorobenzene
            2.682 2.482 1.317 1.537 1.559 1.639 1.705 1.652 1.739  1.812   25.14
31)  1,2-Dichlorobenzene
            2.601 2.489 1.336 1.515 1.539 1.598 1.650 1.614 1.695  1.782   25.00
32)  Naphthalene
                        1.986 2.838 3.073 3.095 3.163 2.943 3.498  2.942   15.96
--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M6W1441.M         Sun Feb 16 23:57:28 2025
```

Initial Calibration Verification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1441-ICV1441
Lab FileID: 6W34746.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\6w34746.D Vial: 1
Acq On : 30 Jan 2025 2:42 pm Operator: benk
Sample : icv1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1441,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Bromochloromethane	1.000	1.000	0.0	98	0.00	3.28
2	T	Methylene Chloride	1.387	1.460	-5.3	100	0.00	2.36
3	T	Vinyl Chloride	1.870	1.570	16.0	95	0.00	1.77
4	T	Chloroethane	1.367	1.152	15.7	97	0.00	1.93
5	T	1,1-Dichloroethene	2.222	1.894	14.8	96	0.00	2.31
6	T	trans-1,2-Dichloroethene	2.627	2.716	-3.4	101	0.00	2.69
7	T	1,1-Dichloroethane	2.132	1.884	11.6	99	0.00	2.77
8	T	cis-1,2-Dichloroethene	1.541	1.501	2.6	99	0.00	3.18
9	T	Chloroform	2.454	2.282	7.0	99	0.00	3.33
10	T	1,1,1-Trichloroethane	1.962	1.964	-0.1	99	0.00	3.97
11	T	1,2-Dichloroethane	1.950	1.960	-0.5	101	0.00	3.76
12	T	Benzene	3.353	3.193	4.8	102	0.00	4.28
13	T	Carbon Tetrachloride	2.069	2.187	-5.7	102	0.00	4.41
14	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00	4.63
15	T	Toluene	0.469	0.430	8.3	101	0.00	7.46
16	T	Trichloroethene	0.334	0.306	8.4	99	0.00	5.23
17	T	1,2-Dichloropropane	0.080	0.070	12.5	96	0.00	4.99
18	T	Bromodichloromethane	0.457	0.465	-1.8	103	0.00	5.19
19	T	cis-1,3-Dichloropropene	0.287	0.280	2.4	101	0.00	6.22
20	T	trans-1,3-Dichloropropene	0.262	0.256	2.3	105	0.00	6.91
21	T	1,1,2-Trichloroethane	0.236	0.217	8.1	100	0.00	7.08
22	T	Dibromochloromethane	0.459	0.468	-2.0	108	0.00	8.04
23	T	Tetrachloroethene	0.511	0.496	2.9	99	0.00	9.25
24	T	1,2-Dibromoethane	0.439	0.448	-2.1	112	0.00	8.38
25	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	10.41
26	T	Chlorobenzene	1.625	1.550	4.6	101	0.00	10.49
27	T	1,1,2,2-Tetrachloroethane	1.355	1.363	-0.6	100	0.00	12.81
28	S	4-Bromofluorobenzene	1.473	1.502	-2.0	98	0.00	13.85
29	T	1,3-Dichlorobenzene	1.842	1.738	5.6	103	0.00	16.80
30	T	1,4-Dichlorobenzene	1.812	1.696	6.4	106	0.00	16.88
31	T	1,2-Dichlorobenzene	1.782	1.688	5.3	106	0.00	17.17
32	T	Naphthalene	2.942	3.712	-26.2	117	0.00	18.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6w34722.D M6W1441.M Mon Feb 17 14:24:14 2025

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V6W1442-CC1441
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 6W34748.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...025\v6w1442\6w34748.D Vial: 1
Acq On : 30 Jan 2025 4:50 pm Operator: benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Bromochloromethane	1.000	1.000	0.0	97	0.00	3.28
2	T	Methylene Chloride	1.387	1.470	-6.0	100	0.00	2.36
3	T	Vinyl Chloride	1.870	1.689	9.7	100	0.00	1.77
4	T	Chloroethane	1.367	1.192	12.8	99	0.00	1.93
5	T	1,1-Dichloroethene	2.222	1.976	11.1	99	0.00	2.31
6	T	trans-1,2-Dichloroethene	2.627	2.738	-4.2	101	0.00	2.69
7	T	1,1-Dichloroethane	2.132	1.928	9.6	100	0.00	2.77
8	T	cis-1,2-Dichloroethene	1.541	1.526	1.0	99	0.00	3.18
9	T	Chloroform	2.454	2.336	4.8	100	0.00	3.33
10	T	1,1,1-Trichloroethane	1.962	1.979	-0.9	99	-0.03	3.94
11	T	1,2-Dichloroethane	1.950	1.981	-1.6	100	0.00	3.76
12	T	Benzene	3.353	3.191	4.8	101	0.00	4.28
13	T	Carbon Tetrachloride	2.069	2.199	-6.3	101	0.00	4.41
14	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00	4.63
15	T	Toluene	0.469	0.429	8.5	100	0.00	7.46
16	T	Trichloroethene	0.334	0.297	11.1	96	0.00	5.23
17	T	1,2-Dichloropropane	0.080	0.080	0.0	108	0.00	4.99
18	T	Bromodichloromethane	0.457	0.460	-0.7	102	0.00	5.19
19	T	cis-1,3-Dichloropropene	0.287	0.278	3.1	100	0.00	6.22
20	T	trans-1,3-Dichloropropene	0.262	0.254	3.1	104	0.00	6.91
21	T	1,1,2-Trichloroethane	0.236	0.219	7.2	101	0.00	7.08
22	T	Dibromochloromethane	0.459	0.507	-10.5	117	0.00	8.04
23	T	Tetrachloroethene	0.511	0.494	3.3	98	0.00	9.25
24	T	1,2-Dibromoethane	0.439	0.447	-1.8	111	0.00	8.38
25	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	10.41
26	T	Chlorobenzene	1.625	1.508	7.2	99	0.00	10.49
27	T	1,1,2,2-Tetrachloroethane	1.355	1.339	1.2	99	0.00	12.81
28	S	4-Bromofluorobenzene	1.473	1.490	-1.2	98	0.00	13.85
29	T	1,3-Dichlorobenzene	1.842	1.665	9.6	100	0.00	16.80
30	T	1,4-Dichlorobenzene	1.812	1.616	10.8	101	0.00	16.88
31	T	1,2-Dichlorobenzene	1.782	1.596	10.4	101	0.00	17.17
32	T	Naphthalene	2.942	3.061	-4.0	97	0.00	18.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6w34722.D M6W1441.M Thu Feb 27 04:49:37 2025

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V6W1450-CC1441
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 6W34957.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...025\V6W1450\6w34957.D Vial: 1
Acq On : 16 Feb 2025 8:59 am Operator: benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Bromochloromethane	1.000	1.000	0.0	96	0.00	3.28
2	T	Methylene Chloride	1.387	1.686	-21.6	113	0.00	2.36
3	T	Vinyl Chloride	1.870	1.995	-6.7	118	0.00	1.77
4	T	Chloroethane	1.367	1.062	22.3	87	0.00	1.93
5	T	1,1-Dichloroethene	2.222	2.364	-6.4	117	0.00	2.31
6	T	trans-1,2-Dichloroethene	2.627	2.156	17.9	78	0.00	2.69
7	T	1,1-Dichloroethane	2.132	1.910	10.4	98	0.00	2.77
8	T	cis-1,2-Dichloroethene	1.541	1.319	14.4	85	-0.03	3.15
9	T	Chloroform	2.454	2.613	-6.5	111	0.00	3.33
10	T	1,1,1-Trichloroethane	1.962	2.045	-4.2	101	-0.03	3.94
11	T	1,2-Dichloroethane	1.950	1.947	0.2	97	0.00	3.76
12	T	Benzene	3.353	3.168	5.5	99	0.00	4.28
13	T	Carbon Tetrachloride	2.069	2.523	-21.9	115	0.00	4.41
14	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00	4.63
15	T	Toluene	0.469	0.428	8.7	100	0.00	7.46
16	T	Trichloroethene	0.334	0.304	9.0	98	0.00	5.23
17	T	1,2-Dichloropropane	0.080	0.070	12.5	96	0.00	4.99
18	T	Bromodichloromethane	0.457	0.481	-5.3	106	0.00	5.19
19	T	cis-1,3-Dichloropropene	0.287	0.248	13.6	89	0.00	6.22
20	T	trans-1,3-Dichloropropene	0.262	0.225	14.1	92	0.00	6.91
21	T	1,1,2-Trichloroethane	0.236	0.237	-0.4	109	0.00	7.08
22	T	Dibromochloromethane	0.459	0.509	-10.9	117	0.00	8.04
23	T	Tetrachloroethene	0.511	0.432	15.5	86	0.00	9.25
24	T	1,2-Dibromoethane	0.439	0.466	-6.2	116	0.00	8.38
25	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00	10.41
26	T	Chlorobenzene	1.625	1.487	8.5	87	0.00	10.49
27	T	1,1,2,2-Tetrachloroethane	1.355	1.367	-0.9	91	0.00	12.81
28	S	4-Bromofluorobenzene	1.473	1.496	-1.6	88	0.00	13.85
29	T	1,3-Dichlorobenzene	1.842	1.577	14.4	84	0.00	16.80
30	T	1,4-Dichlorobenzene	1.812	1.545	14.7	87	0.00	16.88
31	T	1,2-Dichlorobenzene	1.782	1.499	15.9	85	0.00	17.17
32	T	Naphthalene	2.942	2.708	8.0	77	0.00	18.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6w34722.D M6W1441.M Mon Feb 17 10:32:20 2025

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V6W1450-ECC1441
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 6W34973.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...025\V6W1450\6w34973.D Vial: 1
Acq On : 16 Feb 2025 8:16 pm Operator: benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Bromochloromethane	1.000	1.000	0.0	104	0.00	3.28
2	T	Methylene Chloride	1.387	1.640	-18.2	119	0.00	2.36
3	T	Vinyl Chloride	1.870	1.938	-3.6	123	0.00	1.77
4	T	Chloroethane	1.367	1.095	19.9	97	0.00	1.93
5	T	1,1-Dichloroethene	2.222	2.281	-2.7	122	0.00	2.31
6	T	trans-1,2-Dichloroethene	2.627	2.218	15.6	87	0.00	2.69
7	T	1,1-Dichloroethane	2.132	1.924	9.8	106	0.00	2.77
8	T	cis-1,2-Dichloroethene	1.541	1.301	15.6	90	-0.03	3.15
9	T	Chloroform	2.454	2.639	-7.5	120	0.00	3.33
10	T	1,1,1-Trichloroethane	1.962	2.147	-9.4	114	-0.03	3.94
11	T	1,2-Dichloroethane	1.950	2.025	-3.8	109	0.00	3.76
12	T	Benzene	3.353	3.099	7.6	104	0.00	4.28
13	T	Carbon Tetrachloride	2.069	2.571	-24.3	126	0.00	4.41
14	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00	4.63
15	T	Toluene	0.469	0.446	4.9	112	0.00	7.46
16	T	Trichloroethene	0.334	0.294	12.0	101	0.00	5.23
17	T	1,2-Dichloropropane	0.080	0.069	13.7	100	0.00	4.99
18	T	Bromodichloromethane	0.457	0.476	-4.2	113	0.00	5.19
19	T	cis-1,3-Dichloropropene	0.287	0.261	9.1	100	0.00	6.22
20	T	trans-1,3-Dichloropropene	0.262	0.236	9.9	104	0.00	6.91
21	T	1,1,2-Trichloroethane	0.236	0.231	2.1	114	0.00	7.08
22	T	Dibromochloromethane	0.459	0.506	-10.2	125	0.00	8.04
23	T	Tetrachloroethene	0.511	0.465	9.0	99	0.00	9.25
24	T	1,2-Dibromoethane	0.439	0.390	11.2	104	0.00	8.38
25	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00	10.41
26	T	Chlorobenzene	1.625	1.532	5.7	95	0.00	10.49
27	T	1,1,2,2-Tetrachloroethane	1.355	1.365	-0.7	96	0.00	12.81
28	S	4-Bromofluorobenzene	1.473	1.485	-0.8	93	0.00	13.85
29	T	1,3-Dichlorobenzene	1.842	1.646	10.6	93	0.00	16.80
30	T	1,4-Dichlorobenzene	1.812	1.571	13.3	93	0.00	16.88
31	T	1,2-Dichlorobenzene	1.782	1.553	12.9	94	0.00	17.18
32	T	Naphthalene	2.942	2.586	12.1	78	0.01	18.49

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6w34722.D M6W1441.M Mon Feb 17 13:35:03 2025

Initial Calibration Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W405-ICC405
Lab FileID: 7W11240.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Calibration Files
0.04=7w11233.D 0.10=7w11234.D 0.20=7w11235.D 0.5 =7w11237.D
5.0 =7w11238.D 10 =7w11240.D 20 =7w11241.D 40 =7w11242.D
50 =7w11243.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.358	0.490	0.489	0.497	0.477	0.502	0.511	0.493	0.469	0.476	9.67
4) CHLORODIFLUOROMETHANE	0.230	0.259	0.239	0.254	0.228	0.245	0.248	0.243	0.229	0.242	4.56
5) CHLOROTRIFLUOROETHENE	0.964	1.190	1.217	1.200	1.155	1.229	1.224	1.188	1.114	1.165	7.17
6) DICHLORODIFLUOROMETHANE	2.070	2.643	2.595	2.579	2.476	2.598	2.602	2.515	2.360	2.493	7.24
7) PROPYLENE	0.852	0.749	0.673	0.667	0.573	0.614	0.613	0.598	0.566	0.656	14.20
8) 1-CHLORO-1,1-DIFLUOROETHANE	1.709	1.969	1.873	1.889	1.828	1.916	1.906	1.823	1.707	1.847	4.89
9) FREON 114	1.660	2.082	1.985	2.047	1.995	2.082	2.079	1.998	1.871	1.978	6.92
10) CHLOROMETHANE	0.322	0.328	0.258	0.242	0.230	0.246	0.245	0.237	0.223	0.259	14.95
11) VINYL CHLORIDE	0.668	0.831	0.867	0.863	0.846	0.880	0.891	0.864	0.816	0.836	8.03
12) 1,3-BUTADIENE	1.019	0.795	0.723	0.665	0.617	0.663	0.666	0.649	0.617	0.713	17.91
13) N-BUTANE	1.759	1.337	1.321	1.328	1.137	1.230	1.234	1.198	1.128	1.297	14.66
14) BROMOMETHANE	0.798	0.810	0.732	0.773	0.722	0.749	0.743	0.721	0.680	0.748	5.45
15) CHLOROETHANE	0.482	0.497	0.442	0.460	0.428	0.454	0.451	0.440	0.419	0.453	5.48
16) DICHLOROFLUOROMETHANE	1.519	1.902	1.861	1.820	1.723	1.818	1.817	1.751	1.659	1.763	6.66
17) ACETONITRILE	0.760	1.147	0.892	0.788	0.710	0.749	0.751	0.737	0.699	0.804	17.49
18) ACROLEIN	0.509	0.455	0.475	0.437	0.373	0.391	0.400	0.391	0.369	0.422	11.64
19) FREON 123	1.880	2.254	1.874	1.900	1.821	1.905	1.903	1.851	1.736	1.903	7.48
20) FREON 123A	1.119	1.367	1.211	1.199	1.151	1.206	1.194	1.142	1.073	1.185	6.95
21) TRICHLOROFLUOROMETHANE	1.733	2.305	2.304	2.256	2.230	2.351	2.318	2.202	2.062	2.196	8.81
22) ISOPROPYL ALCOHOL	1.943	2.205	2.115	1.850	1.728	1.776	1.760	1.689	1.606	1.853	10.77
23) ACETONE											

Initial Calibration Summary

Job Number: JE5344 **Sample:** V7W405-ICC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11240.D
Project: BECOS Former Griffiss AFB, Rome, NY

	0.884	0.907	0.725	0.505	0.461	0.452	0.451	0.433	0.412	0.581	34.59
24) PENTANE											
	0.949	0.984	0.897	0.926	0.828	0.883	0.883	0.851	0.807	0.890	6.41
25) IODOMETHANE											
	1.610	2.061	2.056	2.117	2.075	2.143	2.120	2.021	1.908	2.012	8.26
26) 1,1-DICHLOROETHYLENE											
	1.084	1.061	0.827	0.865	0.797	0.822	0.817	0.789	0.742	0.867	13.97
27) CARBON DISULFIDE											
	1.793	2.247	2.149	2.282	2.124	2.278	2.279	2.204	2.078	2.159	7.24
28) ETHANOL											
				0.712	0.544	0.465	0.459	0.441	0.422	0.507	21.46
29) BROMOETHENE											
	0.796	0.896	0.817	0.785	0.774	0.811	0.798	0.769	0.724	0.797	5.82
30) ACRYLONITRILE											
		1.070	1.045	0.677	0.601	0.611	0.607	0.584	0.557	0.719	29.44
31) METHYLENE CHLORIDE											
			1.103	0.887	0.720	0.737	0.730	0.700	0.662	0.791	19.53
32) 3-CHLOROPROPENE											
	0.367	0.466	0.441	0.418	0.398	0.415	0.416	0.402	0.383	0.412	7.19
33) FREON 113											
	1.040	1.382	1.429	1.352	1.349	1.390	1.367	1.290	1.215	1.313	9.11
34) TRANS-1,2-DICHLOROETHENE											
	1.026	1.040	0.880	0.894	0.861	0.882	0.885	0.851	0.805	0.903	8.69
35) TERTIARY BUTYL ALCOHOL											
	1.867	2.312	2.318	2.257	2.132	2.170	2.149	2.043	1.927	2.131	7.50
36) METHYL TERTIARY BUTYL ETHER											
	2.390	2.737	2.720	2.638	2.514	2.646	2.640	2.540	2.407	2.581	4.89
37) TETRAHYDROFURAN											
	0.213	0.399	0.418	0.436	0.425	0.436	0.441	0.427	0.405	0.400	17.86
38) HEXANE											
	1.805	1.948	1.655	1.655	1.532	1.618	1.602	1.545	1.462	1.647	9.03
39) VINYL ACETATE											
	0.167	0.286	0.249	0.266	0.228	0.252	0.257	0.253	0.240	0.244	13.54
40) 1,1-DICHLOROETHANE											
	1.300	1.725	1.650	1.713	1.592	1.695	1.687	1.629	1.544	1.615	8.17
41) METHYL ETHYL KETONE											
	0.319	0.514	0.485	0.451	0.436	0.463	0.462	0.446	0.423	0.444	12.19
42) CIS-1,2-DICHLOROETHENE											
	0.735	1.032	0.948	0.992	0.910	0.973	0.969	0.926	0.882	0.930	9.21
43) DIISOPROPYL ETHER											
	0.384	0.533	0.516	0.468	0.438	0.458	0.457	0.436	0.414	0.456	10.20
44) ETHYL ACETATE											
	0.245	0.336	0.336	0.330	0.321	0.334	0.328	0.314	0.296	0.316	9.33
45) METHYL ACRYLATE											
	1.427	2.048	1.928	1.944	1.819	1.936	1.931	1.857	1.763	1.850	9.66
46) CHLOROFORM											
	1.631	1.901	1.879	1.953	1.798	1.920	1.885	1.793	1.690	1.828	5.98
47) 2,4-DIMETHYLPENTANE											
	1.747	2.005	1.839	1.846	1.731	1.867	1.848	1.795	1.710	1.821	4.92
48) 1,1,1-TRICHLOROETHANE											
	1.636	2.058	1.974	2.049	1.936	2.054	2.060	1.992	1.881	1.960	6.97
49) CARBON TETRACHLORIDE											
	1.268	1.747	1.831	1.989	2.007	2.200	2.225	2.167	2.063	1.944	15.47
50) 1,2-DICHLOROETHANE											
	1.129	1.422	1.318	1.446	1.355	1.452	1.456	1.404	1.334	1.368	7.59
51) BENZENE											
	2.592	2.909	2.787	2.706	2.537	2.707	2.705	2.614	2.478	2.671	4.93
52) I 1,4-DIFLUOROBENZENE	----------ISTD----------										
53) CYCLOHEXANE											

Initial Calibration Summary

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		0.212	0.240	0.240	0.246	0.226	0.247	0.246	0.240	0.228	0.236	4.99
54)	2,3-DIMETHYLPENTANE											
		0.131	0.127	0.121	0.129	0.117	0.127	0.125	0.123	0.117	0.124	3.96
55)	TRICHLOROETHENE											
		0.194	0.269	0.255	0.272	0.252	0.269	0.268	0.260	0.248	0.254	9.52
56)	1,2-DICHLOROPROPANE											
		0.185	0.227	0.223	0.222	0.211	0.226	0.226	0.221	0.210	0.217	6.21
57)	DIBROMOMETHANE											
		0.265	0.280	0.230	0.244	0.214	0.236	0.233	0.229	0.218	0.239	8.92
58)	ETHYL ACRYLATE											
		0.346	0.447	0.496	0.453	0.459	0.493	0.495	0.489	0.469	0.461	10.22
59)	BROMODICHLOROMETHANE											
		0.315	0.409	0.389	0.406	0.402	0.442	0.438	0.432	0.412	0.405	9.41
60)	2,2,4-TRIMETHYLPENTANE											
		0.836	1.033	0.940	0.998	0.952	0.999	0.997	0.973	0.926	0.962	6.01
61)	1,4-DIOXANE											
		0.085	0.148	0.205	0.141	0.151	0.143	0.139	0.134	0.129	0.142	21.73
62)	HEPTANE											
		0.269	0.380	0.342	0.362	0.322	0.349	0.348	0.342	0.328	0.338	9.25
63)	METHYL METHACRYLATE											
		0.216	0.237	0.237	0.214	0.204	0.216	0.215	0.212	0.203	0.217	5.75
64)	METHYL ISOBUTYL KETONE											
		0.148	0.203	0.298	0.192	0.202	0.198	0.197	0.193	0.184	0.202	19.77
65)	CIS-1,3-DICHLOROPROPENE											
		0.252	0.333	0.325	0.344	0.340	0.370	0.372	0.369	0.352	0.340	10.89
66)	TOLUENE											
		0.706	0.762	0.707	0.693	0.667	0.718	0.719	0.709	0.677	0.707	3.87
67)	1,3-DICHLOROPROPANE											
		0.261	0.324	0.327	0.341	0.328	0.355	0.354	0.348	0.332	0.330	8.59
68)	TRANS-1,3-DICHLOROPROPENE											
		0.231	0.325	0.302	0.311	0.314	0.347	0.352	0.353	0.338	0.319	11.89
69)	1,1,2-TRICHLOROETHANE											
		0.164	0.195	0.200	0.200	0.191	0.203	0.203	0.200	0.191	0.194	6.39
70)	2-HEXANONE											
		0.203	0.278	0.613	0.275	0.378	0.280	0.279	0.272	0.257	0.315	38.27
71)	ETHYL METHACRYLATE											
		0.403	0.397	0.397	0.361	0.363	0.376	0.378	0.370	0.354	0.378	4.72
72)	TETRACHLOROETHENE											
		0.239	0.277	0.267	0.276	0.264	0.277	0.275	0.273	0.261	0.268	4.58
73)	DIBROMOCHLOROMETHANE											
		0.289	0.392	0.387	0.409	0.396	0.445	0.458	0.458	0.439	0.408	12.93
74)	1,2-DIBROMOETHANE											
		0.265	0.356	0.338	0.360	0.357	0.388	0.388	0.384	0.365	0.356	10.74
75)	OCTANE											
		0.440	0.501	0.503	0.481	0.449	0.490	0.492	0.488	0.466	0.479	4.72
76)	I CHLOROBENZENE-D5	----------	ISTD	----------								
77)	1,1,1,2-TETRACHLOROETHANE											
		0.233	0.339	0.312	0.329	0.314	0.347	0.347	0.339	0.317	0.320	11.00
78)	CHLOROBENZENE											
		0.470	0.579	0.568	0.615	0.577	0.625	0.625	0.608	0.571	0.582	8.24
79)	ETHYLBENZENE											
		1.042	1.027	1.003	0.984	0.923	1.000	0.995	0.975	0.915	0.985	4.33
80)	M,P-XYLENE											
		0.699	0.841	0.767	0.794	0.742	0.801	0.798	0.779	0.728	0.772	5.61
81)	O-XYLENE											
		0.739	0.837	0.777	0.774	0.744	0.801	0.798	0.777	0.731	0.775	4.39
82)	STYRENE											
		0.392	0.537	0.524	0.555	0.562	0.617	0.619	0.615	0.579	0.555	12.69
83)	NONANE											

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```
           0.527 0.522 0.529 0.541 0.514 0.553 0.553 0.544 0.510   0.533    3.00
 84)  BROMOFORM
           0.261 0.370 0.358 0.381 0.371 0.425 0.437 0.434 0.412   0.383   14.29
 85)  1,1,2,2-TETRACHLOROETHANE
           0.408 0.523 0.506 0.528 0.514 0.557 0.557 0.542 0.509   0.516    8.68
 86)  1,2,3-TRICHLOROPROPANE
           0.306 0.394 0.401 0.424 0.421 0.454 0.451 0.441 0.414   0.412   10.86
 87)  4-BROMOFLUOROBENZENE
           0.717 0.717 0.716 0.714 0.738 0.726 0.732 0.737 0.735   0.726    1.34
 88)  ISOPROPYLBENZENE
           0.229 0.294 0.293 0.305 0.295 0.320 0.320 0.314 0.296   0.296    9.27
 89)  BROMOBENZENE
           0.460 0.573 0.537 0.562 0.542 0.589 0.589 0.576 0.542   0.552    7.22
 90)  2-CHLOROTOLUENE
           0.173 0.276 0.265 0.268 0.274 0.299 0.299 0.294 0.277   0.269   14.21
 91)  N-PROPYLBENZENE
           0.199 0.292 0.284 0.299 0.311 0.335 0.335 0.334 0.314   0.300   14.10
 92)  4-ETHYLTOLUENE
           0.852 1.057 1.025 1.051 1.077 1.163 1.177 1.172 1.119   1.077    9.43
 93)  1,3,5-TRIMETHYLBENZENE
           0.724 0.880 0.876 0.896 0.910 0.970 0.982 0.987 0.932   0.906    8.90
 94)  ALPHA-METHYLSTYRENE
           0.329 0.422 0.430 0.445 0.473 0.512 0.523 0.530 0.503   0.463   13.93
 95)  TERT-BUTYLBENZENE
           0.175 0.209 0.215 0.216 0.222 0.233 0.234 0.231 0.217   0.217    8.36
 96)  1,2,4-TRIMETHYLBENZENE
           0.742 0.878 0.883 0.906 0.922 0.978 0.993 0.996 0.928   0.914    8.56
 97)  BENZYL CHLORIDE
           0.612 0.672 0.698 0.715 0.809 0.917 0.953 0.979 0.931   0.810   17.20
 98)  M-DICHLOROBENZENE
           0.464 0.593 0.602 0.618 0.620 0.678 0.691 0.694 0.653   0.624   11.36
 99)  P-DICHLOROBENZENE
           0.457 0.594 0.585 0.595 0.598 0.654 0.670 0.674 0.635   0.607   10.84
100)  O-DICHLOROBENZENE
           0.484 0.575 0.578 0.583 0.574 0.624 0.636 0.641 0.606   0.589    8.07
101)  SEC-BUTYLBENZENE
           0.197 0.251 0.263 0.274 0.279 0.295 0.298 0.296 0.278   0.270   11.75
102)  1,2,3-TRIMETHYLBENZENE
           0.735 0.879 0.889 0.912 0.911 0.975 0.992 1.004 0.945   0.916    8.85
103)  P-ISOPROPYLTOLUENE
           0.221 0.290 0.300 0.296 0.308 0.326 0.327 0.324 0.304   0.300   10.79
104)  N-BUTYLBENZENE
           0.210 0.269 0.273 0.293 0.301 0.322 0.328 0.330 0.309   0.293   12.98
105)  HEXACHLOROETHANE
           0.229 0.317 0.322 0.323 0.353 0.396 0.407 0.406 0.385   0.349   16.65
106)  HEXACHLOROBUTADIENE
           0.344 0.402 0.406 0.420 0.436 0.474 0.504 0.492 0.463   0.438   11.65
107)  1,2,4-TRICHLOROBENZENE
           0.367 0.354 0.367 0.400 0.515 0.587 0.632 0.664 0.643   0.503   26.18
108)  NAPHTHALENE
                 0.748 0.720 0.782 1.090 1.286 1.342 1.494 1.474   1.117   29.42

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
           4.273 4.626 4.148 4.425 4.130 4.221 4.321 4.157 3.915   4.246    4.74
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W405.M          Sun Dec 29 19:44:19 2024
```

Initial Calibration Verification

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W405-ICV405
Lab FileID: 7W11247.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w\7w11247.D Vial: 5
Acq On : 28 Dec 2024 6:36 pm Operator: benk
Sample : icv405-10 Inst : MS7W
Misc : MS74014,v7w405,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	98	0.00	3.23
2	T	FREON 115						
3	T	FREON 152A	0.476	0.512	-7.6	100	0.00	1.62
4	T	CHLORODIFLUOROMETHANE	0.242	0.255	-5.4	102	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.242	-6.6	99	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.658	-6.6	100	0.00	1.67
7	T	PROPYLENE	0.656	0.627	4.4	100	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.976	-7.0	101	0.00	1.70
9	T	FREON 114	1.978	2.125	-7.4	100	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.246	5.0	98	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.889	-6.3	99	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.676	5.2	100	0.00	1.81
13	T	N-BUTANE	1.297	1.274	1.8	101	0.00	1.82
14	T	BROMOMETHANE	0.748	0.771	-3.1	100	0.00	1.88
15	T	CHLOROETHANE	0.453	0.464	-2.4	100	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.915	-8.6	103	0.00	1.96
17	T	ACETONITRILE	0.804	0.794	1.2	104	0.00	2.02
18	T	ACROLEIN	0.422	0.421	0.2	105	0.00	2.06
19	T	FREON 123	1.903	1.900	0.2	97	0.00	2.08
20	T	FREON 123A	1.185	1.123	5.2	91	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.404	-9.5	100	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.854	-0.1	102	0.00	2.17
23	T	ACETONE	0.581	0.468	19.4	101	0.00	2.10
24	T	PENTANE	0.890	0.900	-1.1	100	0.00	2.27
25	T	IODOMETHANE	2.012	2.204	-9.5	100	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.846	2.4	101	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.476	-14.7	106	0.00	2.49
28	T	ETHANOL	0.507	0.416	17.9	87	0.00	1.96
29	T	BROMOETHENE	0.797	0.815	-2.3	98	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.624	13.2	100	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.772	2.4	102	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.431	-4.6	101	0.00	2.44
33	T	FREON 113	1.313	1.457	-11.0	102	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.928	-2.8	103	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.441	-14.5	110	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.684	-4.0	99	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.465	-16.3	104	0.00	3.51
38	T	HEXANE	1.647	1.605	2.6	97	0.00	3.28
39	T	VINYL ACETATE	0.244	0.267	-9.4	104	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.714	-6.1	99	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.463	-4.3	98	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.993	-6.8	100	0.00	3.15

Initial Calibration Verification

Job Number: JE5344 **Sample:** V7W405-ICV405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11247.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.469	-2.9	100	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.332	-5.1	97	0.00	3.28
45	T	METHYL ACRYLATE	1.850	1.989	-7.5	100	0.00	3.27
46	T	CHLOROFORM	1.828	1.993	-9.0	101	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.866	-2.5	98	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.104	-7.3	100	0.00	3.86
49	T	CARBON TETRACHLORIDE	1.944	2.247	-15.6	100	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.485	-8.6	100	0.00	3.70
51	t	BENZENE	2.671	2.775	-3.9	100	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.249	-5.5	99	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.128	-3.2	99	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.275	-8.3	100	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.232	-6.9	100	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.245	-2.5	102	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.505	-9.5	100	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.449	-10.9	100	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.005	-4.5	98	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.144	-1.4	99	0.00	5.08
62	T	HEPTANE	0.338	0.350	-3.6	98	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.220	-1.4	100	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.200	1.0	98	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.352	-3.5	93	0.00	5.99
66	T	TOLUENE	0.707	0.721	-2.0	98	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.363	-10.0	100	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.352	-10.3	99	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.210	-8.2	101	0.00	6.82
70	T	2-HEXANONE	0.315	0.284	9.8	99	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.386	-2.1	100	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.281	-4.9	99	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.456	-11.8	100	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.398	-11.8	100	0.00	8.06
75	T	OCTANE	0.479	0.491	-2.5	98	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.353	-10.3	100	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.631	-8.4	99	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.014	-2.9	99	0.00	10.99
80	t	M,P-XYLENE	0.772	0.809	-4.8	99	0.00	11.42
81	t	O-XYLENE	0.775	0.802	-3.5	98	0.00	12.34
82	T	STYRENE	0.555	0.620	-11.7	99	0.00	12.14
83	T	NONANE	0.533	0.556	-4.3	99	0.00	13.47
84	T	BROMOFORM	0.383	0.409	-6.8	94	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.575	-11.4	101	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.465	-12.9	101	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.730	-0.6	99	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.327	-10.5	100	0.00	13.86
89	T	BROMOBENZENE	0.552	0.606	-9.8	101	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.308	-14.5	101	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.338	-12.7	99	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.184	-9.9	100	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.984	-8.6	99	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.536	-15.8	103	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.237	-9.2	100	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	0.996	-9.0	100	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.987	-21.9	106	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.693	-11.1	100	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.670	-10.4	100	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.639	-8.5	100	0.00	17.01

Initial Calibration Verification

Job Number: JE5344 **Sample:** V7W405-ICV405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11247.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.303	-12.2	101	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	0.994	-8.5	100	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.334	-11.3	100	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.323	-10.2	98	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.399	-14.3	99	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.460	-5.0	95	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.577	-14.7	96	0.00	18.32
108	T	NAPHTHALENE	1.117	1.318	-18.0	100	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.421	-4.1	102	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Dec 30 11:08:54 2024

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W423-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11818.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...7-25\v7w423\7w11818.D Vial: 2
Acq On : 16 Jan 2025 11:34 am Operator: williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	105	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.513	-7.8	107	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.239	1.2	102	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.150	1.3	98	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.896	-16.2	117	0.00	1.67
7	T	PROPYLENE	0.656	0.535	18.4	91	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.282	-23.6	125	0.00	1.70
9	T	FREON 114	1.978	2.437	-23.2	123	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.258	0.4	110	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.998	-19.4	119	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.694	2.7	110	0.00	1.81
13	T	N-BUTANE	1.297	1.180	9.0	101	0.00	1.83
14	T	BROMOMETHANE	0.748	0.844	-12.8	118	0.00	1.88
15	T	CHLOROETHANE	0.453	0.515	-13.7	119	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.045	-16.0	118	0.00	1.96
17	T	ACETONITRILE	0.804	0.691	14.1	97	0.00	2.03
18	T	ACROLEIN	0.422	0.414	1.9	111	0.00	2.06
19	T	FREON 123	1.903	2.176	-14.3	120	0.00	2.08
20	T	FREON 123A	1.185	1.218	-2.8	106	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.473	-12.6	110	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.656	10.6	98	0.00	2.18
23	T	ACETONE	0.581	0.486	16.4	113	0.00	2.10
24	T	PENTANE	0.890	0.807	9.3	96	0.00	2.27
25	T	IODOMETHANE	2.012	2.074	-3.1	102	0.00	2.34
26	T	1,1-DICHLOROETHYLENE	0.867	0.916	-5.7	117	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.738	-26.8	126	0.00	2.50
28	T	ETHANOL	0.507	0.436	14.0	98	0.00	1.96
29	T	BROMOETHENE	0.797	0.844	-5.9	109	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.606	15.7	104	0.00	2.25
31	T	METHYLENE CHLORIDE	0.791	0.857	-8.3	122	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.472	-14.6	119	0.00	2.44
33	T	FREON 113	1.313	1.409	-7.3	106	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.842	6.8	100	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.176	-2.1	105	0.00	2.38
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.194	15.0	87	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.456	-14.0	110	0.00	3.51
38	T	HEXANE	1.647	1.632	0.9	106	0.00	3.28
39	T	VINYL ACETATE	0.244	0.200	18.0	83	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.470	9.0	91	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.467	-5.2	106	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.962	-3.4	104	0.00	3.15

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W423-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11818.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.469	-2.9	107	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.326	-3.2	103	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.875	-1.4	102	0.00	3.27
46	T	CHLOROFORM	1.828	1.981	-8.4	108	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.829	-0.4	103	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	1.937	1.2	99	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	1.876	3.5	89	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.457	-6.5	105	0.00	3.70
51	t	BENZENE	2.671	2.763	-3.4	107	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	105	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.252	-6.8	107	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.128	-3.2	106	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.266	-4.7	104	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.226	-4.1	105	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.219	8.4	98	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.452	2.0	97	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.439	-8.4	105	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	0.983	-2.2	104	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.140	1.4	103	0.00	5.07
62	T	HEPTANE	0.338	0.316	6.5	95	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.206	5.1	100	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.196	3.0	104	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.348	-2.4	99	0.00	5.99
66	T	TOLUENE	0.707	0.704	0.4	103	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.361	-9.4	107	0.00	7.24
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.307	3.8	93	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.207	-6.7	107	0.00	6.82
70	T	2-HEXANONE	0.315	0.276	12.4	104	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.353	6.6	99	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.261	2.6	99	0.00	8.90
73	T	DIBROMOCHLOROMETHANE	0.408	0.400	2.0	95	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.367	-3.1	99	0.00	8.06
75	T	OCTANE	0.479	0.440	8.1	95	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	105	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.296	7.5	89	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.601	-3.3	101	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.977	0.8	102	0.00	10.99
80	t	M,P-XYLENE	0.772	0.790	-2.3	103	0.00	11.42
81	t	O-XYLENE	0.775	0.800	-3.2	105	0.00	12.34
82	T	STYRENE	0.555	0.583	-5.0	99	0.00	12.13
83	T	NONANE	0.533	0.511	4.1	97	0.00	13.47
84	T	BROMOFORM	0.383	0.372	2.9	92	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.592	-14.7	111	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.461	-11.9	107	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.768	-5.8	111	0.00	13.39
88	T	ISOPROPYLBENZENE	0.296	0.301	-1.7	98	0.00	13.86
89	T	BROMOBENZENE	0.552	0.585	-6.0	104	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.275	-2.2	96	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.310	-3.3	97	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.133	-5.2	102	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.950	-4.9	103	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.491	-6.0	101	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.219	-0.9	98	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.006	-10.1	108	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.674	16.8	77	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.649	-4.0	100	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.629	-3.6	101	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.610	-3.6	102	0.00	17.01

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W423-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11818.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.280	-3.7	99	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.011	-10.4	109	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.315	-5.0	101	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.312	-6.5	101	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.332	4.9	88	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.546	-24.7	121	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.602	-19.7	107	0.00	18.32
108	T	NAPHTHALENE	1.117	1.279	-14.5	104	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	105	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.091	3.7	102	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Thu Jan 16 23:00:23 2025

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W426-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11930.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...0-25\V7W426\7w11930.D Vial: 4
Acq On : 19 Jan 2025 11:30 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w426,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	91	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.515	-8.2	93	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.247	-2.1	91	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.184	-1.6	87	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	3.074	-23.3	107	0.00	1.67
7	T	PROPYLENE	0.656	0.553	15.7	82	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.432	-31.7#	115	0.00	1.70
9	T	FREON 114	1.978	2.554	-29.1	111	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.290	-12.0	107	0.00	1.71
11	T	VINYL CHLORIDE	0.836	1.096	-31.1#	113	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.773	-8.4	106	0.00	1.81
13	T	N-BUTANE	1.297	1.393	-7.4	103	0.00	1.83
14	T	BROMOMETHANE	0.748	0.898	-20.1	109	0.00	1.88
15	T	CHLOROETHANE	0.453	0.558	-23.2	112	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.122	-20.4	106	0.00	1.96
17	T	ACETONITRILE	0.804	0.711	11.6	86	0.00	2.03
18	T	ACROLEIN	0.422	0.424	-0.5	98	0.00	2.06
19	T	FREON 123	1.903	2.247	-18.1	107	0.00	2.08
20	T	FREON 123A	1.185	1.259	-6.2	95	0.00	2.10
21	T	TRICHLOROFLUOROMETHANE	2.196	2.535	-15.4	98	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.705	8.0	87	0.00	2.18
23	T	ACETONE	0.581	0.495	14.8	99	0.00	2.10
24	T	PENTANE	0.890	0.837	6.0	86	0.00	2.27
25	T	IODOMETHANE	2.012	2.119	-5.3	90	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.925	-6.7	102	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.840	-31.5#	113	0.00	2.50
28	T	ETHANOL	0.507	0.460	9.3	90	0.00	1.96
29	T	BROMOETHENE	0.797	0.881	-10.5	99	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.630	12.4	94	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.882	-11.5	109	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.489	-18.7	107	0.00	2.44
33	T	FREON 113	1.313	1.456	-10.9	95	0.00	2.50
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.974	-7.9	100	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.225	-4.4	93	0.00	2.38
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.398	7.1	82	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.465	-16.3	97	0.00	3.51
38	T	HEXANE	1.647	1.701	-3.3	95	0.00	3.28
39	T	VINYL ACETATE	0.244	0.241	1.2	87	0.00	2.87
40	T	1,1-DICHLOROETHANE	1.615	1.548	4.1	83	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.483	-8.8	95	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.987	-6.1	92	0.00	3.15

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W426-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11930.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.483	-5.9	96	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.347	-9.8	94	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.981	-7.1	93	0.00	3.27
46	T	CHLOROFORM	1.828	2.057	-12.5	97	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.895	-4.1	92	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.011	-2.6	89	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	1.969	-1.3	81	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.515	-10.7	95	0.00	3.70
51	t	BENZENE	2.671	2.850	-6.7	95	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	92	0.00	4.50
53	T	CYCLOHEXANE	0.236	0.254	-7.6	94	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.130	-4.8	94	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.273	-7.5	93	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.236	-8.8	95	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.223	6.7	87	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.482	-4.6	89	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.454	-12.1	94	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.015	-5.5	93	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.144	-1.4	92	0.00	5.08
62	T	HEPTANE	0.338	0.330	2.4	87	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.217	0.0	92	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.203	-0.5	94	0.00	6.10
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.362	-6.5	90	0.00	5.99
66	T	TOLUENE	0.707	0.726	-2.7	93	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.371	-12.4	96	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.321	-0.6	85	0.00	6.67
69	T	1,1,2-TRICHLOROETHANE	0.194	0.214	-10.3	96	0.00	6.82
70	T	2-HEXANONE	0.315	0.286	9.2	93	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.375	0.8	91	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.268	0.0	89	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.418	-2.5	86	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.378	-6.2	89	0.00	8.06
75	T	OCTANE	0.479	0.466	2.7	87	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	91	0.00	10.04
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.306	4.4	80	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.617	-6.0	90	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.003	-1.8	92	0.00	10.99
80	t	M,P-XYLENE	0.772	0.813	-5.3	93	0.00	11.42
81	t	O-XYLENE	0.775	0.817	-5.4	93	0.00	12.35
82	T	STYRENE	0.555	0.600	-8.1	89	0.00	12.14
83	T	NONANE	0.533	0.534	-0.2	88	0.00	13.47
84	T	BROMOFORM	0.383	0.398	-3.9	85	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.613	-18.8	100	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.480	-16.5	97	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.778	-7.2	98	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.308	-4.1	88	0.00	13.86
89	T	BROMOBENZENE	0.552	0.607	-10.0	94	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.282	-4.8	86	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.320	-6.7	87	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.160	-7.7	91	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.978	-7.9	92	0.00	15.92
94	T	ALPHA-METHYLSTYRENE	0.463	0.503	-8.6	90	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.224	-3.2	88	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.034	-13.1	96	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.703	13.2	70	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.663	-6.3	89	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.647	-6.6	90	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.629	-6.8	92	0.00	17.01

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W426-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11930.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.289	-7.0	89	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.033	-12.8	97	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.321	-7.0	90	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.316	-7.8	90	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.350	-0.3	81	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.554	-26.5	106	-0.01	18.62
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.605	-20.3	94	0.00	18.31
108	T	NAPHTHALENE		----------NA----------				
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	91	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.220	0.6	91	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Jan 20 16:12:37 2025

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W427-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11967.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2225\v7w427\7w11967.D Vial: 2
Acq On : 21 Jan 2025 10:12 am Operator: williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w427,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	99	0.00	3.22
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.502	-5.5	99	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.244	-0.8	99	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.154	0.9	93	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.969	-19.1	113	0.00	1.67
7	T	PROPYLENE	0.656	0.549	16.3	88	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.351	-27.3	121	0.00	1.70
9	T	FREON 114	1.978	2.463	-24.5	117	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.277	-6.9	111	0.00	1.71
11	T	VINYL CHLORIDE	0.836	1.031	-23.3	116	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.754	-5.8	112	0.00	1.81
13	T	N-BUTANE	1.297	1.334	-2.9	107	0.00	1.82
14	T	BROMOMETHANE	0.748	0.864	-15.5	114	0.00	1.88
15	T	CHLOROETHANE	0.453	0.540	-19.2	118	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.171	-23.1	118	0.00	1.96
17	T	ACETONITRILE	0.804	0.810	-0.7	107	0.00	2.02
18	T	ACROLEIN	0.422	0.401	5.0	101	0.00	2.06
19	T	FREON 123	1.903	2.171	-14.1	113	0.00	2.07
20	T	FREON 123A	1.185	1.226	-3.5	100	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.470	-12.5	104	0.00	2.15
22	T	ISOPROPYL ALCOHOL	1.853	1.656	10.6	92	0.00	2.17
23	T	ACETONE	0.581	0.482	17.0	105	0.00	2.10
24	T	PENTANE	0.890	0.814	8.5	91	0.00	2.27
25	T	IODOMETHANE	2.012	2.103	-4.5	97	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.914	-5.4	110	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.744	-27.1	119	0.00	2.49
28	T	ETHANOL	0.507	0.501	1.2	107	0.00	1.96
29	T	BROMOETHENE	0.797	0.865	-8.5	105	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.612	14.9	99	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.854	-8.0	114	0.00	2.39
32	T	3-CHLOROPROPENE	0.412	0.470	-14.1	112	0.00	2.43
33	T	FREON 113	1.313	1.414	-7.7	100	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.925	-2.4	104	0.00	2.71
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.174	-2.0	99	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.263	12.3	84	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.449	-12.2	102	0.00	3.50
38	T	HEXANE	1.647	1.646	0.1	100	0.00	3.27
39	T	VINYL ACETATE	0.244	0.210	13.9	82	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.531	5.2	89	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.467	-5.2	100	0.00	2.95
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.957	-2.9	97	0.00	3.14

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W427-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11967.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.467	-2.4	101	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.336	-6.3	99	0.00	3.28
45	T	METHYL ACRYLATE	1.850	1.930	-4.3	98	0.00	3.27
46	T	CHLOROFORM	1.828	1.988	-8.8	102	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.832	-0.6	97	0.00	3.78
48	T	1,1,1-TRICHLOROETHANE	1.960	1.963	-0.2	94	0.00	3.86
49	T	CARBON TETRACHLORIDE	1.944	1.930	0.7	87	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.464	-7.0	100	0.00	3.70
51	t	BENZENE	2.671	2.760	-3.3	101	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.250	-5.9	100	0.00	4.37
54	T	2,3-DIMETHYLPENTANE	0.124	0.127	-2.4	100	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.266	-4.7	98	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.228	-5.1	100	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.218	8.8	92	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.468	-1.5	94	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.444	-9.6	99	0.00	5.00
60	T	2,2,4-TRIMETHYLPENTANE	0.962	0.988	-2.7	98	0.00	5.15
61	T	1,4-DIOXANE	0.142	0.141	0.7	98	0.00	5.07
62	T	HEPTANE	0.338	0.324	4.1	92	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.212	2.3	97	0.00	5.36
64	T	METHYL ISOBUTYL KETONE	0.202	0.197	2.5	98	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.354	-4.1	95	0.00	5.99
66	T	TOLUENE	0.707	0.703	0.6	97	0.00	7.18
67	T	1,3-DICHLOROPROPANE	0.330	0.360	-9.1	100	0.00	7.24
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.317	0.6	90	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.208	-7.2	101	0.00	6.82
70	T	2-HEXANONE	0.315	0.281	10.8	99	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.362	4.2	95	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.268	0.0	96	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.407	0.2	91	0.00	7.71
74	T	1,2-DIBROMOETHANE	0.356	0.369	-3.7	94	0.00	8.06
75	T	OCTANE	0.479	0.451	5.8	91	0.00	9.05
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.302	5.6	86	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.602	-3.4	95	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.984	0.1	97	0.00	10.99
80	t	M,P-XYLENE	0.772	0.798	-3.4	98	0.00	11.41
81	t	O-XYLENE	0.775	0.804	-3.7	99	0.00	12.35
82	T	STYRENE	0.555	0.586	-5.6	93	0.00	12.13
83	T	NONANE	0.533	0.524	1.7	93	0.00	13.47
84	T	BROMOFORM	0.383	0.383	0.0	89	0.00	11.22
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.596	-15.5	105	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.470	-14.1	102	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.783	-7.9	106	0.00	13.39
88	T	ISOPROPYLBENZENE	0.296	0.300	-1.4	92	0.00	13.86
89	T	BROMOBENZENE	0.552	0.591	-7.1	99	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.274	-1.9	90	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.311	-3.7	91	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.155	-7.2	98	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.964	-6.4	98	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.497	-7.3	96	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.220	-1.4	93	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.024	-12.0	103	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.714	11.9	77	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.654	-4.8	95	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.637	-4.9	96	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.619	-5.1	98	0.00	17.01

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W427-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11967.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.285	-5.6	95	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.014	-10.7	102	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.312	-4.0	94	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.312	-6.5	95	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.338	3.2	84	0.00	17.58
106	T	HEXACHLOROBUTADIENE	0.438	0.541	-23.5	112	0.00	18.64
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.604	-20.1	101	0.00	18.32
108	T	NAPHTHALENE	1.117	1.330	-19.1	102	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	99	0.00	3.22
110		TVHC as equiv Pentane	4.246	4.048	4.7	95	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Wed Jan 22 10:01:40 2025

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W428-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12001.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2325\v7w428\7w12001.D Vial: 2
Acq On : 22 Jan 2025 10:14 am Operator: williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88885,v7w428,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	87	0.00	3.22
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.483	-1.5	84	0.00	1.62
4	T	CHLORODIFLUOROMETHANE	0.242	0.260	-7.4	93	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.183	-1.5	84	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.865	-14.9	96	0.00	1.67
7	T	PROPYLENE	0.656	0.560	14.6	79	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.147	-16.2	98	0.00	1.70
9	T	FREON 114	1.978	2.268	-14.7	95	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.260	-0.4	92	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.876	-4.8	87	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.619	13.2	81	0.00	1.81
13	T	N-BUTANE	1.297	1.096	15.5	78	0.00	1.82
14	T	BROMOMETHANE	0.748	0.788	-5.3	92	0.00	1.88
15	T	CHLOROETHANE	0.453	0.463	-2.2	89	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.862	-5.6	89	0.00	1.96
17	T	ACETONITRILE	0.804	0.637	20.8	74	0.00	2.02
18	T	ACROLEIN	0.422	0.356	15.6	79	0.00	2.06
19	T	FREON 123	1.903	2.057	-8.1	94	0.00	2.07
20	T	FREON 123A	1.185	1.167	1.5	84	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.319	-5.6	86	0.00	2.15
22	T	ISOPROPYL ALCOHOL	1.853	1.509	18.6	74	0.00	2.17
23	T	ACETONE	0.581	0.430	26.0	83	0.00	2.10
24	T	PENTANE	0.890	0.737	17.2	73	0.00	2.27
25	T	IODOMETHANE	2.012	2.104	-4.6	85	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.854	1.5	90	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.666	-23.5	102	0.00	2.49
28	T	ETHANOL	0.507	0.391	22.9	73	0.00	1.96
29	T	BROMOETHENE	0.797	0.811	-1.8	87	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.546	24.1	78	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.792	-0.1	94	0.00	2.39
32	T	3-CHLOROPROPENE	0.412	0.430	-4.4	90	0.00	2.43
33	T	FREON 113	1.313	1.470	-12.0	92	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.976	-8.1	96	0.00	2.71
35	T	TERTIARY BUTYL ALCOHOL	2.131	1.889	11.4	76	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.589	-0.3	85	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.463	-15.8	92	0.00	3.51
38	T	HEXANE	1.647	1.655	-0.5	89	0.00	3.27
39	T	VINYL ACETATE	0.244	0.225	7.8	78	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.723	-6.7	88	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.483	-8.8	91	0.00	2.95
42	T	CIS-1,2-DICHLOROETHENE	0.930	1.005	-8.1	90	0.00	3.15

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W428-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12001.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.467	-2.4	89	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.330	-4.4	86	0.00	3.28
45	T	METHYL ACRYLATE	1.850	1.917	-3.6	86	0.00	3.27
46	T	CHLOROFORM	1.828	2.112	-15.5	96	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.859	-2.1	87	0.00	3.78
48	T	1,1,1-TRICHLOROETHANE	1.960	2.099	-7.1	89	0.00	3.86
49	T	CARBON TETRACHLORIDE	1.944	2.099	-8.0	83	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.547	-13.1	93	0.00	3.70
51	t	BENZENE	2.671	2.868	-7.4	92	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	87	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.258	-9.3	90	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.132	-6.5	90	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.284	-11.8	91	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.229	-5.5	88	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.241	-0.8	89	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.467	-1.3	82	0.00	4.94
59	T	BROMODICHLOROMETHANE	0.405	0.479	-18.3	94	0.00	5.00
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.004	-4.4	87	0.00	5.15
61	T	1,4-DIOXANE	0.142	0.147	-3.5	89	0.00	5.07
62	T	HEPTANE	0.338	0.340	-0.6	85	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.217	0.0	87	0.00	5.36
64	T	METHYL ISOBUTYL KETONE	0.202	0.200	1.0	87	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.370	-8.8	87	0.00	5.99
66	T	TOLUENE	0.707	0.742	-5.0	89	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.380	-15.2	93	0.00	7.24
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.331	-3.8	83	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.215	-10.8	92	0.00	6.82
70	T	2-HEXANONE	0.315	0.278	11.7	86	0.00	7.75
71	T	ETHYL METHACRYLATE	0.378	0.374	1.1	86	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.293	-9.3	92	0.00	8.90
73	T	DIBROMOCHLOROMETHANE	0.408	0.445	-9.1	87	0.00	7.71
74	T	1,2-DIBROMOETHANE	0.356	0.392	-10.1	87	0.00	8.05
75	T	OCTANE	0.479	0.477	0.4	84	0.00	9.05
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	86	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.345	-7.8	85	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.642	-10.3	88	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.043	-5.9	89	0.00	10.99
80	t	M,P-XYLENE	0.772	0.851	-10.2	91	0.00	11.41
81	t	O-XYLENE	0.775	0.857	-10.6	92	0.00	12.35
82	T	STYRENE	0.555	0.625	-12.6	87	0.00	12.14
83	T	NONANE	0.533	0.555	-4.1	86	0.00	13.47
84	T	BROMOFORM	0.383	0.425	-11.0	86	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.624	-20.9	96	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.498	-20.9	94	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.796	-9.6	94	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.322	-8.8	86	0.00	13.85
89	T	BROMOBENZENE	0.552	0.634	-14.9	92	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.294	-9.3	84	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.334	-11.3	86	0.00	15.19
92	T	4-ETHYLTOLUENE	1.077	1.214	-12.7	90	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	1.029	-13.6	91	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.524	-13.2	88	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.247	-13.8	91	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.078	-17.9	95	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.720	11.1	67	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.738	-18.3	93	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.714	-17.6	94	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.690	-17.1	95	0.00	17.01

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W428-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12001.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.314	-16.3	91	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.070	-16.8	94	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.348	-16.0	92	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.349	-19.1	93	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.359	-2.9	78	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.581	-32.6#	105	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.654	-30.0#	96	0.00	18.32
108	T	NAPHTHALENE	1.117	1.358	-21.6	91	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	87	0.00	3.22
110		TVHC as equiv Pentane	4.246	3.633	14.4	75	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Thu Jan 23 01:34:11 2025

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W457-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12939.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w12939.D Vial: 1
Acq On : 23 Feb 2025 6:55 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS89637,v7w457,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	101	0.00	3.23
2	T	FREON 115	0.000	0.762	0.0	0#	0.00	1.60
3	T	FREON 152A	0.476	0.484	-1.7	98	0.00	1.62
4	T	CHLORODIFLUOROMETHANE	0.242	0.220	9.1	91	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.193	-2.4	98	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.454	1.6	96	0.00	1.67
7	T	PROPYLENE	0.656	0.618	5.8	102	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.631	11.7	86	0.00	1.70
9	T	FREON 114	1.978	2.048	-3.5	100	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.264	-1.9	109	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.955	-14.2	110	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.734	-2.9	112	0.00	1.81
13	T	N-BUTANE	1.297	1.280	1.3	106	0.00	1.82
14	T	BROMOMETHANE	0.748	0.796	-6.4	108	0.00	1.88
15	T	CHLOROETHANE	0.453	0.495	-9.3	111	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.794	-1.8	100	0.00	1.96
17	T	ACETONITRILE	0.804	0.809	-0.6	110	0.00	2.02
18	T	ACROLEIN	0.422	0.423	-0.2	110	0.00	2.06
19	T	FREON 123	1.903	2.003	-5.3	107	0.00	2.07
20	T	FREON 123A	1.185	1.200	-1.3	101	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.110	3.9	91	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.920	-3.6	110	0.00	2.17
23	T	ACETONE	0.581	0.503	13.4	113	0.00	2.10
24	T	PENTANE	0.890	0.928	-4.3	107	0.00	2.27
25	T	IODOMETHANE	2.012	2.149	-6.8	102	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.859	0.9	106	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.287	-5.9	102	0.00	2.49
28	T	ETHANOL	0.507	0.613	-20.9	134	0.00	1.96
29	T	BROMOETHENE	0.797	0.825	-3.5	103	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.660	8.2	110	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.775	2.0	107	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.396	3.9	97	0.00	2.44
33	T	FREON 113	1.313	1.428	-8.8	104	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.919	-1.8	106	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	1.924	9.7	90	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.348	9.0	90	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.430	-7.5	100	0.00	3.51
38	T	HEXANE	1.647	1.656	-0.5	104	0.00	3.28
39	T	VINYL ACETATE	0.244	0.224	8.2	90	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.667	-3.2	100	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.455	-2.5	100	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.966	-3.9	101	0.00	3.15

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W457-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12939.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.464	-1.8	103	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.326	-3.2	99	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.868	-1.0	98	0.00	3.27
46	T	CHLOROFORM	1.828	1.822	0.3	96	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.893	-4.0	103	0.00	3.78
48	T	1,1,1-TRICHLOROETHANE	1.960	1.846	5.8	91	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	1.910	1.7	88	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.280	6.4	89	0.00	3.70
51	t	BENZENE	2.671	2.664	0.3	100	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.252	-6.8	101	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.125	-0.8	98	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.269	-5.9	99	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.233	-7.4	102	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.253	-5.9	106	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.476	-3.3	95	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.421	-4.0	94	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.042	-8.3	103	0.00	5.15
61	T	1,4-DIOXANE	0.142	0.140	1.4	97	0.00	5.08
62	T	HEPTANE	0.338	0.355	-5.0	100	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.207	4.6	94	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.207	-2.5	103	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.336	1.2	89	0.00	5.99
66	T	TOLUENE	0.707	0.713	-0.8	98	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.344	-4.2	96	0.00	7.24
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.298	6.6	85	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.208	-7.2	101	0.00	6.82
70	T	2-HEXANONE	0.315	0.288	8.6	101	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.354	6.3	93	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.297	-10.8	106	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.448	-9.8	99	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.387	-8.7	98	0.00	8.06
75	T	OCTANE	0.479	0.498	-4.0	100	0.00	9.05
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	10.04
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.333	-4.1	94	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.645	-10.8	101	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.989	-0.4	97	0.00	10.99
80	t	M,P-XYLENE	0.772	0.787	-1.9	96	0.00	11.42
81	t	O-XYLENE	0.775	0.786	-1.4	96	0.00	12.35
82	T	STYRENE	0.555	0.619	-11.5	98	0.00	12.14
83	T	NONANE	0.533	0.554	-3.9	98	0.00	13.47
84	T	BROMOFORM	0.383	0.449	-17.2	103	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.576	-11.6	101	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.443	-7.5	96	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.740	-1.9	100	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.331	-11.8	101	0.00	13.86
89	T	BROMOBENZENE	0.552	0.563	-2.0	94	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.308	-14.5	101	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.346	-15.3	101	0.00	15.19
92	T	4-ETHYLTOLUENE	1.077	1.159	-7.6	98	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.955	-5.4	96	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.516	-11.4	99	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.239	-10.1	100	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	0.967	-5.8	97	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.634	21.7	68	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.715	-14.6	103	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.692	-14.0	104	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.654	-11.0	103	0.00	17.01

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W457-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12939.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.295	-9.3	98	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	0.943	-2.9	95	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.322	-7.3	97	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.316	-7.8	96	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.344	1.4	85	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.503	-14.8	104	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.574	-14.1	96	0.00	18.32
108	T	NAPHTHALENE	1.117	1.159	-3.8	88	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	101	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.415	-4.0	106	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Feb 24 03:37:37 2025

6.9.15

6

Continuing Calibration Summary

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W457-ECC405
Lab FileID: 7W12972.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...5\V7W457 hw\7w12972.D Vial: 1
Acq On : 24 Feb 2025 5:25 pm Operator: benk
Sample : ecc405-10 Inst : MS7W
Misc : MS89637,v7w457,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	98	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.492	-3.4	96	0.00	1.62
4	T	CHLORODIFLUOROMETHANE	0.242	0.217	10.3	87	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.209	-3.8	97	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.455	1.5	93	0.00	1.67
7	T	PROPYLENE	0.656	0.628	4.3	101	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.623	12.1	83	0.00	1.70
9	T	FREON 114	1.978	2.039	-3.1	96	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.264	-1.9	106	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.954	-14.1	107	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.723	-1.4	107	0.00	1.81
13	T	N-BUTANE	1.297	1.269	2.2	101	0.00	1.82
14	T	BROMOMETHANE	0.748	0.787	-5.2	103	0.00	1.88
15	T	CHLOROETHANE	0.453	0.491	-8.4	106	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.779	-0.9	96	0.00	1.96
17	T	ACETONITRILE	0.804	0.817	-1.6	107	0.00	2.02
18	T	ACROLEIN	0.422	0.417	1.2	105	0.00	2.06
19	T	FREON 123	1.903	2.002	-5.2	103	0.00	2.07
20	T	FREON 123A	1.185	1.198	-1.1	98	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.091	4.8	87	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.854	-0.1	103	0.00	2.17
23	T	ACETONE	0.581	0.506	12.9	110	0.00	2.10
24	T	PENTANE	0.890	0.923	-3.7	103	0.00	2.27
25	T	IODOMETHANE	2.012	2.167	-7.7	99	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.858	1.0	103	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.268	-5.0	98	0.00	2.50
28	T	ETHANOL	0.507	0.605	-19.3	128	0.00	1.96
29	T	BROMOETHENE	0.797	0.818	-2.6	99	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.658	8.5	106	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.773	2.3	103	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.398	3.4	94	0.00	2.44
33	T	FREON 113	1.313	1.443	-9.9	102	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.927	-2.7	103	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	1.930	9.4	88	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.376	7.9	88	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.431	-7.7	97	0.00	3.51
38	T	HEXANE	1.647	1.665	-1.1	101	0.00	3.28
39	T	VINYL ACETATE	0.244	0.229	6.1	90	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.677	-3.8	97	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.454	-2.3	96	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.971	-4.4	98	0.00	3.15

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W457-ECC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12972.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.464	-1.8	100	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.335	-6.0	99	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.909	-3.2	97	0.00	3.27
46	T	CHLOROFORM	1.828	1.820	0.4	93	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.893	-4.0	100	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	1.836	6.3	88	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	1.857	4.5	83	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.288	5.8	87	0.00	3.70
51	t	BENZENE	2.671	2.665	0.2	97	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	95	0.00	4.50
53	T	CYCLOHEXANE	0.236	0.253	-7.2	97	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.127	-2.4	96	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.271	-6.7	96	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.236	-8.8	100	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.258	-7.9	104	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.488	-5.9	94	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.420	-3.7	91	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.050	-9.1	100	0.00	5.15
61	T	1,4-DIOXANE	0.142	0.142	0.0	95	0.00	5.08
62	T	HEPTANE	0.338	0.360	-6.5	98	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.211	2.8	93	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.208	-3.0	100	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.339	0.3	87	0.00	5.99
66	T	TOLUENE	0.707	0.722	-2.1	96	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.349	-5.8	94	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.298	6.6	82	0.00	6.67
69	T	1,1,2-TRICHLOROETHANE	0.194	0.210	-8.2	98	0.00	6.82
70	T	2-HEXANONE	0.315	0.293	7.0	100	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.362	4.2	92	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.300	-11.9	103	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.446	-9.3	95	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.390	-9.6	96	0.00	8.06
75	T	OCTANE	0.479	0.505	-5.4	98	0.00	9.05
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.329	-2.8	90	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.650	-11.7	99	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.992	-0.7	94	0.00	10.99
80	t	M,P-XYLENE	0.772	0.787	-1.9	93	0.00	11.42
81	t	O-XYLENE	0.775	0.792	-2.2	94	0.00	12.35
82	T	STYRENE	0.555	0.622	-12.1	96	0.00	12.14
83	T	NONANE	0.533	0.562	-5.4	97	0.00	13.47
84	T	BROMOFORM	0.383	0.447	-16.7	100	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.582	-12.8	100	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.444	-7.8	93	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.740	-1.9	97	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.333	-12.5	99	0.00	13.85
89	T	BROMOBENZENE	0.552	0.569	-3.1	92	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.312	-16.0	99	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.346	-15.3	99	0.00	15.19
92	T	4-ETHYLTOLUENE	1.077	1.162	-7.9	95	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.962	-6.2	94	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.525	-13.4	98	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.241	-11.1	98	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	0.980	-7.2	95	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.614	24.2	64	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.726	-16.3	102	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.706	-16.3	103	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.676	-14.8	103	0.00	17.01

Continuing Calibration Summary

Job Number: JE5344 **Sample:** V7W457-ECC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12972.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.304	-12.6	98	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	0.965	-5.3	94	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.332	-10.7	97	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.326	-11.3	97	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.333	4.6	80	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.519	-18.5	104	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.591	-17.5	96	0.00	18.32
108	T	NAPHTHALENE	1.117	1.200	-7.4	89	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.224	0.5	98	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Tue Feb 25 02:04:47 2025

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V5W2144	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2144-BFB	5W55993.D	01/08/25 23:56	n/a	BFB Tune
V5W2144-IC2144	5W55994.D	01/09/25 00:36	n/a	Initial cal 0.04
V5W2144-IC2144	5W55995.D	01/09/25 01:16	n/a	Initial cal 0.1
V5W2144-IC2144	5W55996.D	01/09/25 01:59	n/a	Initial cal 0.2
V5W2144-IC2144	5W56001.D	01/09/25 05:39	n/a	Initial cal 5
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	n/a	Initial cal 10
V5W2144-IC2144	5W56003.D	01/09/25 07:03	n/a	Initial cal 20
V5W2144-IC2144	5W56004.D	01/09/25 07:49	n/a	Initial cal 40
V5W2144-IC2144	5W56005.D	01/09/25 08:36	n/a	Initial cal 50
V5W2144-IC2144	5W56013.D	01/09/25 15:02	n/a	Initial cal 0.5
V5W2144-ICV2144	5W56014.D	01/09/25 15:42	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V5W2159	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2159-BFB	5W56370.D	01/24/25 08:54	n/a	BFB Tune
V5W2159-CC2144	5W56371.D	01/24/25 09:35	n/a	Continuing cal 10
V5W2159-BS	5W56372.D	01/24/25 10:39	n/a	Blank Spike
V5W2159-BSD	5W56373.D	01/24/25 11:19	n/a	Blank Spike Duplicate
V5W2159-MB	5W56377.D	01/24/25 15:16	n/a	Method Blank
V5W2159-SCC	5W56378.D	01/24/25 16:13	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56379.D	01/24/25 17:00	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56381.D	01/24/25 18:32	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56382.D	01/24/25 19:18	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56383.D	01/24/25 20:04	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56384.D	01/24/25 20:50	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56385.D	01/24/25 21:36	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56386.D	01/24/25 22:22	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56387.D	01/24/25 23:09	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56388.D	01/24/25 23:55	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56389.D	01/25/25 00:41	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56390.D	01/25/25 01:27	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56391.D	01/25/25 02:08	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56392.D	01/25/25 02:49	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56393.D	01/25/25 03:30	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56394.D	01/25/25 04:10	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V6W1441	**Method:** TO-15 (BY SIM)	**Instrument ID:** GCMS6W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V6W1441-BFB	6W34719.D	01/29/25 19:24	n/a	BFB Tune
V6W1441-IC1441	6W34720.D	01/29/25 20:02	n/a	Initial cal 0.02
V6W1441-IC1441	6W34721.D	01/29/25 20:39	n/a	Initial cal 0.05
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	n/a	Initial cal 0.10
V6W1441-IC1441	6W34723.D	01/29/25 21:55	n/a	Initial cal 0.20
V6W1441-IC1441	6W34724.D	01/29/25 22:40	n/a	Initial cal 0.50
V6W1441-IC1441	6W34730.D	01/30/25 02:25	n/a	Initial cal 1.0
V6W1441-IC1441	6W34732.D	01/30/25 03:50	n/a	Initial cal 5.0
V6W1441-IC1441	6W34736.D	01/30/25 06:31	n/a	Initial cal 0.002
V6W1441-IC1441	6W34737.D	01/30/25 07:08	n/a	Initial cal 0.005
V6W1441-IC1441	6W34738.D	01/30/25 07:46	n/a	Initial cal 0.01
V6W1441-ICV1441	6W34746.D	01/30/25 14:42	n/a	Initial cal verification 0.1

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V6W1442 **Method:** TO-15 (BY SIM) **Instrument ID:** GCMS6W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V6W1442-BFB	6W34747.D	01/30/25 16:13	n/a	BFB Tune
V6W1442-CC1441	6W34748.D	01/30/25 16:50	n/a	Continuing cal 0.1
V6W1442-BS	6W34749.D	01/30/25 18:32	n/a	Blank Spike
V6W1442-BSD	6W34750.D	01/30/25 19:09	n/a	Blank Spike Duplicate
V6W1442-MB	6W34753.D	01/30/25 21:08	n/a	Method Blank
V6W1442-SCC	6W34754.D	01/30/25 21:51	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34755.D	01/30/25 22:34	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34756.D	01/30/25 23:16	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34757.D	01/30/25 23:59	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34758.D	01/31/25 00:41	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34759.D	01/31/25 01:23	n/a	Summa Cleaning Certification
ZZZZZZ	6W34760.D	01/31/25 02:06	n/a	(unrelated sample)
ZZZZZZ	6W34761.D	01/31/25 02:49	n/a	(unrelated sample)
ZZZZZZ	6W34762.D	01/31/25 03:32	n/a	(unrelated sample)
JE4441-4	6W34763.D	01/31/25 04:14	n/a	(used for QC only; not part of job JE5344)
JE4441-4DUP	6W34764.D	01/31/25 04:57	n/a	Duplicate
ZZZZZZ	6W34765.D	01/31/25 05:40	n/a	(unrelated sample)
JE4458-2	6W34766.D	01/31/25 06:22	n/a	(used for QC only; not part of job JE5344)
JE4458-2DUP	6W34767.D	01/31/25 07:05	n/a	Duplicate
ZZZZZZ	6W34768.D	01/31/25 07:49	n/a	(unrelated sample)
ZZZZZZ	6W34769.D	01/31/25 08:32	n/a	(unrelated sample)
ZZZZZZ	6W34770.D	01/31/25 09:15	n/a	(unrelated sample)
ZZZZZZ	6W34771.D	01/31/25 10:41	n/a	(unrelated sample)
ZZZZZZ	6W34772.D	01/31/25 11:46	n/a	(unrelated sample)
JE4678-3	6W34773.D	01/31/25 12:29	n/a	(used for QC only; not part of job JE5344)
JE4678-3DUP	6W34774.D	01/31/25 13:11	n/a	Duplicate
ZZZZZZ	6W34775.D	01/31/25 13:54	n/a	(unrelated sample)
V6W1442-SCC	6W34776.D	01/31/25 14:36	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34777.D	01/31/25 15:18	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34778.D	01/31/25 16:01	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V6W1450	**Method:** TO-15 (BY SIM)	**Instrument ID:** GCMS6W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V6W1450-BFB	6W34956.D	02/16/25 08:21	n/a	BFB Tune
V6W1450-CC1441	6W34957.D	02/16/25 08:59	n/a	Continuing cal 0.1
V6W1450-BS	6W34958.D	02/16/25 09:37	n/a	Blank Spike
V6W1450-BSD	6W34959.D	02/16/25 10:15	n/a	Blank Spike Duplicate
V6W1450-MB	6W34961.D	02/16/25 11:36	n/a	Method Blank
ZZZZZZ	6W34962.D	02/16/25 12:19	n/a	(unrelated sample)
ZZZZZZ	6W34963.D	02/16/25 13:02	n/a	(unrelated sample)
JE5344-5	6W34964.D	02/16/25 13:46	n/a	776-IA_1_0225
JE5344-10	6W34965.D	02/16/25 14:28	n/a	774-IA-1_0225
ZZZZZZ	6W34967.D	02/16/25 15:55	n/a	(unrelated sample)
ZZZZZZ	6W34968.D	02/16/25 16:38	n/a	(unrelated sample)
ZZZZZZ	6W34969.D	02/16/25 17:25	n/a	(unrelated sample)
JE5461-4	6W34970.D	02/16/25 18:12	n/a	(used for QC only; not part of job JE5344)
JE5461-4DUP	6W34971.D	02/16/25 18:59	n/a	Duplicate
ZZZZZZ	6W34972.D	02/16/25 19:38	n/a	(unrelated sample)
V6W1450-ECC1441	6W34973.D	02/16/25 20:16	n/a	Ending cal 0.1

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W405	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W405-BFB	7W11232.D	12/28/24 08:40	n/a	BFB Tune
V7W405-IC405	7W11233.D	12/28/24 09:16	n/a	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24 09:53	n/a	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24 10:32	n/a	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24 11:51	n/a	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24 12:34	n/a	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24 13:47	n/a	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24 14:25	n/a	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24 15:08	n/a	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24 15:52	n/a	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24 18:36	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W423	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W423-BFB	7W11817.D	01/16/25 10:57	n/a	BFB Tune
V7W423-CC405	7W11818.D	01/16/25 11:34	n/a	Continuing cal 10
V7W423-BS	7W11819.D	01/16/25 12:16	n/a	Blank Spike
V7W423-BSD	7W11820.D	01/16/25 12:54	n/a	Blank Spike Duplicate
V7W423-MB	7W11822.D	01/16/25 14:19	n/a	Method Blank
JE3528-1	7W11824.D	01/16/25 16:06	n/a	(used for QC only; not part of job JE5344)
JE3528-1DUP	7W11825.D	01/16/25 16:46	n/a	Duplicate
V7W423-SCC	7W11830.D	01/16/25 20:03	n/a	Summa Cleaning Certification
V7W423-SCC	7W11831.D	01/16/25 20:47	n/a	Summa Cleaning Certification
V7W423-SCC	7W11832.D	01/16/25 21:31	n/a	Summa Cleaning Certification
V7W423-SCC	7W11833.D	01/16/25 22:16	n/a	Summa Cleaning Certification
V7W423-SCC	7W11834.D	01/16/25 22:59	n/a	Summa Cleaning Certification
V7W423-SCC	7W11835.D	01/16/25 23:45	n/a	Summa Cleaning Certification
V7W423-SCC	7W11837.D	01/17/25 01:13	n/a	Summa Cleaning Certification
V7W423-SCC	7W11838.D	01/17/25 01:57	n/a	Summa Cleaning Certification
V7W423-SCC	7W11839.D	01/17/25 02:42	n/a	Summa Cleaning Certification
V7W423-SCC	7W11840.D	01/17/25 03:26	n/a	Summa Cleaning Certification
V7W423-SCC	7W11841.D	01/17/25 04:10	n/a	Summa Cleaning Certification
V7W423-SCC	7W11843.D	01/17/25 05:39	n/a	Summa Cleaning Certification
ZZZZZZ	7W11844.D	01/17/25 06:24	n/a	(unrelated sample)
ZZZZZZ	7W11845.D	01/17/25 07:08	n/a	(unrelated sample)
ZZZZZZ	7W11846.D	01/17/25 07:53	n/a	(unrelated sample)
ZZZZZZ	7W11847.D	01/17/25 08:38	n/a	(unrelated sample)
ZZZZZZ	7W11848.D	01/17/25 09:23	n/a	(unrelated sample)
ZZZZZZ	7W11849.D	01/17/25 10:02	n/a	(unrelated sample)
ZZZZZZ	7W11850.D	01/17/25 10:42	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W426	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W426-BFB	7W11928.D	01/19/25 22:14	n/a	BFB Tune
V7W426-CC405	7W11930.D	01/19/25 23:30	n/a	Continuing cal 10
V7W426-BS	7W11931.D	01/20/25 00:08	n/a	Blank Spike
V7W426-BSD	7W11932.D	01/20/25 00:46	n/a	Blank Spike Duplicate
V7W426-MB	7W11934.D	01/20/25 02:09	n/a	Method Blank
ZZZZZZ	7W11935.D	01/20/25 02:48	n/a	(unrelated sample)
ZZZZZZ	7W11937.D	01/20/25 04:06	n/a	(unrelated sample)
ZZZZZZ	7W11939.D	01/20/25 05:22	n/a	(unrelated sample)
JE4060-1	7W11945.D	01/20/25 09:17	n/a	(used for QC only; not part of job JE5344)
JE4060-1DUP	7W11946.D	01/20/25 09:55	n/a	Duplicate
V7W426-SCC	7W11947.D	01/20/25 10:40	n/a	Summa Cleaning Certification
V7W426-SCC	7W11948.D	01/20/25 11:24	n/a	Summa Cleaning Certification
V7W426-SCC	7W11949.D	01/20/25 12:08	n/a	Summa Cleaning Certification
V7W426-SCC	7W11950.D	01/20/25 12:52	n/a	Summa Cleaning Certification
V7W426-SCC	7W11951.D	01/20/25 13:35	n/a	Summa Cleaning Certification
V7W426-SCC	7W11952.D	01/20/25 14:19	n/a	Summa Cleaning Certification
V7W426-SCC	7W11953.D	01/20/25 15:03	n/a	Summa Cleaning Certification
V7W426-SCC	7W11954.D	01/20/25 15:47	n/a	Summa Cleaning Certification
V7W426-SCC	7W11955.D	01/20/25 16:30	n/a	Summa Cleaning Certification
ZZZZZZ	7W11956.D	01/20/25 17:12	n/a	(unrelated sample)
ZZZZZZ	7W11958.D	01/20/25 18:30	n/a	(unrelated sample)
ZZZZZZ	7W11960.D	01/20/25 19:47	n/a	(unrelated sample)
V7W426-SCC	7W11961.D	01/20/25 20:25	n/a	Summa Cleaning Certification
V7W426-SCC	7W11962.D	01/20/25 21:04	n/a	Summa Cleaning Certification
V7W426-SCC	7W11963.D	01/20/25 21:42	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W427 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W427-BFB	7W11965.D	01/21/25 08:52	n/a	BFB Tune
V7W427-CC405	7W11967.D	01/21/25 10:12	n/a	Continuing cal 10
V7W427-BS	7W11968.D	01/21/25 10:50	n/a	Blank Spike
V7W427-BSD	7W11969.D	01/21/25 11:27	n/a	Blank Spike Duplicate
V7W427-MB	7W11971.D	01/21/25 12:59	n/a	Method Blank
V7W427-SCC	7W11972.D	01/21/25 13:43	n/a	Summa Cleaning Certification
JE4061-1	7W11973.D	01/21/25 14:29	n/a	(used for QC only; not part of job JE5344)
JE4061-1DUP	7W11974.D	01/21/25 15:15	n/a	Duplicate
ZZZZZZ	7W11975.D	01/21/25 15:54	n/a	(unrelated sample)
ZZZZZZ	7W11976.D	01/21/25 16:34	n/a	(unrelated sample)
JE4288-4	7W11977.D	01/21/25 17:12	n/a	(used for QC only; not part of job JE5344)
JE4288-4DUP	7W11978.D	01/21/25 17:50	n/a	Duplicate
ZZZZZZ	7W11981.D	01/21/25 20:03	n/a	(unrelated sample)
ZZZZZZ	7W11982.D	01/21/25 20:42	n/a	(unrelated sample)
ZZZZZZ	7W11983.D	01/21/25 21:22	n/a	(unrelated sample)
ZZZZZZ	7W11984.D	01/21/25 22:01	n/a	(unrelated sample)
ZZZZZZ	7W11985.D	01/21/25 22:40	n/a	(unrelated sample)
ZZZZZZ	7W11986.D	01/21/25 23:19	n/a	(unrelated sample)
ZZZZZZ	7W11987.D	01/21/25 23:58	n/a	(unrelated sample)
ZZZZZZ	7W11988.D	01/22/25 00:38	n/a	(unrelated sample)
ZZZZZZ	7W11989.D	01/22/25 01:16	n/a	(unrelated sample)
ZZZZZZ	7W11990.D	01/22/25 01:56	n/a	(unrelated sample)
ZZZZZZ	7W11991.D	01/22/25 02:35	n/a	(unrelated sample)
V7W427-SCC	7W11992.D	01/22/25 03:18	n/a	Summa Cleaning Certification
V7W427-SCC	7W11993.D	01/22/25 04:03	n/a	Summa Cleaning Certification
V7W427-SCC	7W11994.D	01/22/25 04:48	n/a	Summa Cleaning Certification
V7W427-SCC	7W11995.D	01/22/25 05:31	n/a	Summa Cleaning Certification
V7W427-SCC	7W11996.D	01/22/25 06:16	n/a	Summa Cleaning Certification
V7W427-SCC	7W11997.D	01/22/25 06:59	n/a	Summa Cleaning Certification
V7W427-SCC	7W11998.D	01/22/25 07:42	n/a	Summa Cleaning Certification
V7W427-SCC	7W11999.D	01/22/25 08:26	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W428 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W428-BFB	7W12000.D	01/22/25 09:36	n/a	BFB Tune
V7W428-CC405	7W12001.D	01/22/25 10:14	n/a	Continuing cal 10
V7W428-BS	7W12002.D	01/22/25 11:05	n/a	Blank Spike
V7W428-BSD	7W12004.D	01/22/25 12:26	n/a	Blank Spike Duplicate
V7W428-MB	7W12006.D	01/22/25 13:52	n/a	Method Blank
ZZZZZZ	7W12008.D	01/22/25 15:17	n/a	(unrelated sample)
ZZZZZZ	7W12009.D	01/22/25 15:55	n/a	(unrelated sample)
ZZZZZZ	7W12010.D	01/22/25 16:34	n/a	(unrelated sample)
ZZZZZZ	7W12011.D	01/22/25 17:20	n/a	(unrelated sample)
ZZZZZZ	7W12012.D	01/22/25 18:01	n/a	(unrelated sample)
ZZZZZZ	7W12013.D	01/22/25 18:40	n/a	(unrelated sample)
JE4288-2	7W12015.D	01/22/25 19:56	n/a	(used for QC only; not part of job JE5344)
JE4288-2DUP	7W12016.D	01/22/25 20:35	n/a	Duplicate
ZZZZZZ	7W12017.D	01/22/25 21:14	n/a	(unrelated sample)
V7W428-SCC	7W12018.D	01/22/25 21:58	n/a	Summa Cleaning Certification
ZZZZZZ	7W12019.D	01/22/25 22:37	n/a	(unrelated sample)
ZZZZZZ	7W12020.D	01/22/25 23:16	n/a	(unrelated sample)
ZZZZZZ	7W12021.D	01/22/25 23:56	n/a	(unrelated sample)
ZZZZZZ	7W12022.D	01/23/25 00:34	n/a	(unrelated sample)
ZZZZZZ	7W12023.D	01/23/25 01:13	n/a	(unrelated sample)
ZZZZZZ	7W12024.D	01/23/25 01:53	n/a	(unrelated sample)
ZZZZZZ	7W12025.D	01/23/25 02:33	n/a	(unrelated sample)
ZZZZZZ	7W12026.D	01/23/25 03:12	n/a	(unrelated sample)
ZZZZZZ	7W12027.D	01/23/25 03:50	n/a	(unrelated sample)
ZZZZZZ	7W12028.D	01/23/25 04:28	n/a	(unrelated sample)
ZZZZZZ	7W12029.D	01/23/25 05:07	n/a	(unrelated sample)
ZZZZZZ	7W12030.D	01/23/25 05:47	n/a	(unrelated sample)
ZZZZZZ	7W12031.D	01/23/25 06:26	n/a	(unrelated sample)
ZZZZZZ	7W12032.D	01/23/25 07:06	n/a	(unrelated sample)
JE4318-4	7W12033.D	01/23/25 07:46	n/a	(used for QC only; not part of job JE5344)
JE4318-4DUP	7W12034.D	01/23/25 08:27	n/a	Duplicate

Run Sequence Report

Job Number: JE5344
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W457	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W457-BFB	7W12938.D	02/23/25 18:18	n/a	BFB Tune
V7W457-CC405	7W12939.D	02/23/25 18:55	n/a	Continuing cal 10
V7W457-BS	7W12940.D	02/23/25 19:33	n/a	Blank Spike
V7W457-BSD	7W12941.D	02/23/25 20:10	n/a	Blank Spike Duplicate
V7W457-MB	7W12943.D	02/23/25 21:31	n/a	Method Blank
V7W457-SCC	7W12944.D	02/23/25 22:15	n/a	Summa Cleaning Certification
V7W457-SCC	7W12945.D	02/23/25 22:57	n/a	Summa Cleaning Certification
V7W457-SCC	7W12946.D	02/23/25 23:41	n/a	Summa Cleaning Certification
V7W457-SCC	7W12947.D	02/24/25 00:24	n/a	Summa Cleaning Certification
V7W457-SCC	7W12948.D	02/24/25 01:07	n/a	Summa Cleaning Certification
V7W457-SCC	7W12949.D	02/24/25 01:50	n/a	Summa Cleaning Certification
JE5794-8	7W12950.D	02/24/25 02:38	n/a	(used for QC only; not part of job JE5344)
JE5794-8DUP	7W12951.D	02/24/25 03:26	n/a	Duplicate
ZZZZZZ	7W12952.D	02/24/25 04:08	n/a	(unrelated sample)
ZZZZZZ	7W12953.D	02/24/25 04:47	n/a	(unrelated sample)
ZZZZZZ	7W12954.D	02/24/25 05:25	n/a	(unrelated sample)
ZZZZZZ	7W12955.D	02/24/25 06:02	n/a	(unrelated sample)
ZZZZZZ	7W12956.D	02/24/25 06:40	n/a	(unrelated sample)
ZZZZZZ	7W12958.D	02/24/25 08:14	n/a	(unrelated sample)
ZZZZZZ	7W12959.D	02/24/25 08:51	n/a	(unrelated sample)
ZZZZZZ	7W12960.D	02/24/25 09:35	n/a	(unrelated sample)
JE5344-1	7W12961.D	02/24/25 10:14	n/a	776-VMP-1_0225
JE5344-2	7W12962.D	02/24/25 10:53	n/a	776-VMP-2_0225
JE5344-3	7W12963.D	02/24/25 11:32	n/a	776-VMP-2_0225-A
JE5344-4	7W12964.D	02/24/25 12:10	n/a	776-VMP-3_0225
JE5344-6	7W12965.D	02/24/25 12:49	n/a	776-OA-1_0225
JE5344-7	7W12966.D	02/24/25 13:28	n/a	774-VMP-1_0225
JE5344-8	7W12967.D	02/24/25 14:07	n/a	774-VMP-2_0225
JE5344-9	7W12968.D	02/24/25 14:45	n/a	774-VMP-3_0225
ZZZZZZ	7W12969.D	02/24/25 15:30	n/a	(unrelated sample)
ZZZZZZ	7W12970.D	02/24/25 16:08	n/a	(unrelated sample)
ZZZZZZ	7W12971.D	02/24/25 16:47	n/a	(unrelated sample)
V7W457-ECC405	7W12972.D	02/24/25 17:25	n/a	Ending cal 10

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12961.D
Acq On : 24 Feb 2025 10:14 am
Operator : benk
Sample : je5344-1 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 01:45:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

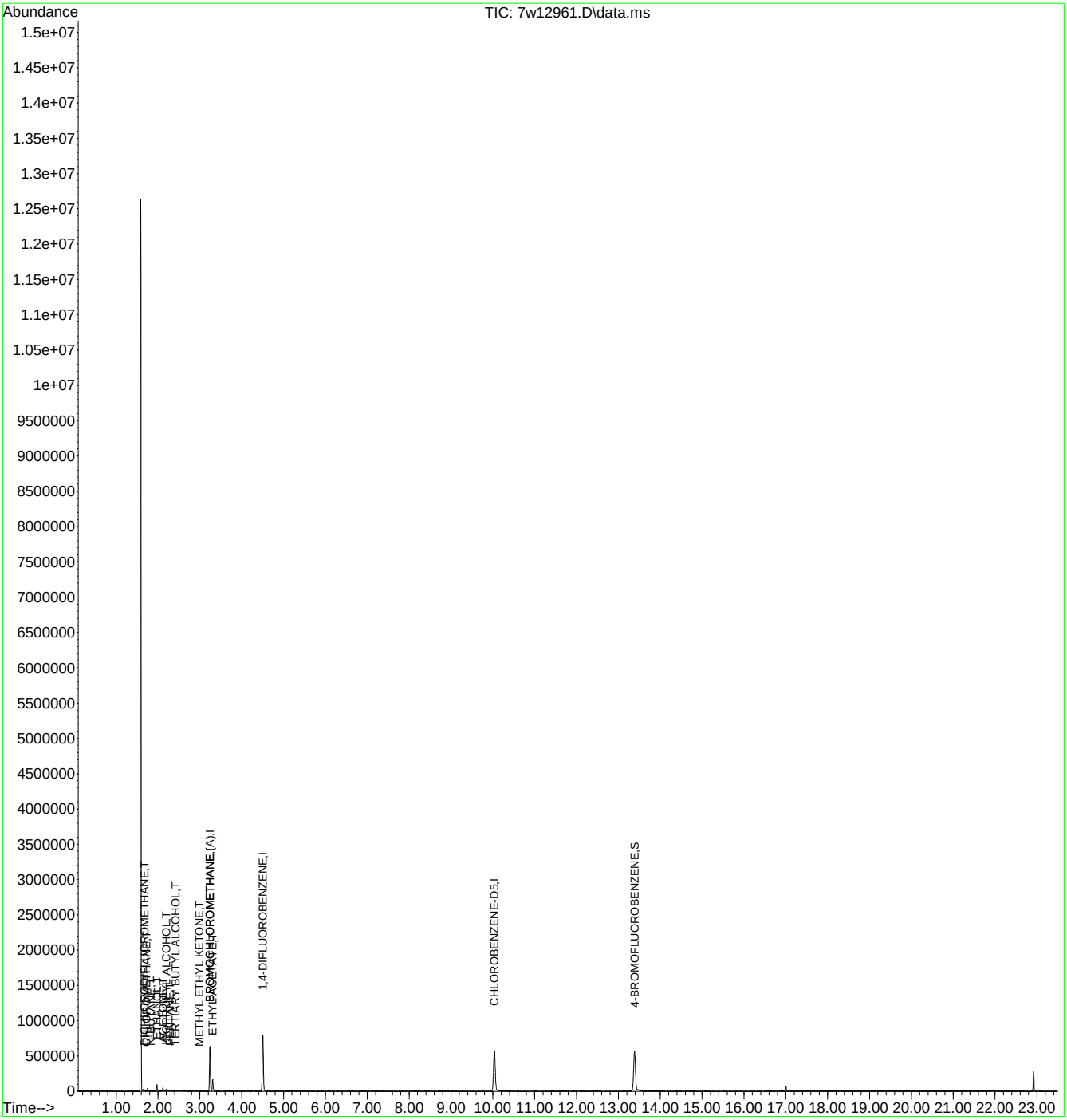
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.238	128	129460	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	4.505	114	636206	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.039	117	585010	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.238	128	129401	10.00	PPBV	0.01
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.389	95	403395	9.50	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.672	85	3370	0.1044	PPBV #	93
10) CHLOROMETHANE	1.714	52	322	0.0961	PPBV	93
13) N-BUTANE	1.830	43	3342	0.1990	PPBV #	90
22) ISOPROPYL ALCOHOL	2.200	45	18135	0.7562	PPBV	99
23) ACETONE	2.116	58	10939	1.4543	PPBV	65
24) PENTANE	2.286	42	1696	0.1472	PPBV	98
28) ETHANOL	1.975	45	55880	8.5113	PPBV	99
35) TERTIARY BUTYL ALCOHOL	2.415	59	4547	0.1649	PPBV #	86
41) METHYL ETHYL KETONE	2.984	72	670	0.1165	PPBV	79
44) ETHYL ACETATE	3.303	61	20677	5.0616	PPBV #	1

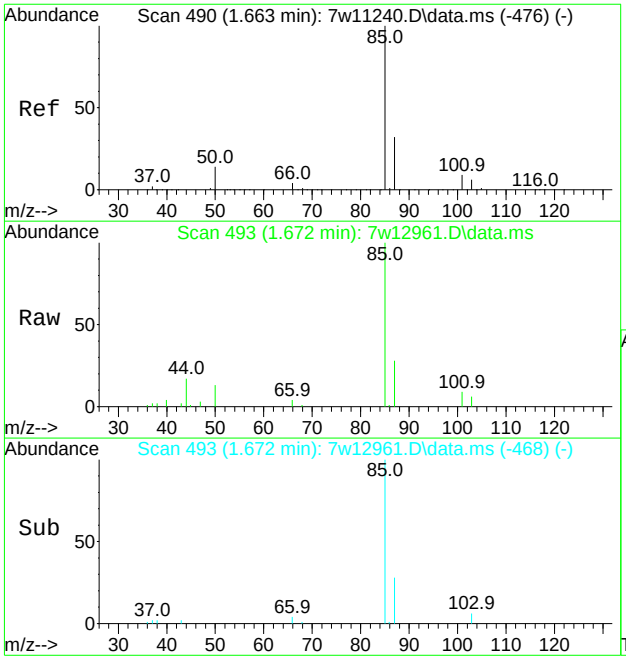
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12961.D
Acq On : 24 Feb 2025 10:14 am
Operator : benk
Sample : je5344-1 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 01:45:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

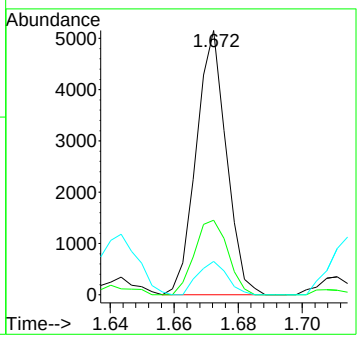


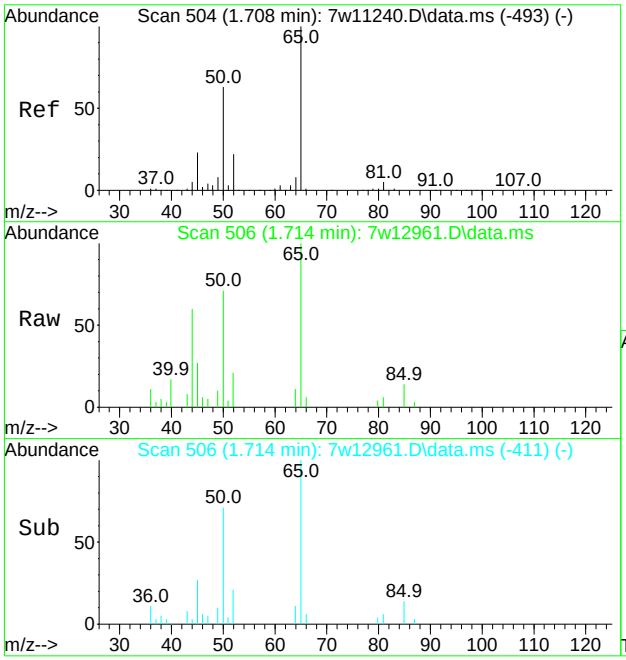


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1044 PPBV
RT: 1.672 min Scan# 493
Delta R.T. 0.009 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 85 Resp: 3370

Ion	Ratio	Lower	Upper
85	100		
87	31.3	22.5	41.7
50	12.3	13.8	25.6#

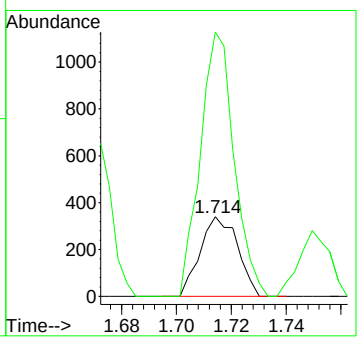


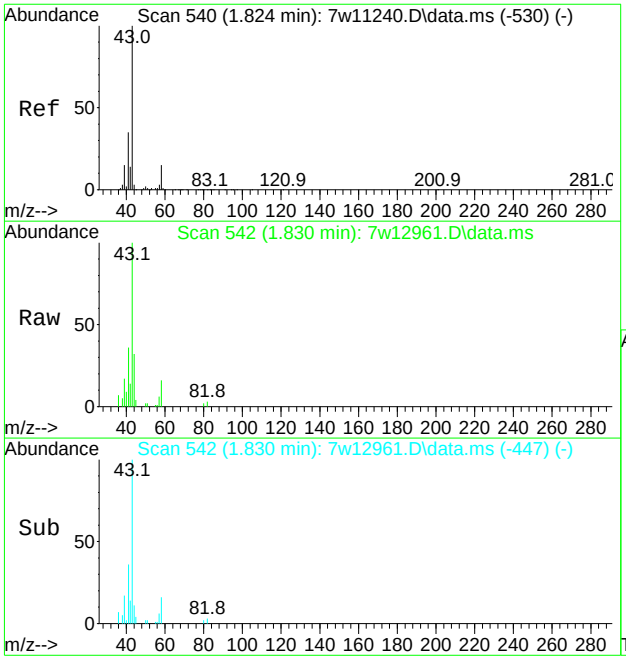


#10
CHLOROMETHANE
Concen: 0.0961 PPBV
RT: 1.714 min Scan# 506
Delta R.T. 0.006 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 52 Resp: 322

Ion	Ratio	Lower	Upper
52	100		
50	300.3	220.1	408.8

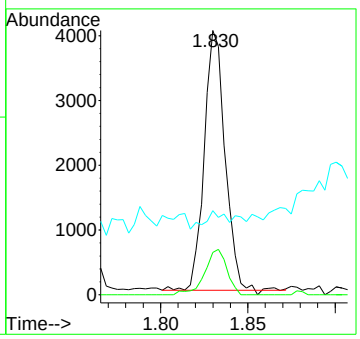


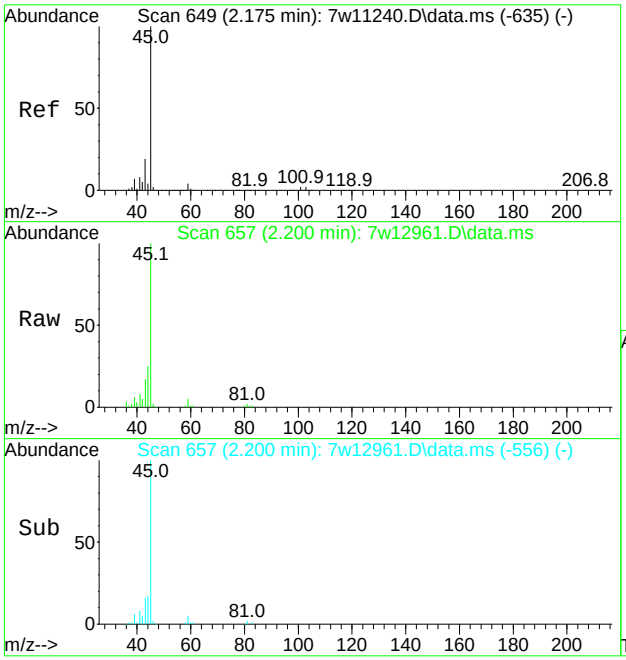


#13
N-BUTANE
Concen: 0.1990 PPBV
RT: 1.830 min Scan# 542
Delta R.T. 0.006 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 43 Resp: 3342

Ion	Ratio	Lower	Upper
43	100		
58	18.6	10.4	19.2
44	0.0	3.0	5.6#

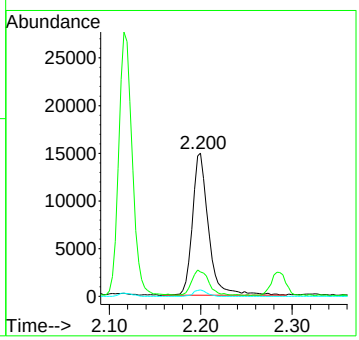


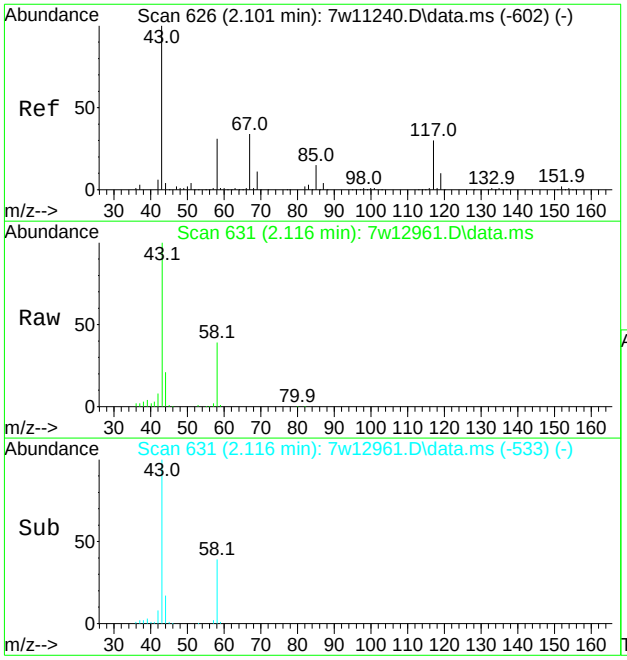


#22
ISOPROPYL ALCOHOL
Concen: 0.7562 PPBV
RT: 2.200 min Scan# 657
Delta R.T. 0.025 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 45 Resp: 18135

Ion	Ratio	Lower	Upper
45	100		
43	20.4	13.9	25.9
59	3.8	2.8	5.2

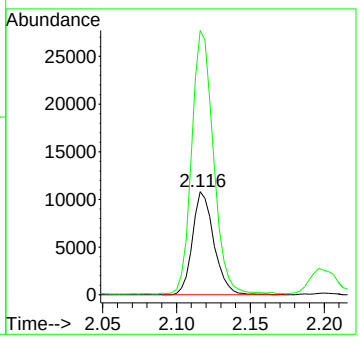


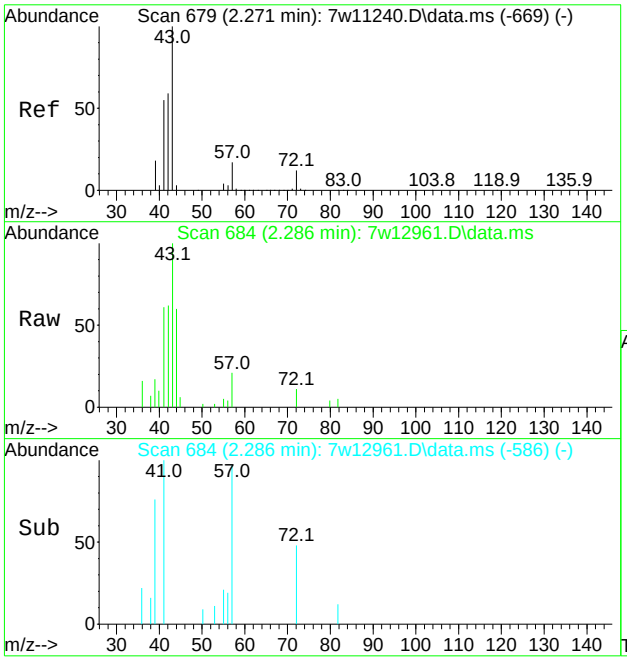


#23
ACETONE
Concen: 1.4543 PPBV
RT: 2.116 min Scan# 631
Delta R.T. 0.015 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 58 Resp: 10939

Ion	Ratio	Lower	Upper
58	100		
43	262.0	234.4	435.2

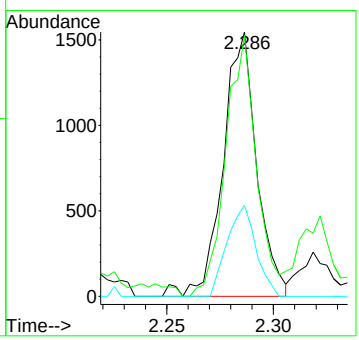


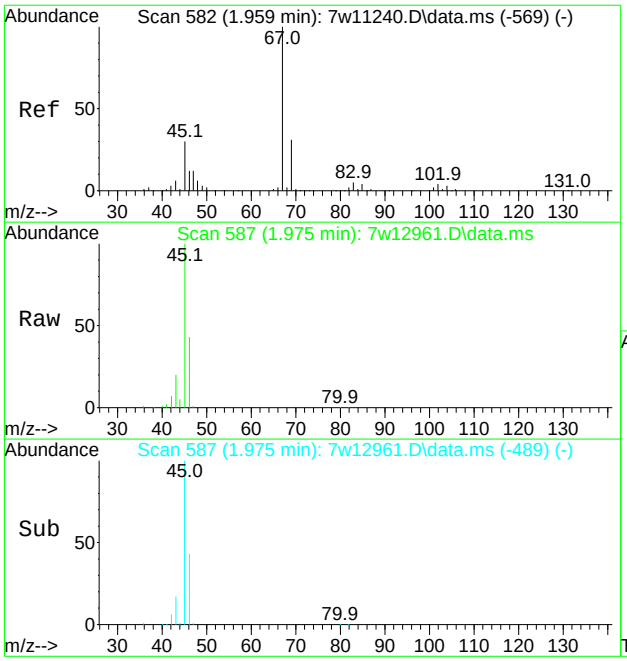


#24
PENTANE
Concen: 0.1472 PPBV
RT: 2.286 min Scan# 684
Delta R.T. 0.015 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 42 Resp: 1696

Ion	Ratio	Lower	Upper
42	100		
41	91.2	64.8	120.3
57	29.5	19.7	36.7

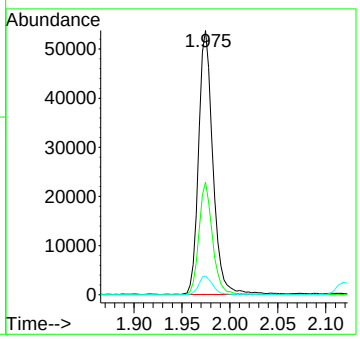


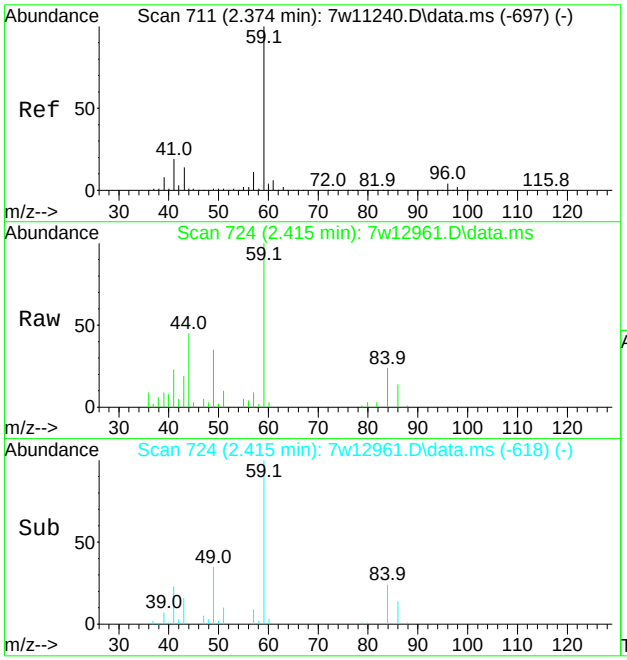


#28
ETHANOL
Concen: 8.5113 PPBV
RT: 1.975 min Scan# 587
Delta R.T. 0.016 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 45 Resp: 55880

Ion	Ratio	Lower	Upper
45	100		
46	40.8	28.6	53.0
42	7.0	6.3	11.7

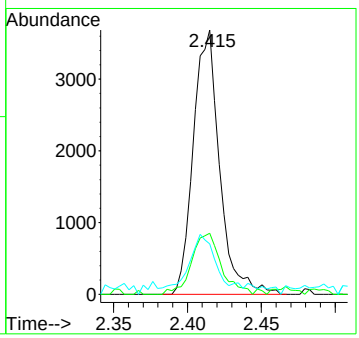


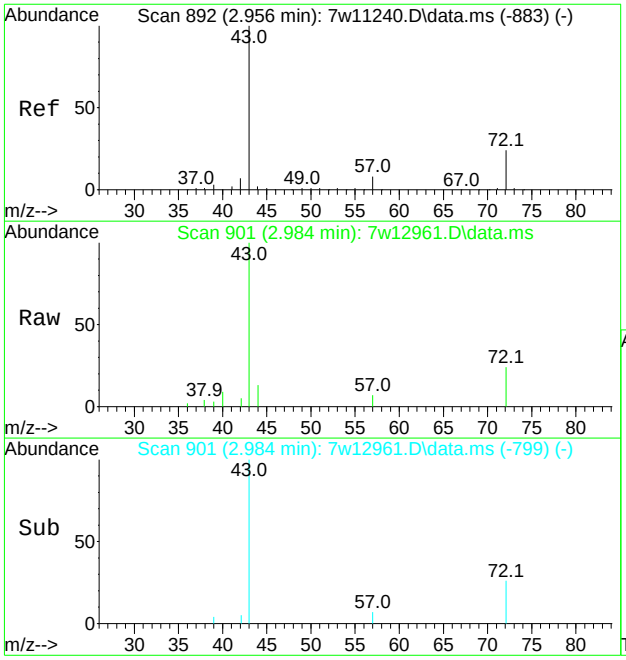


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1649 PPBV
RT: 2.415 min Scan# 724
Delta R.T. 0.041 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 59 Resp: 4547

Ion	Ratio	Lower	Upper
59	100		
41	26.4	14.3	26.5
43	20.3	9.9	18.5#

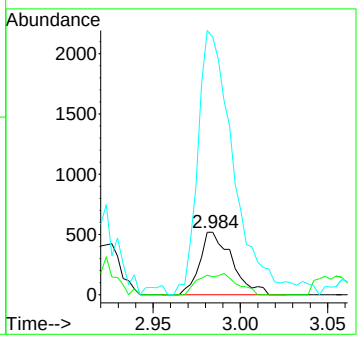


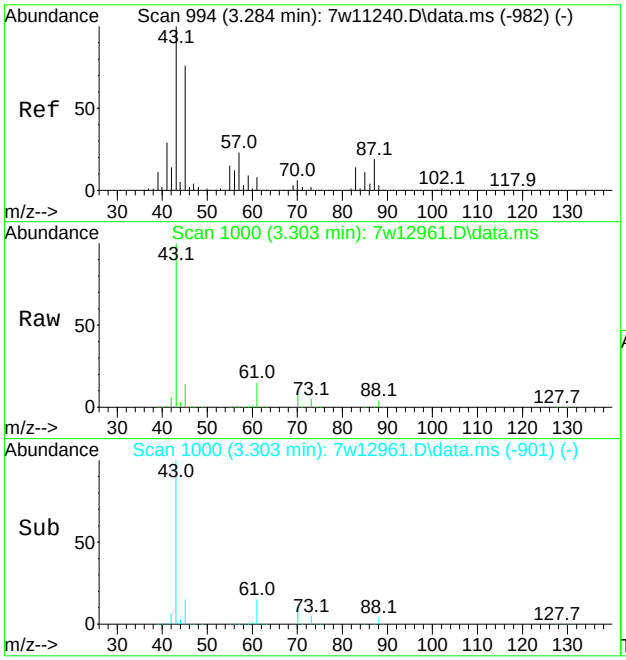


#41
METHYL ETHYL KETONE
Concen: 0.1165 PPBV
RT: 2.984 min Scan# 901
Delta R.T. 0.028 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 72 Resp: 670

Ion	Ratio	Lower	Upper
72	100		
57	39.9	25.3	46.9
43	481.9	299.6	556.4

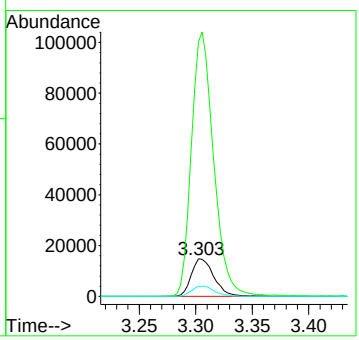




#44
ETHYL ACETATE
Concen: 5.0616 PPBV
RT: 3.303 min Scan# 1000
Delta R.T. 0.019 min
Lab File: 7w12961.D
Acq: 24 Feb 2025 10:14 am

Tgt Ion: 61 Resp: 20677

Ion	Ratio	Lower	Upper
61	100		
43	691.5	1005.1	1866.5#
88	27.5	29.3	54.5#



Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457 hw\
Data File : 7w12962.D
Acq On : 24 Feb 2025 10:53 am
Operator : benk
Sample : je5344-2 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 25 17:40:42 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

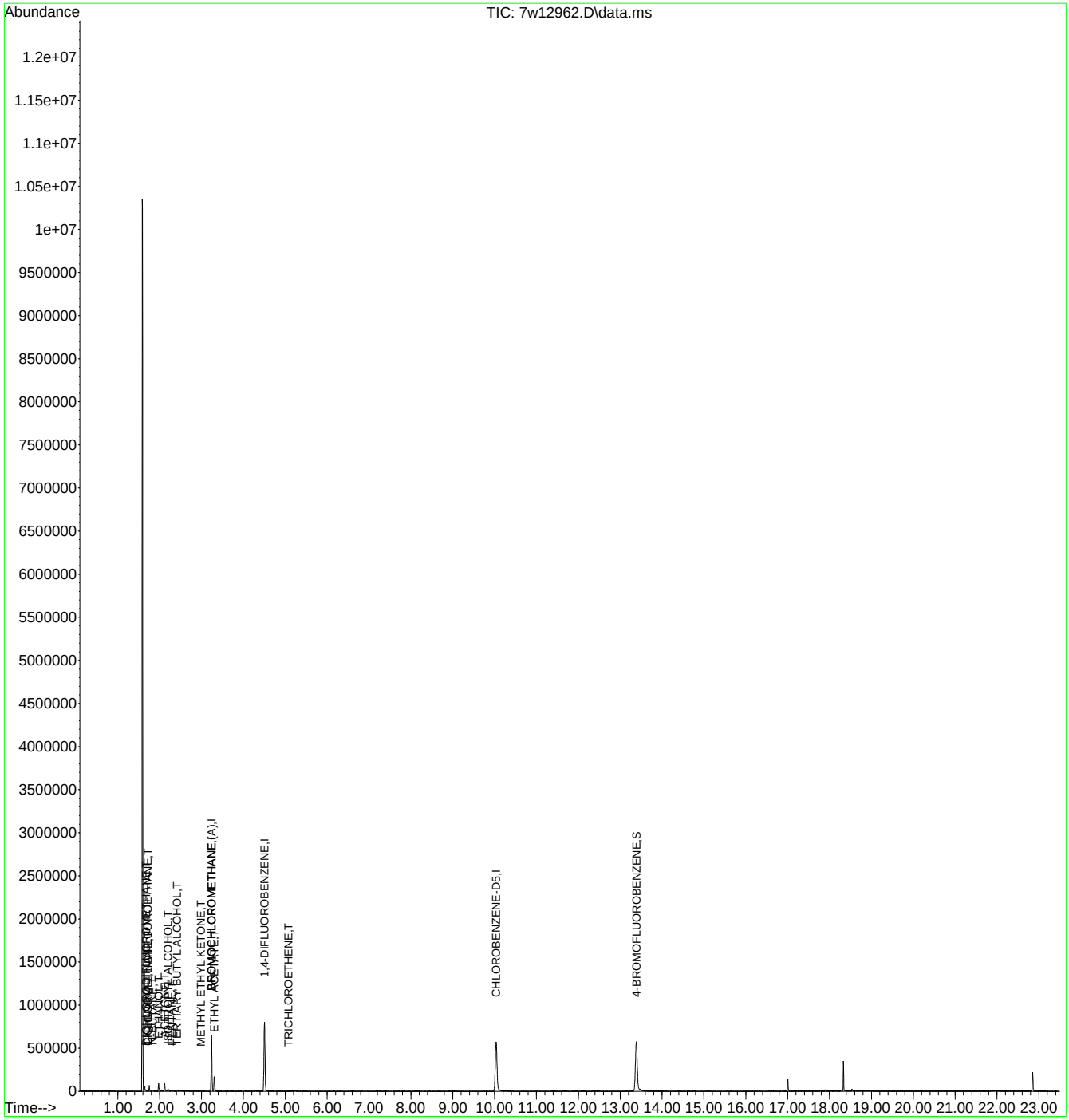
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.239	128	130634	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	4.502	114	646363	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.036	117	587578	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.239	128	130630	10.00	PPBV	0.01
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	404006	9.48	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.673	85	3877	0.1190	PPBV #	93
8) 1-CHLORO-1,1-DIFLUOROE...	1.711	65	2849	0.1181	PPBV	90
10) CHLOROMETHANE	1.714	52	508	0.1502	PPBV	88
13) N-BUTANE	1.833	43	5911	0.3489	PPBV #	95
22) ISOPROPYL ALCOHOL	2.200	45	18667	0.7713	PPBV	99
23) ACETONE	2.116	58	22587	2.9759	PPBV	72
24) PENTANE	2.287	42	1957	0.1684	PPBV	87
28) ETHANOL	1.975	45	54853	8.2798	PPBV	98
35) TERTIARY BUTYL ALCOHOL	2.412	59	2755	0.0990	PPBV #	66
41) METHYL ETHYL KETONE	2.985	72	920	0.1585	PPBV	98
44) ETHYL ACETATE	3.303	61	20982	5.0901	PPBV #	1
55) TRICHLOROETHENE	5.078	95	825	0.0502	PPBV	95

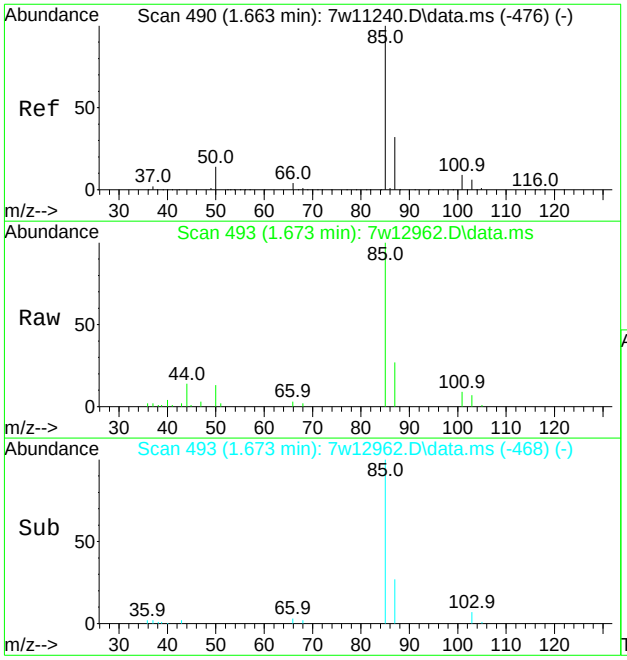
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457 hw\
Data File : 7w12962.D
Acq On : 24 Feb 2025 10:53 am
Operator : benk
Sample : je5344-2 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 25 17:40:42 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

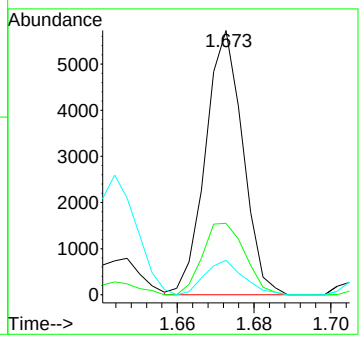


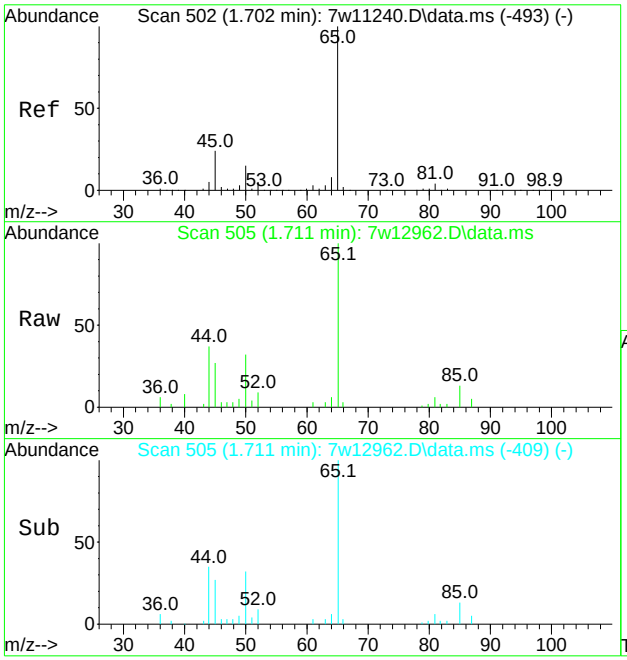


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1190 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 85 Resp: 3877

Ion	Ratio	Lower	Upper
85	100		
87	30.7	22.5	41.7
50	13.2	13.8	25.6#

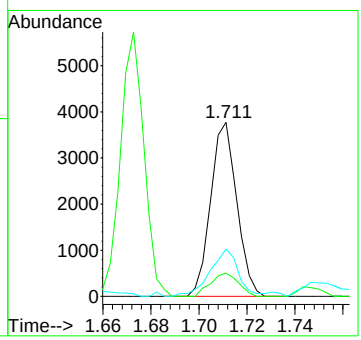


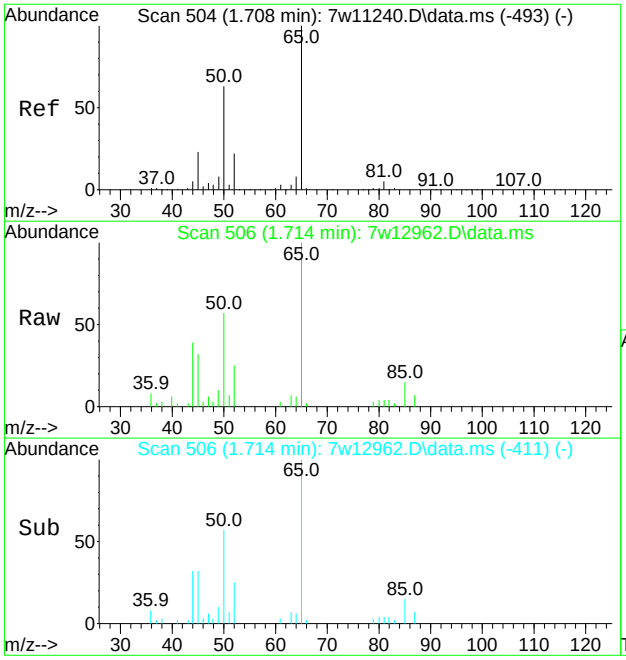


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.1181 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.009 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 65 Resp: 2849

Ion	Ratio	Lower	Upper
65	100		
85	14.4	8.9	16.5
45	30.6	17.1	31.7

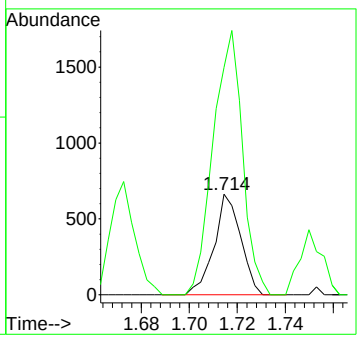


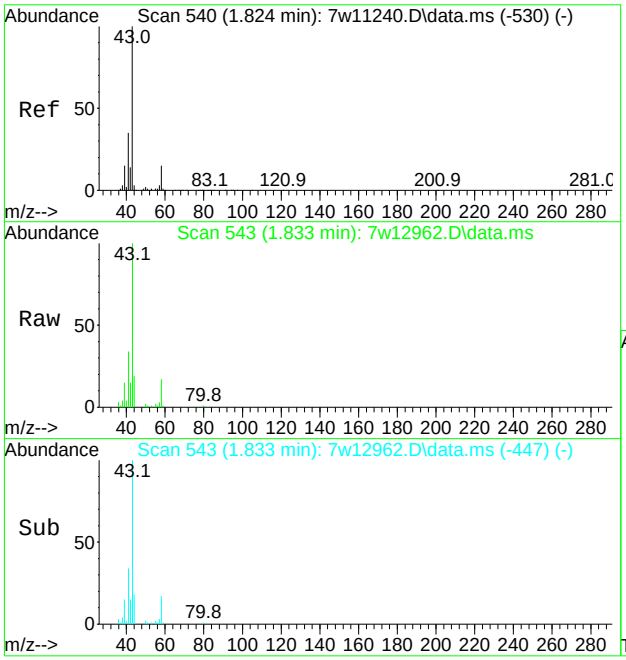


#10
CHLOROMETHANE
Concen: 0.1502 PPBV
RT: 1.714 min Scan# 506
Delta R.T. 0.006 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 52 Resp: 508

Ion	Ratio	Lower	Upper
52	100		
50	290.4	220.1	408.8

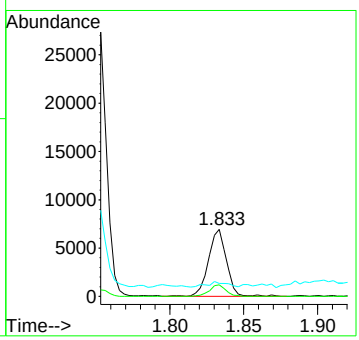


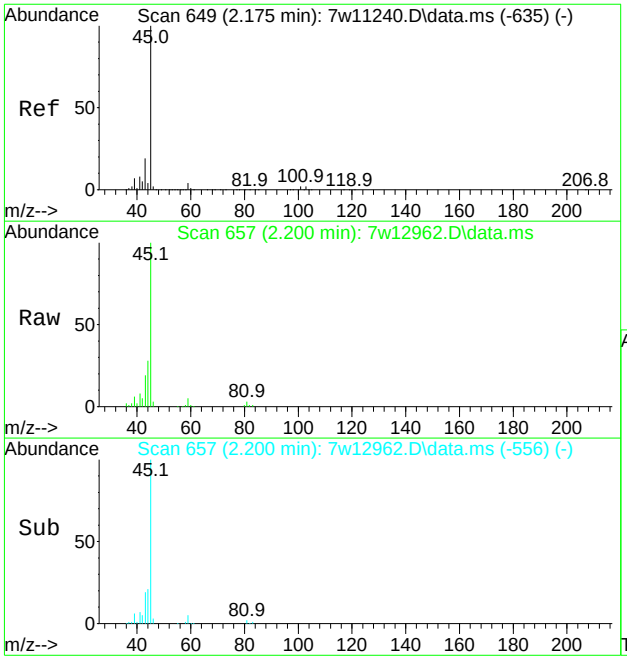


#13
N-BUTANE
Concen: 0.3489 PPBV
RT: 1.833 min Scan# 543
Delta R.T. 0.009 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 43 Resp: 5911

Ion	Ratio	Lower	Upper
43	100		
58	15.8	10.4	19.2
44	9.3	3.0	5.6#

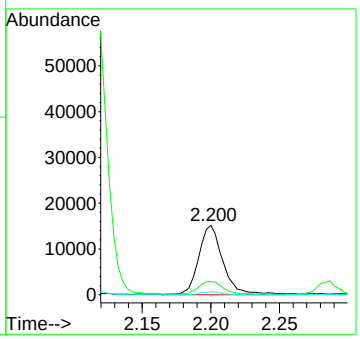


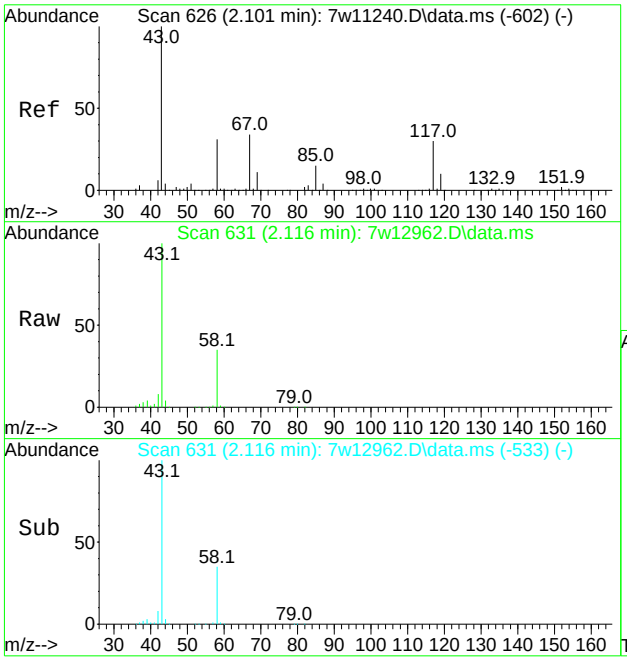


#22
ISOPROPYL ALCOHOL
Concen: 0.7713 PPBV
RT: 2.200 min Scan# 657
Delta R.T. 0.025 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 45 Resp: 18667

Ion	Ratio	Lower	Upper
45	100		
43	20.5	13.9	25.9
59	4.1	2.8	5.2

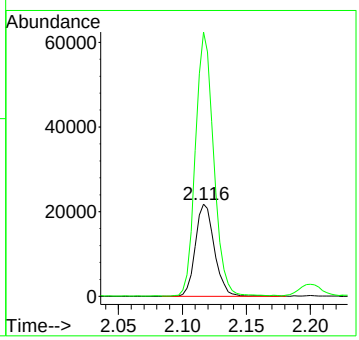


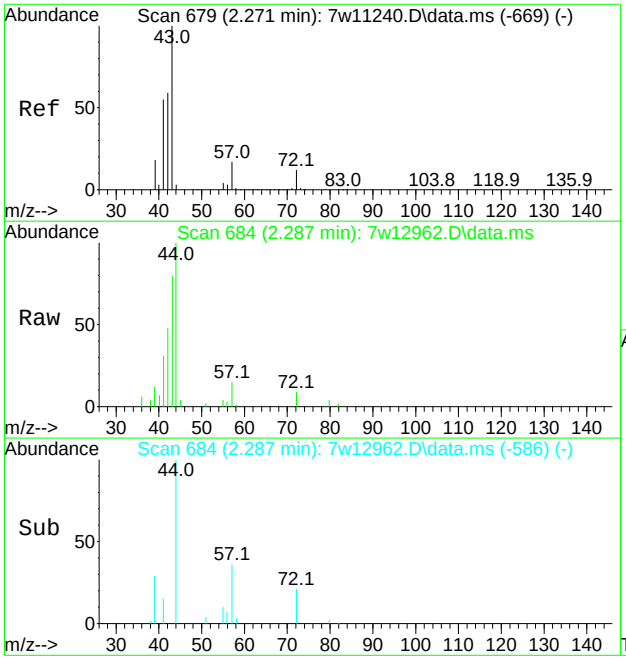


#23
ACETONE
Concen: 2.9759 PPBV
RT: 2.116 min Scan# 631
Delta R.T. 0.015 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 58 Resp: 22587

Ion	Ratio	Lower	Upper
58	100		
43	274.9	234.4	435.2

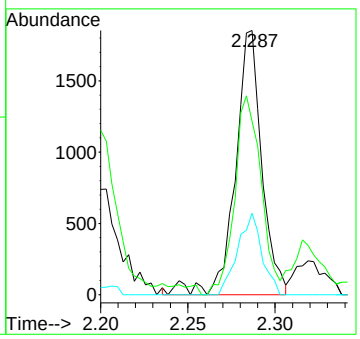


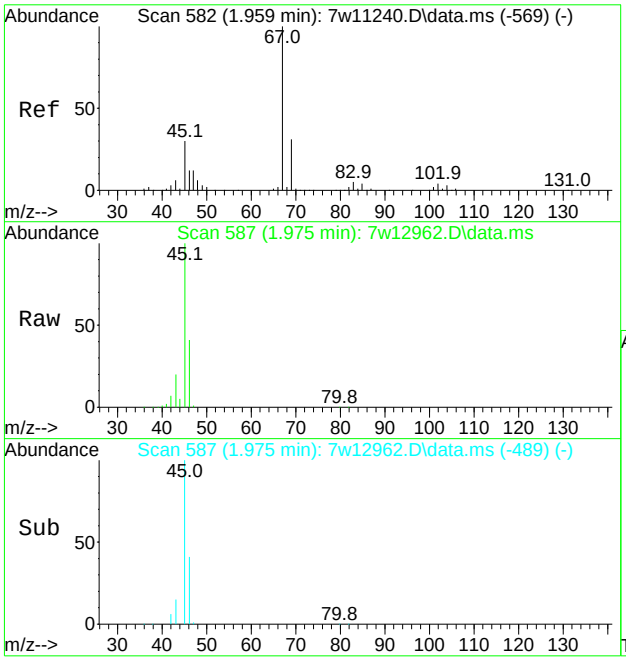


#24
PENTANE
Concen: 0.1684 PPBV
RT: 2.287 min Scan# 684
Delta R.T. 0.016 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 42 Resp: 1957

Ion	Ratio	Lower	Upper
42	100		
41	76.4	64.8	120.3
57	28.1	19.7	36.7

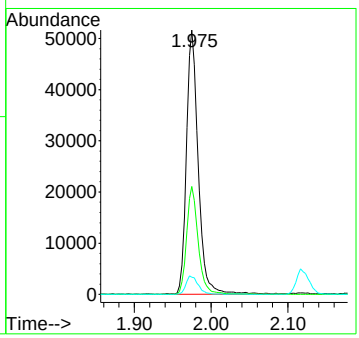


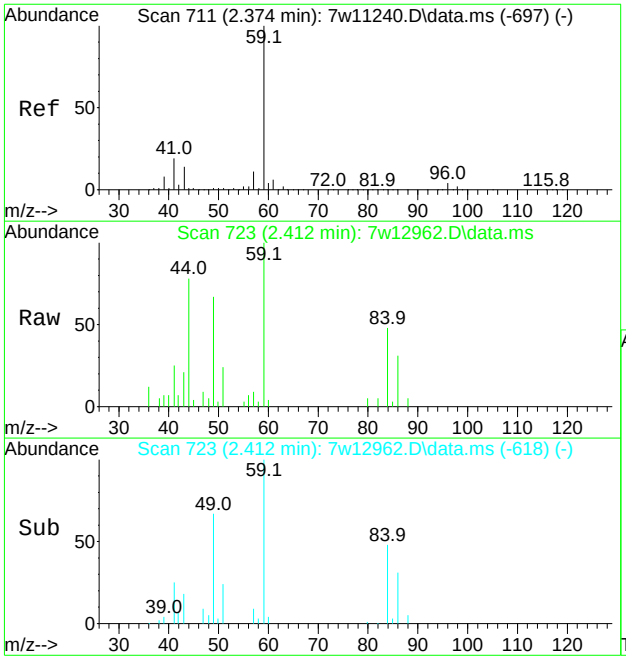


#28
ETHANOL
Concen: 8.2798 PPBV
RT: 1.975 min Scan# 587
Delta R.T. 0.016 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 45 Resp: 54853

Ion	Ratio	Lower	Upper
45	100		
46	40.2	28.6	53.0
42	7.4	6.3	11.7

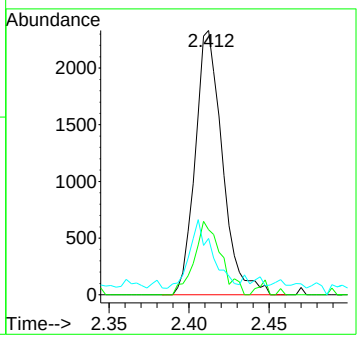


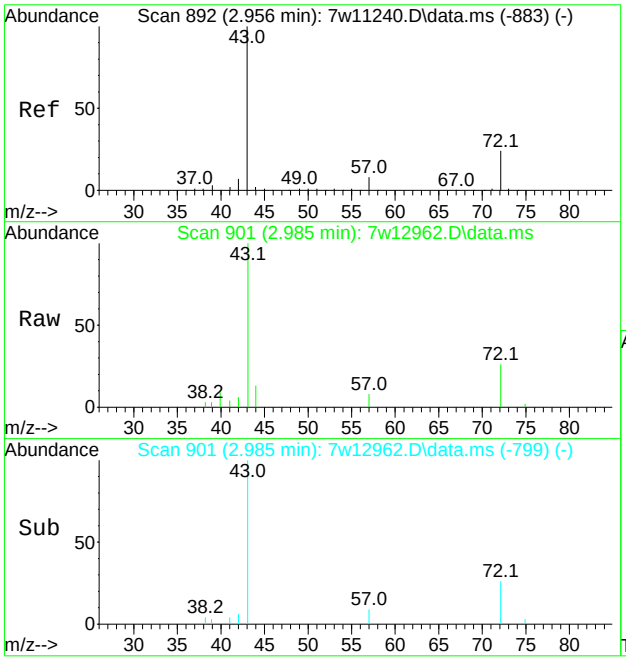


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.0990 PPBV
RT: 2.412 min Scan# 723
Delta R.T. 0.038 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 59 Resp: 2755

Ion	Ratio	Lower	Upper
59	100		
41	27.2	14.3	26.5#
43	39.3	9.9	18.5#

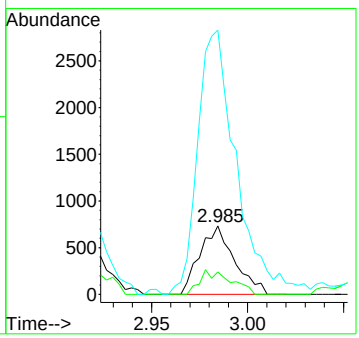


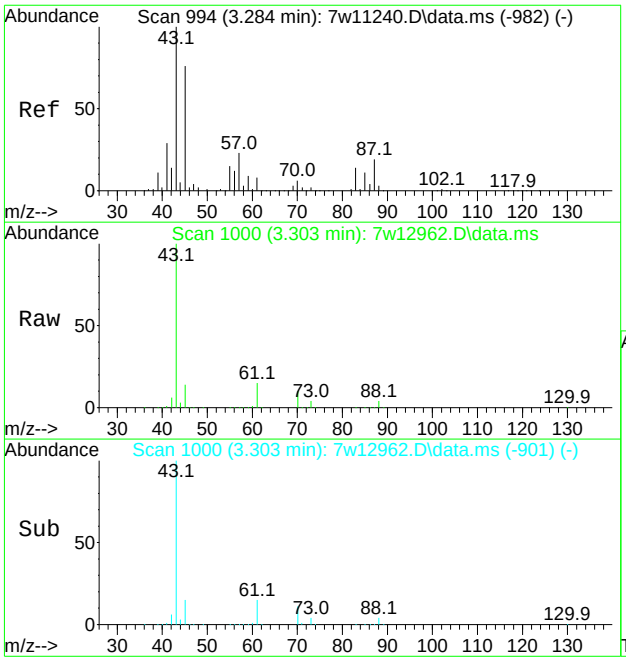


#41
METHYL ETHYL KETONE
Concen: 0.1585 PPBV
RT: 2.985 min Scan# 901
Delta R.T. 0.029 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 72 Resp: 920

Ion	Ratio	Lower	Upper
72	100		
57	31.7	25.3	46.9
43	432.3	299.6	556.4

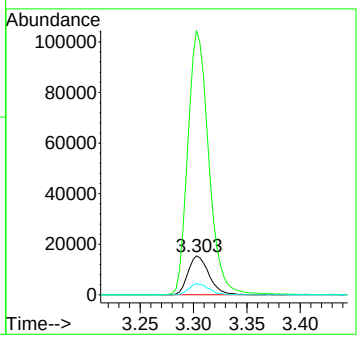


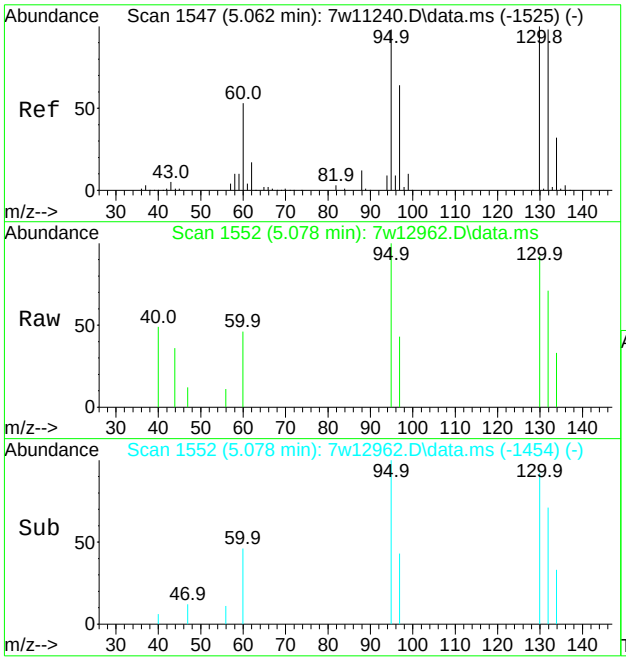


#44
ETHYL ACETATE
Concen: 5.0901 PPBV
RT: 3.303 min Scan# 1000
Delta R.T. 0.019 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 61 Resp: 20982

Ion	Ratio	Lower	Upper
61	100		
43	683.1	1005.1	1866.5#
88	27.7	29.3	54.5#

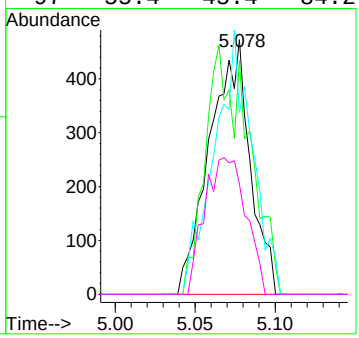




#55
TRICHLOROETHENE
Concen: 0.0502 PPBV
RT: 5.078 min Scan# 1552
Delta R.T. 0.016 min
Lab File: 7w12962.D
Acq: 24 Feb 2025 10:53 am

Tgt Ion: 95 Resp: 825

Ion	Ratio	Lower	Upper
95	100		
130	105.2	72.8	135.2
132	96.8	71.9	133.5
97	55.4	45.4	84.2



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12963.D
Acq On : 24 Feb 2025 11:32 am
Operator : benk
Sample : je5344-3 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 25 01:46:29 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

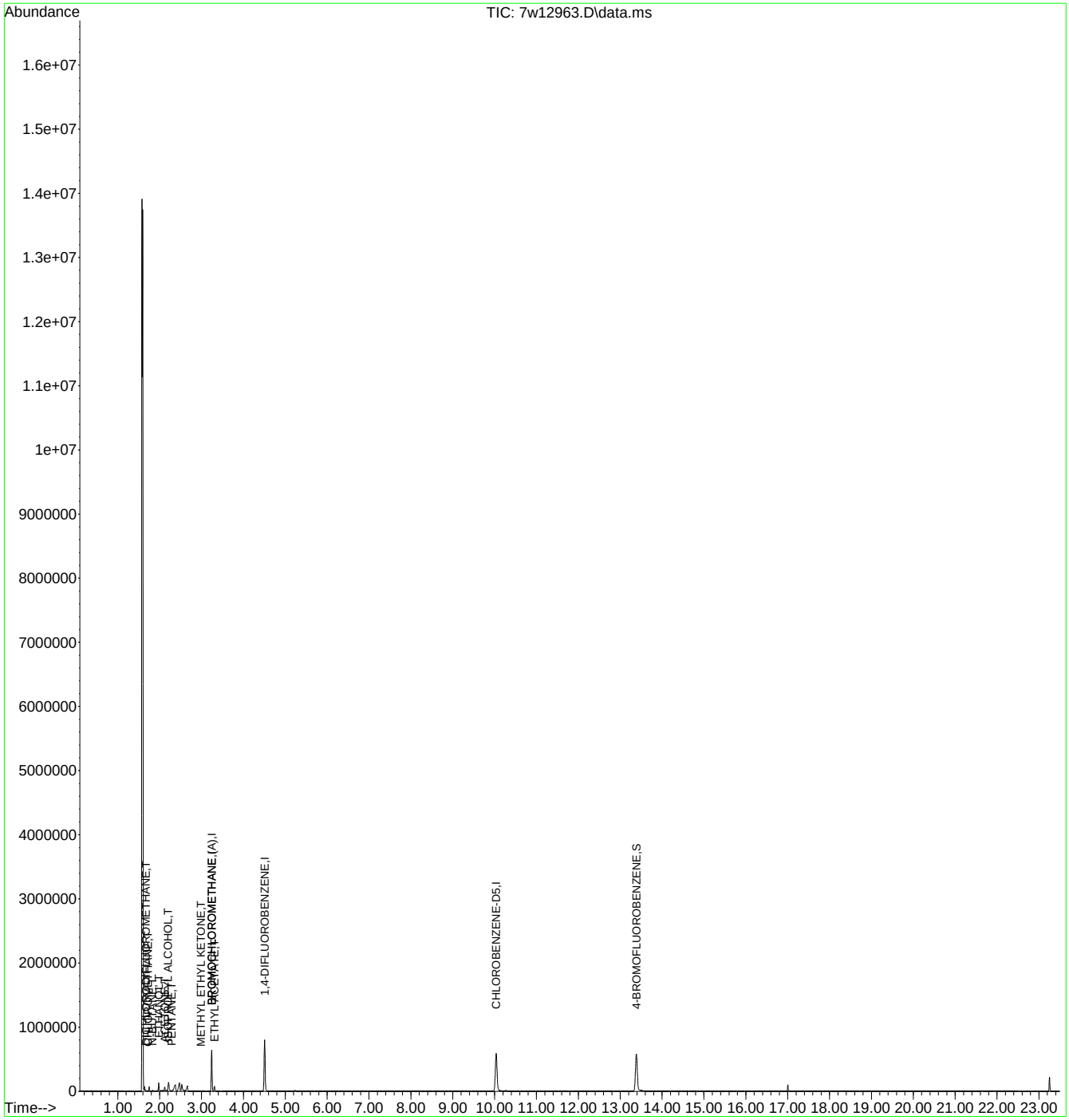
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.242	128	128689	10.00	PPBV	0.02
52) 1,4-DIFLUOROBENZENE	4.508	114	637384	10.00	PPBV	0.02
76) CHLOROBENZENE-D5	10.036	117	588954	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.242	128	128689	10.00	PPBV	0.02
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	408525	9.56	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.669	85	3396	0.1058	PPBV #	92
10) CHLOROMETHANE	1.714	52	557	0.1672	PPBV	99
13) N-BUTANE	1.830	43	5526	0.3311	PPBV #	92
22) ISOPROPYL ALCOHOL	2.200	45	23069	0.9676	PPBV	99
23) ACETONE	2.119	58	14219	1.9017	PPBV	62
24) PENTANE	2.283	42	1803	0.1574	PPBV	87
28) ETHANOL	1.978	45	75949	11.6374	PPBV	99
41) METHYL ETHYL KETONE	2.981	72	865	0.1513	PPBV	69
44) ETHYL ACETATE	3.306	61	9444	2.3257	PPBV #	1

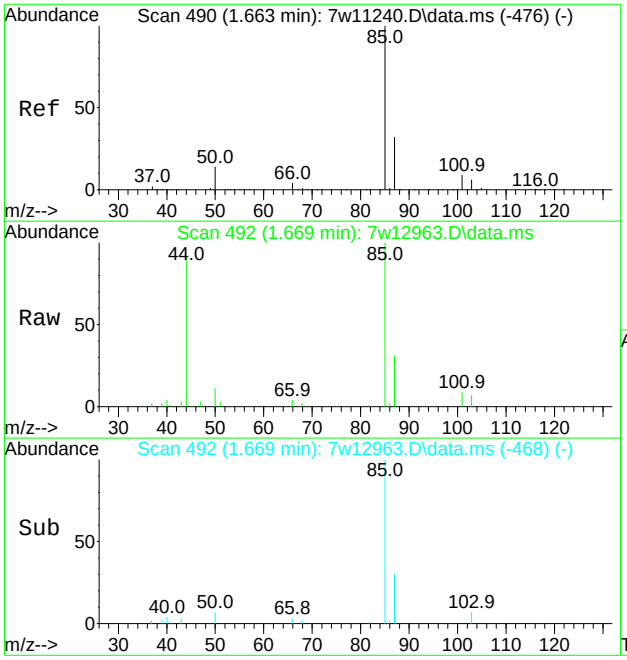
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12963.D
Acq On : 24 Feb 2025 11:32 am
Operator : benk
Sample : je5344-3 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 25 01:46:29 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

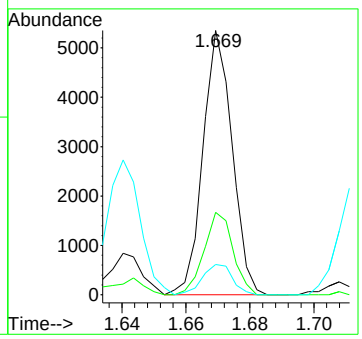


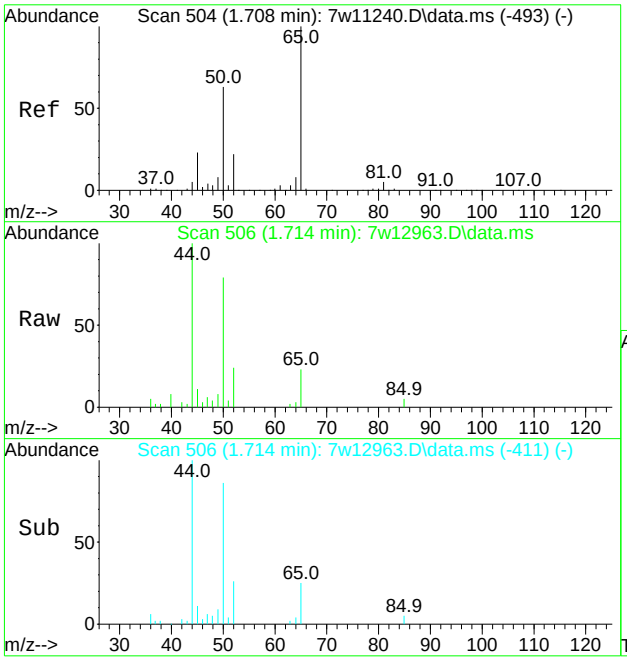


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1058 PPBV
RT: 1.669 min Scan# 492
Delta R.T. 0.006 min
Lab File: 7w12963.D
Acq: 24 Feb 2025 11:32 am

Tgt Ion: 85 Resp: 3396

Ion	Ratio	Lower	Upper
85	100		
87	30.9	22.5	41.7
50	11.5	13.8	25.6#

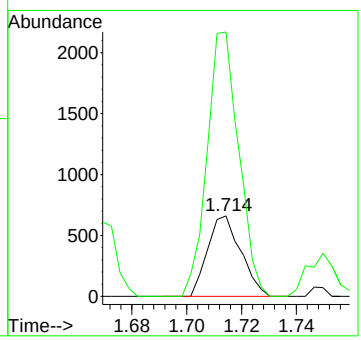


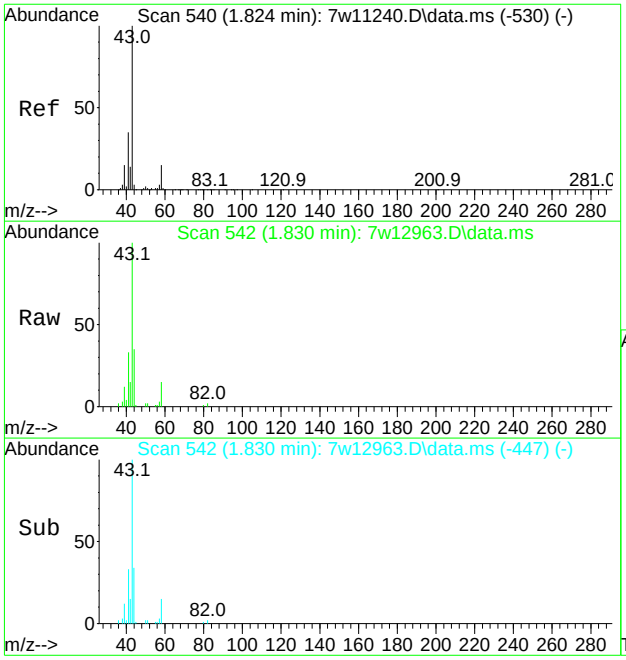


#10
CHLOROMETHANE
Concen: 0.1672 PPBV
RT: 1.714 min Scan# 506
Delta R.T. 0.006 min
Lab File: 7w12963.D
Acq: 24 Feb 2025 11:32 am

Tgt Ion: 52 Resp: 557

Ion	Ratio	Lower	Upper
52	100		
50	313.5	220.1	408.8

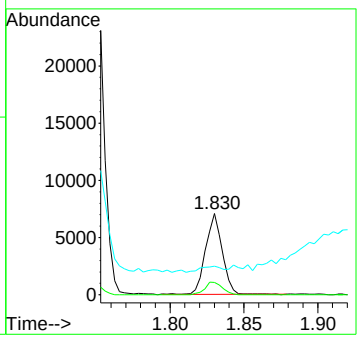


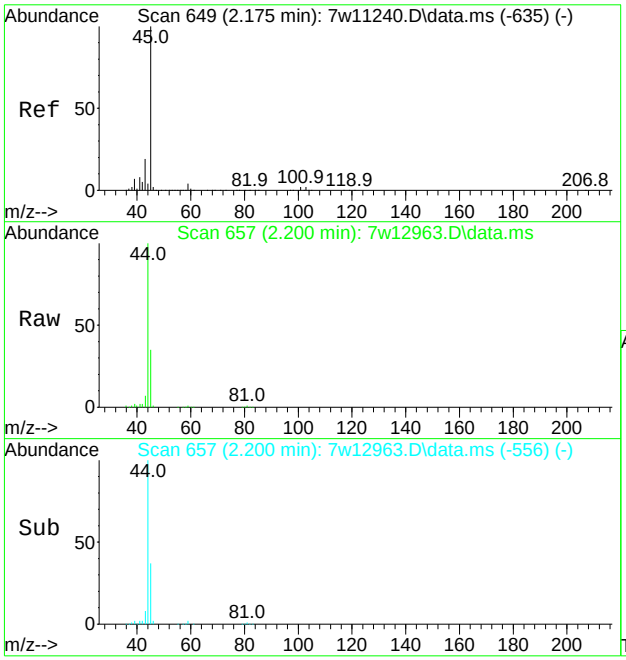


#13
N-BUTANE
Concen: 0.3311 PPBV
RT: 1.830 min Scan# 542
Delta R.T. 0.006 min
Lab File: 7w12963.D
Acq: 24 Feb 2025 11:32 am

Tgt Ion: 43 Resp: 5526

Ion	Ratio	Lower	Upper
43	100		
58	16.4	10.4	19.2
44	11.9	3.0	5.6#

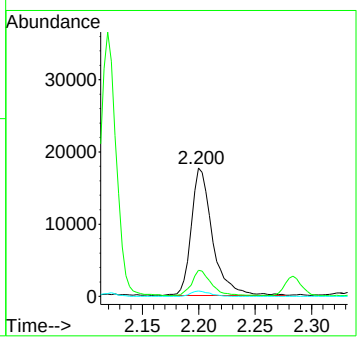


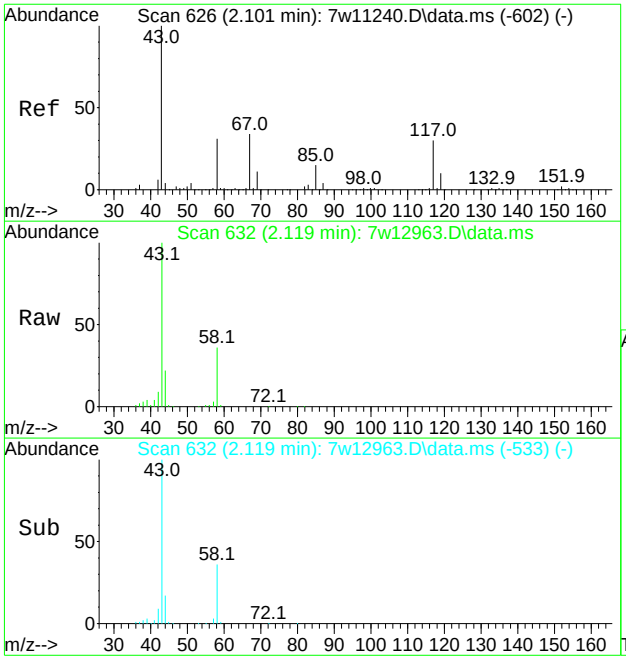


#22
ISOPROPYL ALCOHOL
Concen: 0.9676 PPBV
RT: 2.200 min Scan# 657
Delta R.T. 0.025 min
Lab File: 7w12963.D
Acq: 24 Feb 2025 11:32 am

Tgt Ion: 45 Resp: 23069

Ion	Ratio	Lower	Upper
45	100		
43	19.4	13.9	25.9
59	3.8	2.8	5.2

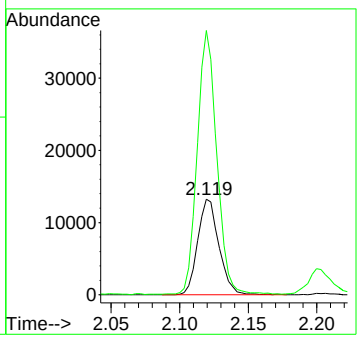


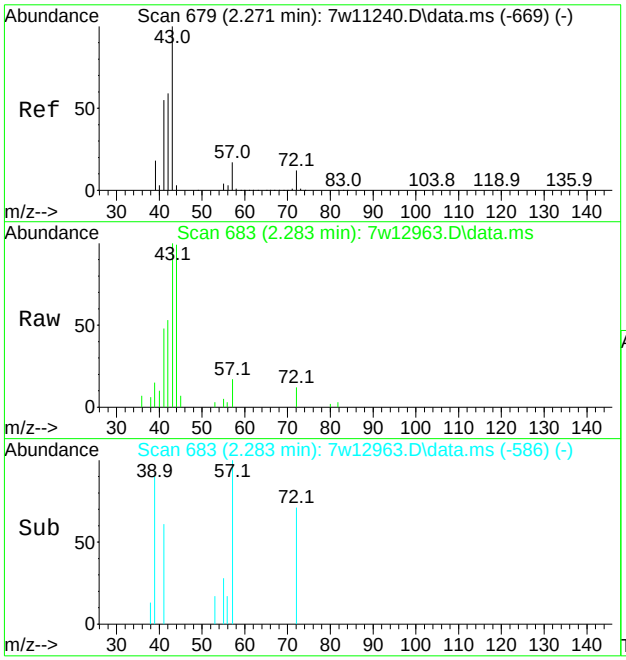


#23
ACETONE
Concen: 1.9017 PPBV
RT: 2.119 min Scan# 632
Delta R.T. 0.018 min
Lab File: 7w12963.D
Acq: 24 Feb 2025 11:32 am

Tgt Ion: 58 Resp: 14219

Ion	Ratio	Lower	Upper
58	100		
43	254.5	234.4	435.2

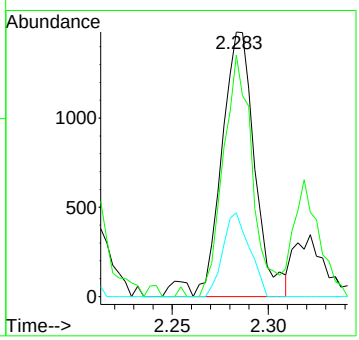


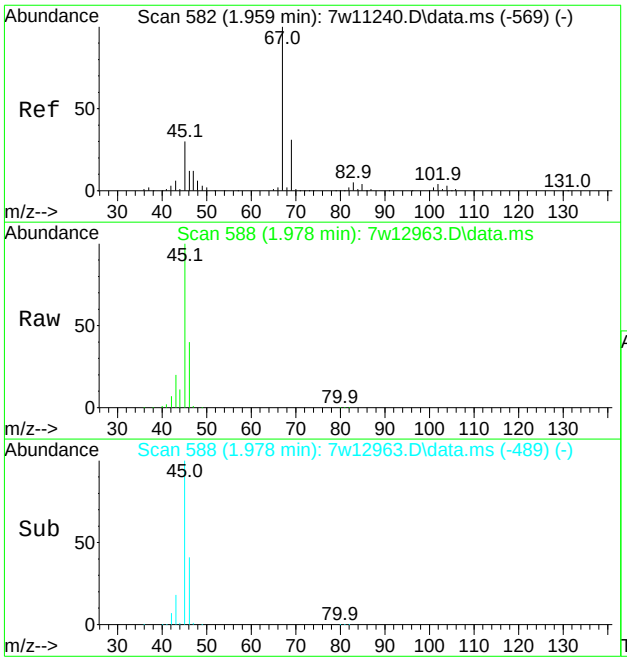


#24
PENTANE
Concen: 0.1574 PPBV
RT: 2.283 min Scan# 683
Delta R.T. 0.012 min
Lab File: 7w12963.D
Acq: 24 Feb 2025 11:32 am

Tgt Ion: 42 Resp: 1803

Ion	Ratio	Lower	Upper
42	100		
41	77.8	64.8	120.3
57	25.1	19.7	36.7

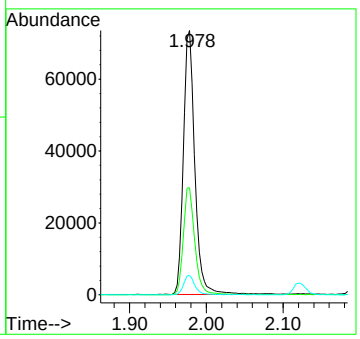


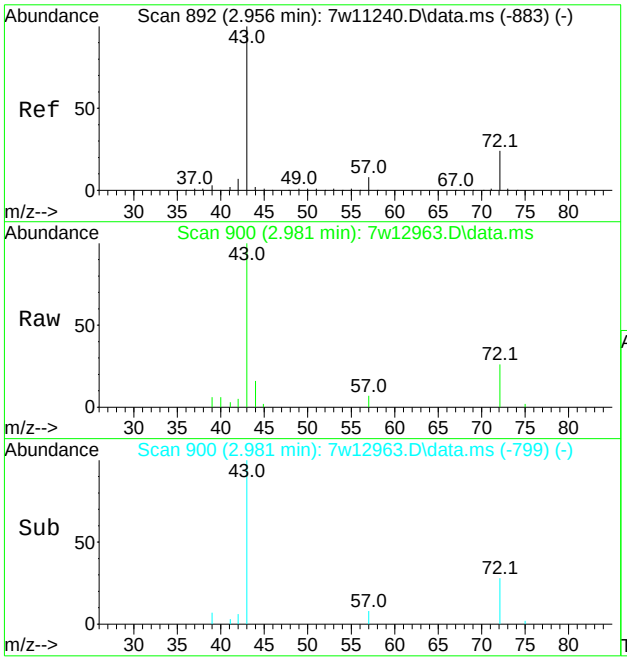


#28
ETHANOL
Concen: 11.6374 PPBV
RT: 1.978 min Scan# 588
Delta R.T. 0.019 min
Lab File: 7w12963.D
Acq: 24 Feb 2025 11:32 am

Tgt Ion: 45 Resp: 75949

Ion	Ratio	Lower	Upper
45	100		
46	40.8	28.6	53.0
42	7.5	6.3	11.7

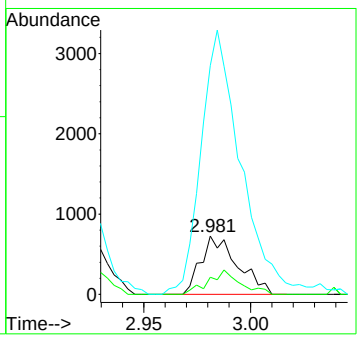


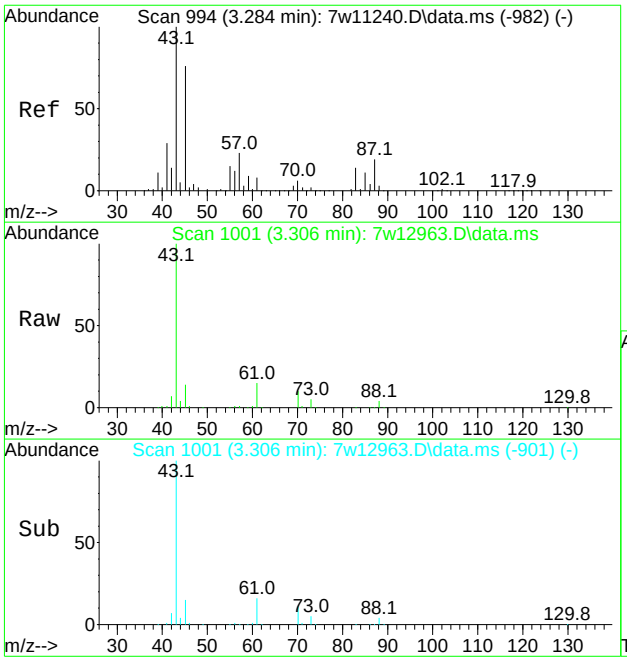


#41
METHYL ETHYL KETONE
Concen: 0.1513 PPBV
RT: 2.981 min Scan# 900
Delta R.T. 0.025 min
Lab File: 7w12963.D
Acq: 24 Feb 2025 11:32 am

Tgt Ion: 72 Resp: 865

Ion	Ratio	Lower	Upper
72	100		
57	36.1	25.3	46.9
43	511.0	299.6	556.4

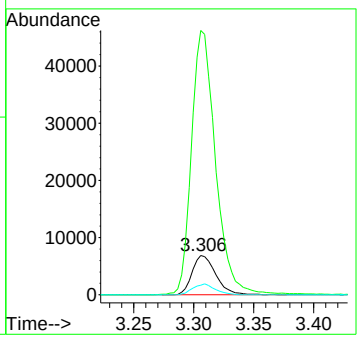




#44
ETHYL ACETATE
Concen: 2.3257 PPBV
RT: 3.306 min Scan# 1001
Delta R.T. 0.022 min
Lab File: 7w12963.D
Acq: 24 Feb 2025 11:32 am

Tgt Ion: 61 Resp: 9444

Ion	Ratio	Lower	Upper
61	100		
43	688.8	1005.1	1866.5#
88	25.9	29.3	54.5#



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12964.D
Acq On : 24 Feb 2025 12:10 pm
Operator : benk
Sample : je5344-4 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 25 01:45:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

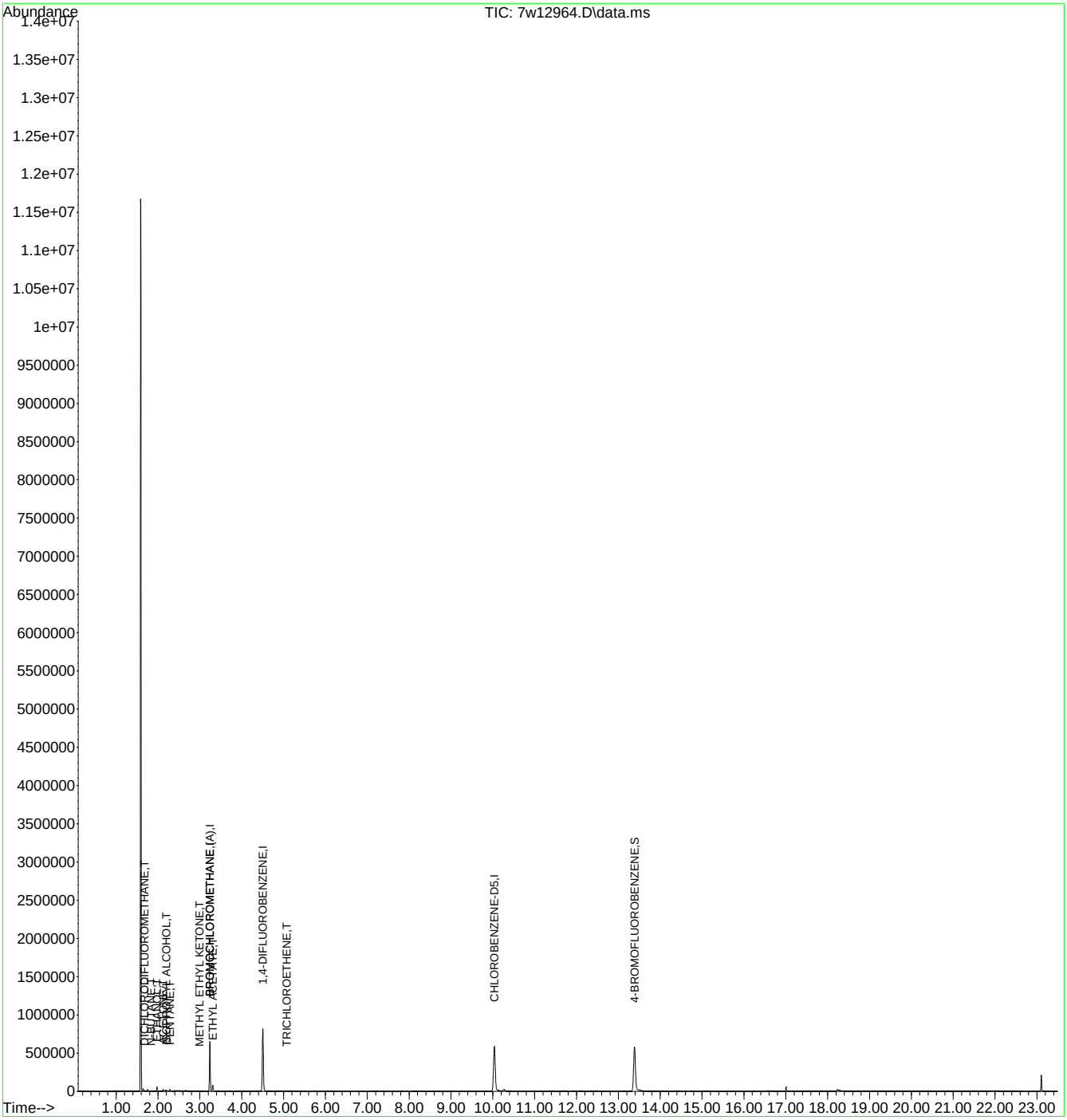
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.238	128	131558	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	4.505	114	649835	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.035	117	593039	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.238	128	131544	10.00	PPBV	0.01
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	405877	9.43	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.672	85	5872	0.1790	PPBV #	93
13) N-BUTANE	1.833	43	2661	0.1560	PPBV #	60
22) ISOPROPYL ALCOHOL	2.200	45	11213	0.4601	PPBV	96
23) ACETONE	2.119	58	5802	0.7591	PPBV	73
24) PENTANE	2.287	42	5605	0.4788	PPBV	100
28) ETHANOL	1.975	45	33549	5.0285	PPBV	98
41) METHYL ETHYL KETONE	2.987	72	566	0.0968	PPBV	92
44) ETHYL ACETATE	3.306	61	10353	2.4939	PPBV #	1
55) TRICHLOROETHENE	5.068	95	1662	0.1006	PPBV	95

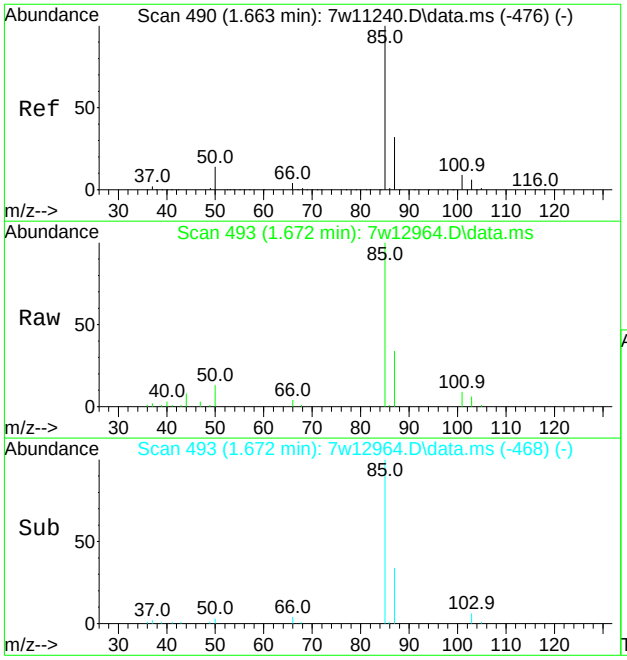
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12964.D
Acq On : 24 Feb 2025 12:10 pm
Operator : benk
Sample : je5344-4 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 25 01:45:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

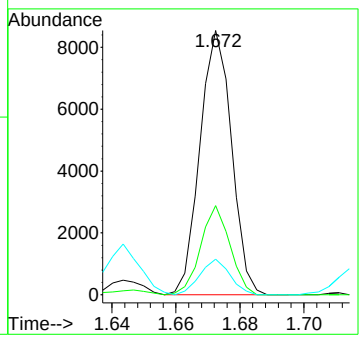


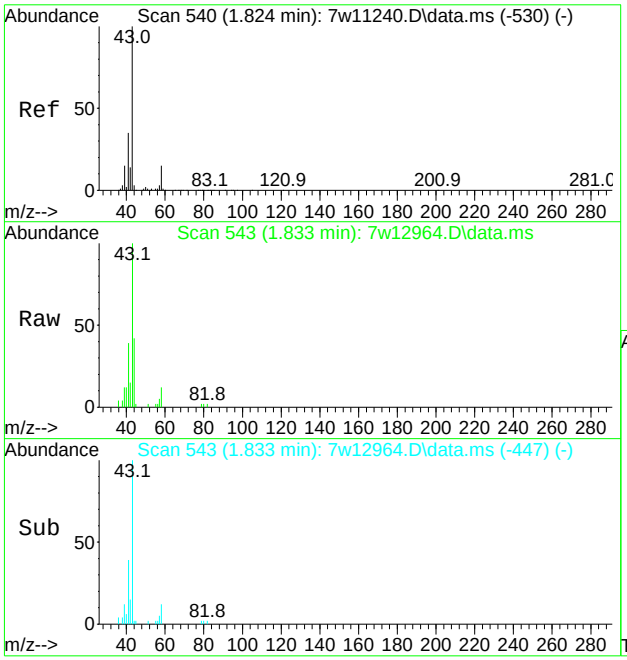


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1790 PPBV
RT: 1.672 min Scan# 493
Delta R.T. 0.009 min
Lab File: 7w12964.D
Acq: 24 Feb 2025 12:10 pm

Tgt Ion: 85 Resp: 5872

Ion	Ratio	Lower	Upper
85	100		
87	33.3	22.5	41.7
50	12.8	13.8	25.6#

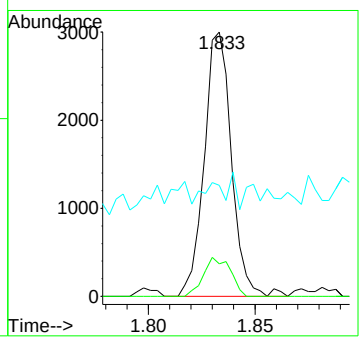


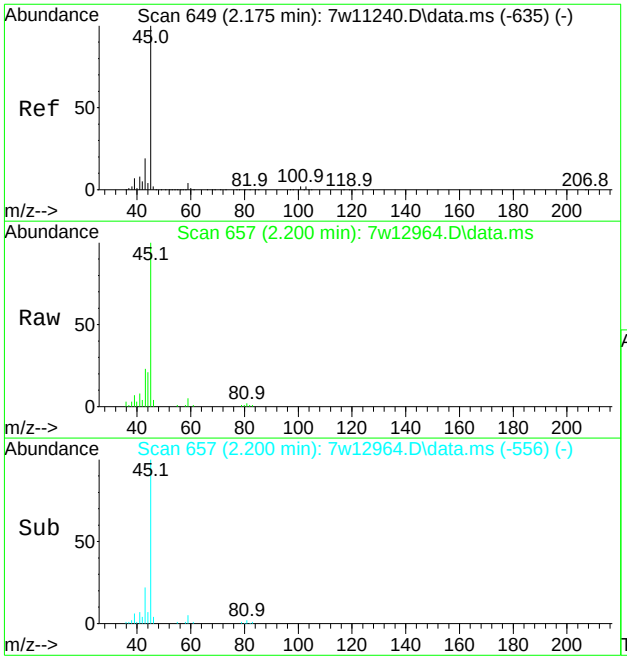


#13
N-BUTANE
Concen: 0.1560 PPBV
RT: 1.833 min Scan# 543
Delta R.T. 0.009 min
Lab File: 7w12964.D
Acq: 24 Feb 2025 12:10 pm

Tgt Ion: 43 Resp: 2661

Ion	Ratio	Lower	Upper
43	100		
58	14.6	10.4	19.2
44	62.0	3.0	5.6#

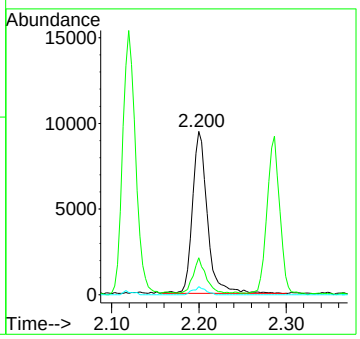


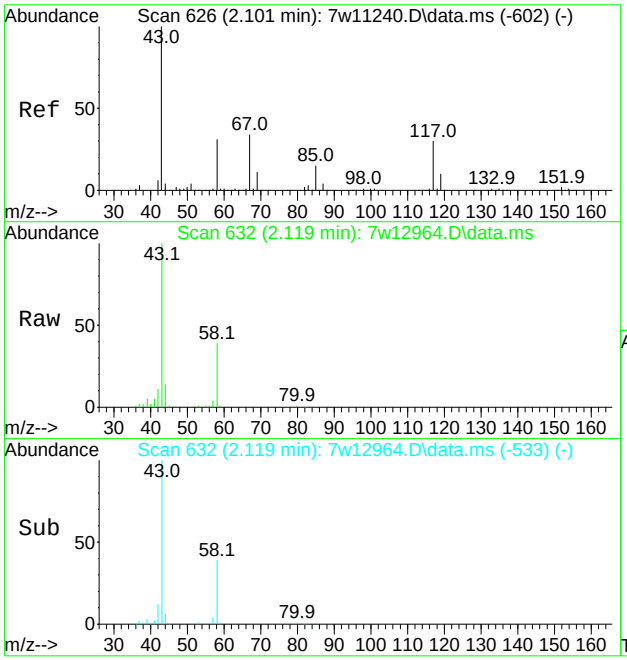


#22
ISOPROPYL ALCOHOL
Concen: 0.4601 PPBV
RT: 2.200 min Scan# 657
Delta R.T. 0.025 min
Lab File: 7w12964.D
Acq: 24 Feb 2025 12:10 pm

Tgt Ion: 45 Resp: 11213

Ion	Ratio	Lower	Upper
45	100		
43	22.2	13.9	25.9
59	4.1	2.8	5.2

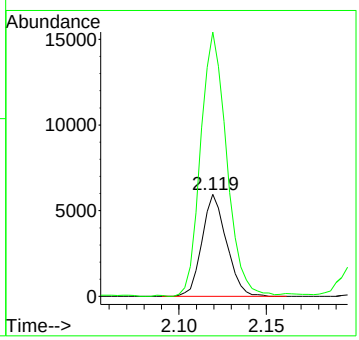


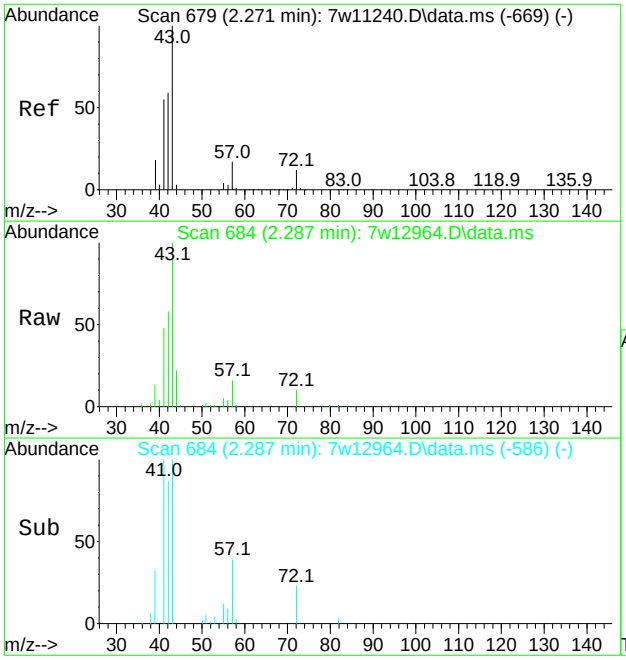


#23
ACETONE
Concen: 0.7591 PPBV
RT: 2.119 min Scan# 632
Delta R.T. 0.018 min
Lab File: 7w12964.D
Acq: 24 Feb 2025 12:10 pm

Tgt Ion: 58 Resp: 5802

Ion	Ratio	Lower	Upper
58	100		
43	278.9	234.4	435.2

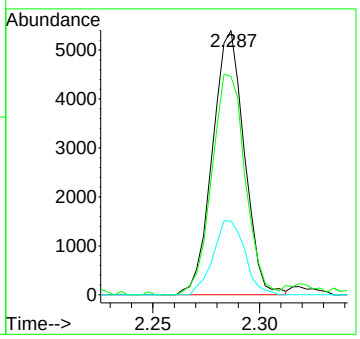


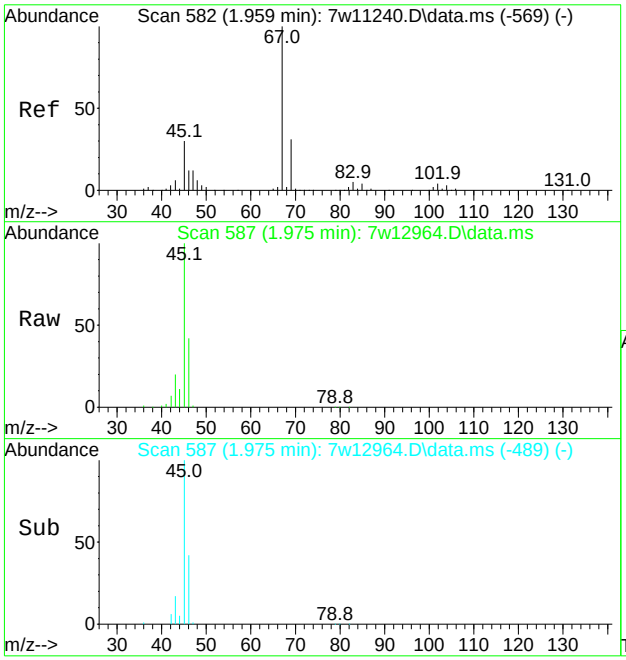


#24
PENTANE
Concen: 0.4788 PPBV
RT: 2.287 min Scan# 684
Delta R.T. 0.016 min
Lab File: 7w12964.D
Acq: 24 Feb 2025 12:10 pm

Tgt Ion: 42 Resp: 5605

Ion	Ratio	Lower	Upper
42	100		
41	92.4	64.8	120.3
57	28.0	19.7	36.7

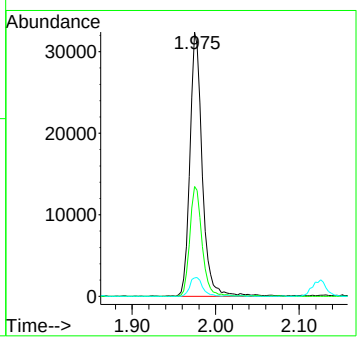


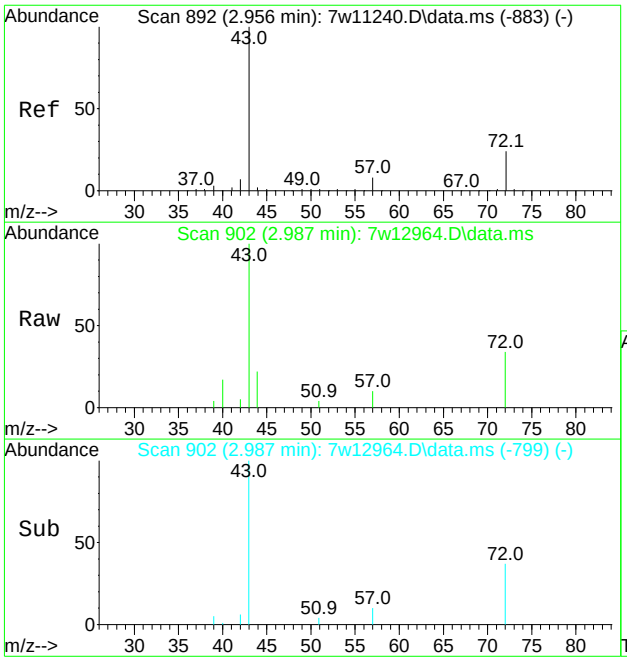


#28
ETHANOL
Concen: 5.0285 PPBV
RT: 1.975 min Scan# 587
Delta R.T. 0.016 min
Lab File: 7w12964.D
Acq: 24 Feb 2025 12:10 pm

Tgt Ion: 45 Resp: 33549

Ion	Ratio	Lower	Upper
45	100		
46	41.5	28.6	53.0
42	7.5	6.3	11.7

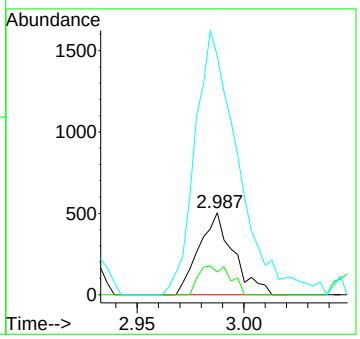


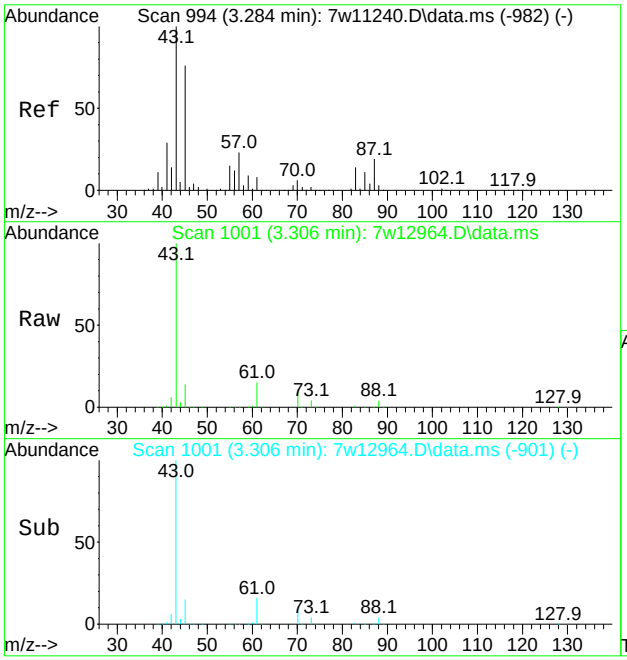


#41
METHYL ETHYL KETONE
Concen: 0.0968 PPBV
RT: 2.987 min Scan# 902
Delta R.T. 0.031 min
Lab File: 7w12964.D
Acq: 24 Feb 2025 12:10 pm

Tgt Ion: 72 Resp: 566

Ion	Ratio	Lower	Upper
72	100		
57	32.3	25.3	46.9
43	406.9	299.6	556.4

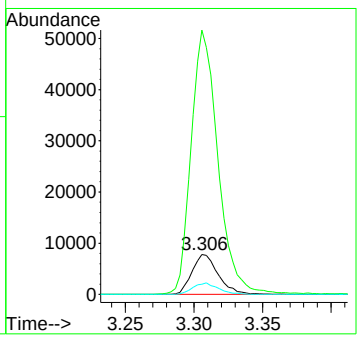


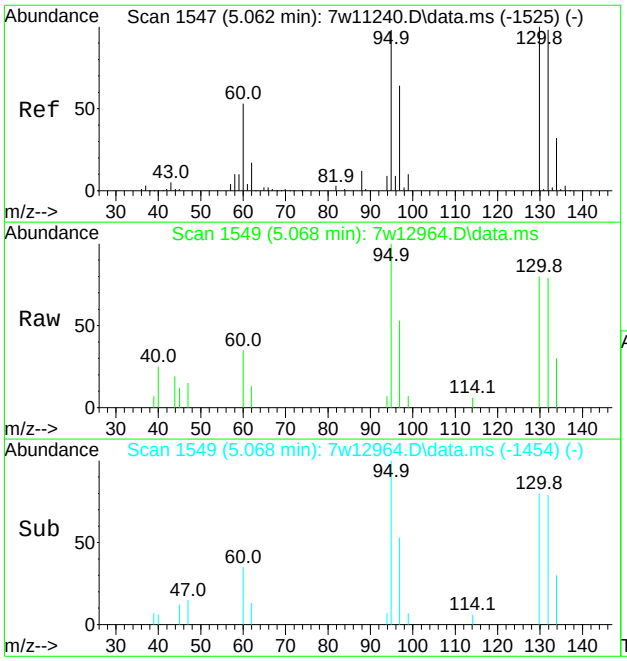


#44
ETHYL ACETATE
Concen: 2.4939 PPBV
RT: 3.306 min Scan# 1001
Delta R.T. 0.022 min
Lab File: 7w12964.D
Acq: 24 Feb 2025 12:10 pm

Tgt Ion: 61 Resp: 10353

Ion	Ratio	Lower	Upper
61	100		
43	681.4	1005.1	1866.5#
88	27.6	29.3	54.5#

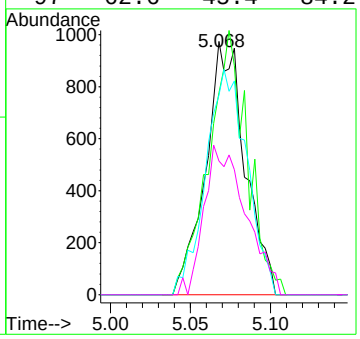




#55
TRICHLOROETHENE
Concen: 0.1006 PPBV
RT: 5.068 min Scan# 1549
Delta R.T. 0.006 min
Lab File: 7w12964.D
Acq: 24 Feb 2025 12:10 pm

Tgt Ion: 95 Resp: 1662

Ion	Ratio	Lower	Upper
95	100		
130	102.4	72.8	135.2
132	93.4	71.9	133.5
97	62.6	45.4	84.2



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12965.D
Acq On : 24 Feb 2025 12:49 pm
Operator : benk
Sample : je5344-6 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 25 01:47:51 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

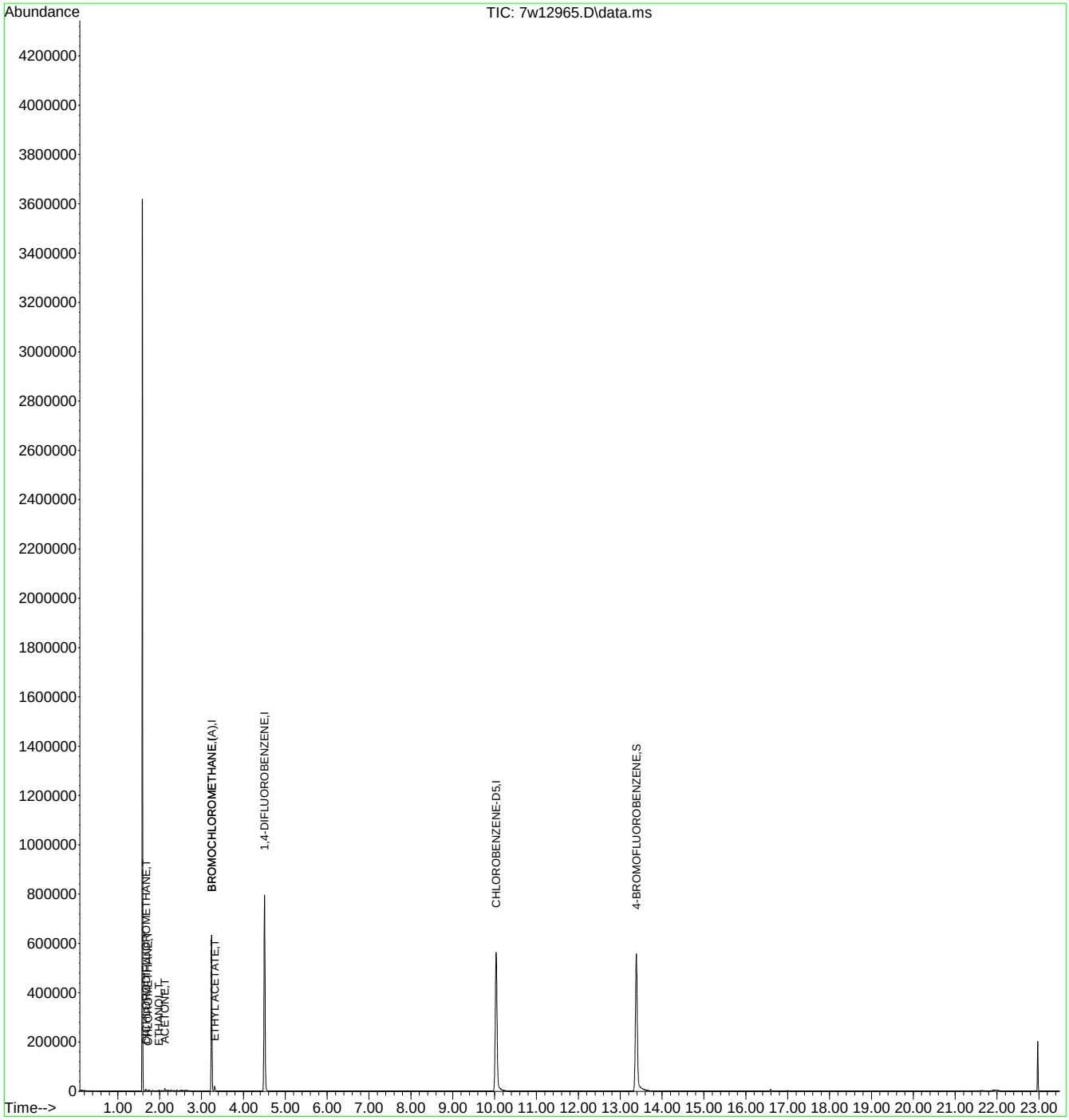
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.242	128	130004	10.00	PPBV	0.02
52) 1,4-DIFLUOROBENZENE	4.505	114	633455	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.039	117	574602	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.242	128	130004	10.00	PPBV	0.02
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	393522	9.44	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.673	85	3482	0.1074	PPBV #	92
10) CHLOROMETHANE	1.718	52	476	0.1415	PPBV	100
23) ACETONE	2.123	58	2365	0.3131	PPBV	58
28) ETHANOL	1.981	45	1572	0.2384	PPBV	88
44) ETHYL ACETATE	3.312	61	2780	0.6777	PPBV #	1

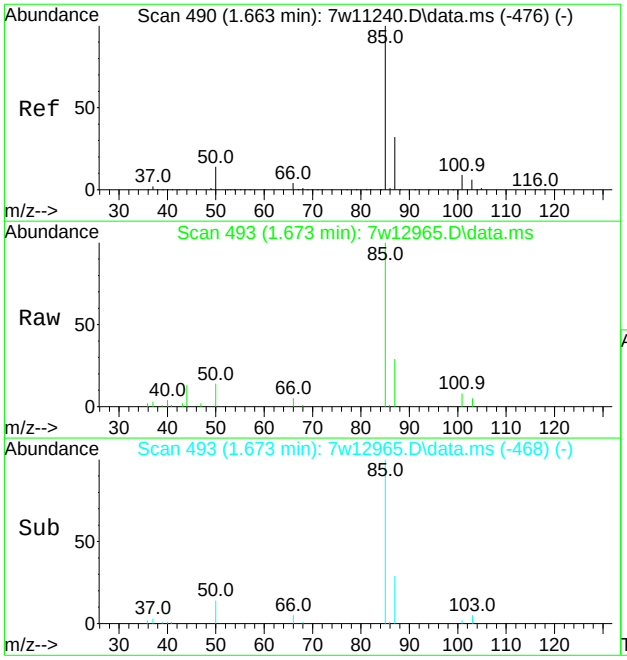
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12965.D
Acq On : 24 Feb 2025 12:49 pm
Operator : benk
Sample : je5344-6 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 25 01:47:51 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

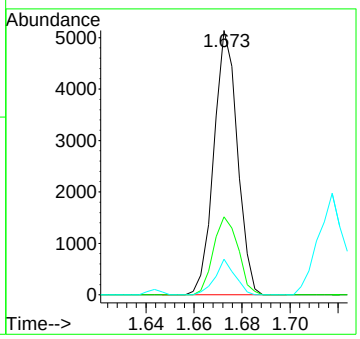


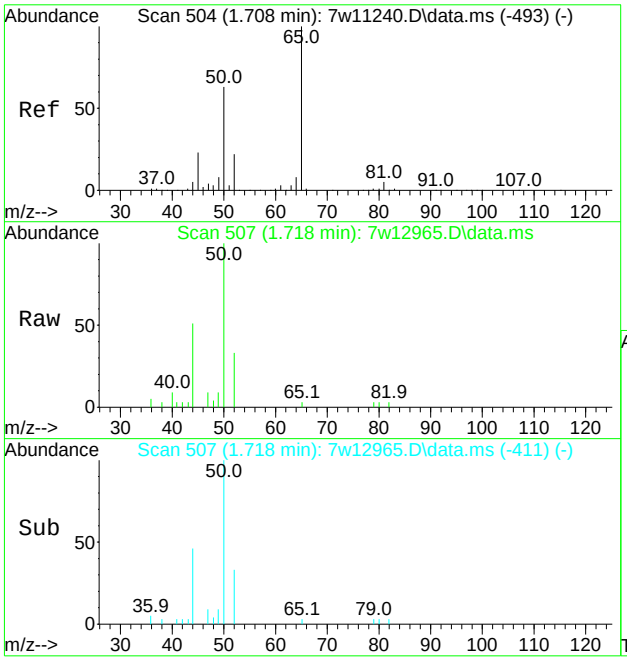


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1074 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w12965.D
Acq: 24 Feb 2025 12:49 pm

Tgt Ion: 85 Resp: 3482

Ion	Ratio	Lower	Upper
85	100		
87	31.0	22.5	41.7
50	11.4	13.8	25.6#

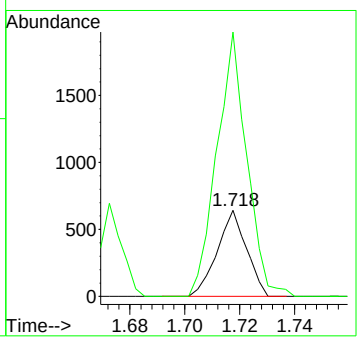


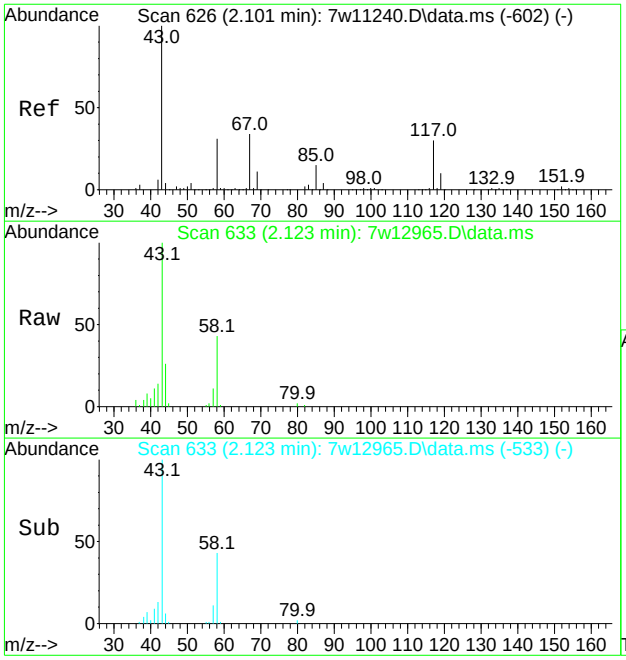


#10
CHLOROMETHANE
Concen: 0.1415 PPBV
RT: 1.718 min Scan# 507
Delta R.T. 0.010 min
Lab File: 7w12965.D
Acq: 24 Feb 2025 12:49 pm

Tgt Ion: 52 Resp: 476

Ion	Ratio	Lower	Upper
52	100		
50	315.3	220.1	408.8

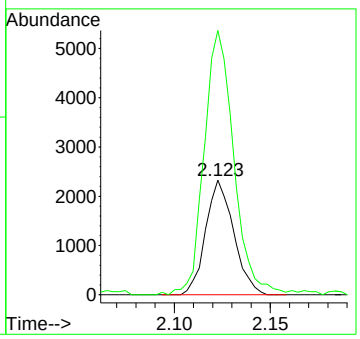


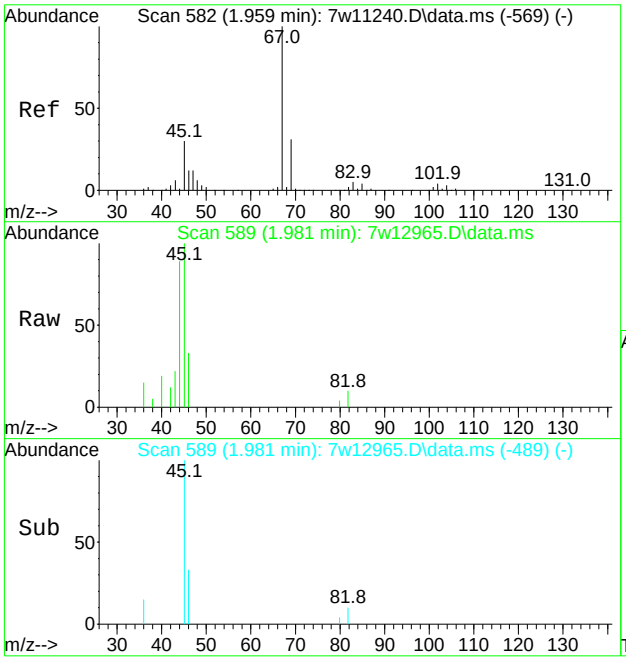


#23
ACETONE
Concen: 0.3131 PPBV
RT: 2.123 min Scan# 633
Delta R.T. 0.022 min
Lab File: 7w12965.D
Acq: 24 Feb 2025 12:49 pm

Tgt Ion: 58 Resp: 2365

Ion	Ratio	Lower	Upper
58	100		
43	246.2	234.4	435.2

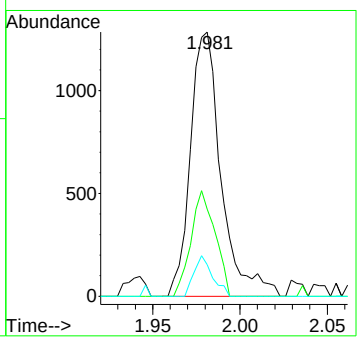


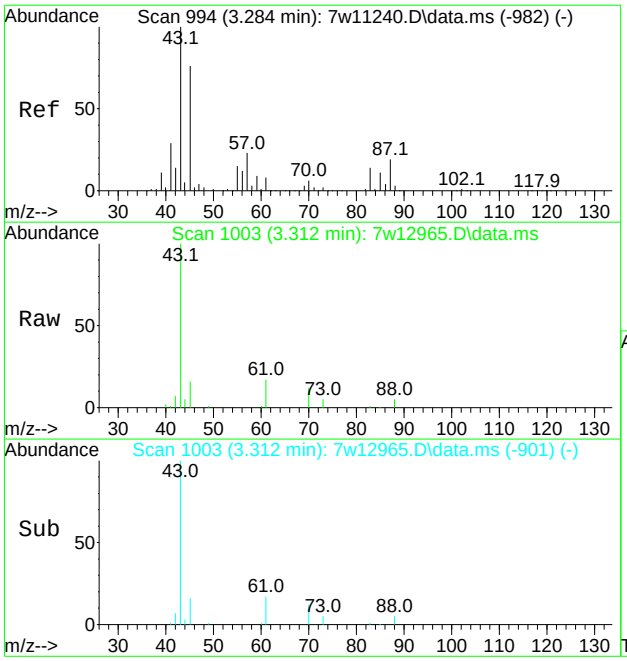


#28
ETHANOL
Concen: 0.2384 PPBV
RT: 1.981 min Scan# 589
Delta R.T. 0.022 min
Lab File: 7w12965.D
Acq: 24 Feb 2025 12:49 pm

Tgt Ion: 45 Resp: 1572

Ion	Ratio	Lower	Upper
45	100		
46	31.4	28.6	53.0
42	9.3	6.3	11.7

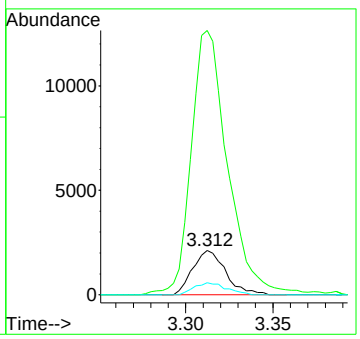




#44
ETHYL ACETATE
Concen: 0.6777 PPBV
RT: 3.312 min Scan# 1003
Delta R.T. 0.028 min
Lab File: 7w12965.D
Acq: 24 Feb 2025 12:49 pm

Tgt Ion: 61 Resp: 2780

Ion	Ratio	Lower	Upper
61	100		
43	669.0	1005.1	1866.5#
88	26.8	29.3	54.5#



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12966.D
Acq On : 24 Feb 2025 1:28 pm
Operator : benk
Sample : je5344-7 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 02:05:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

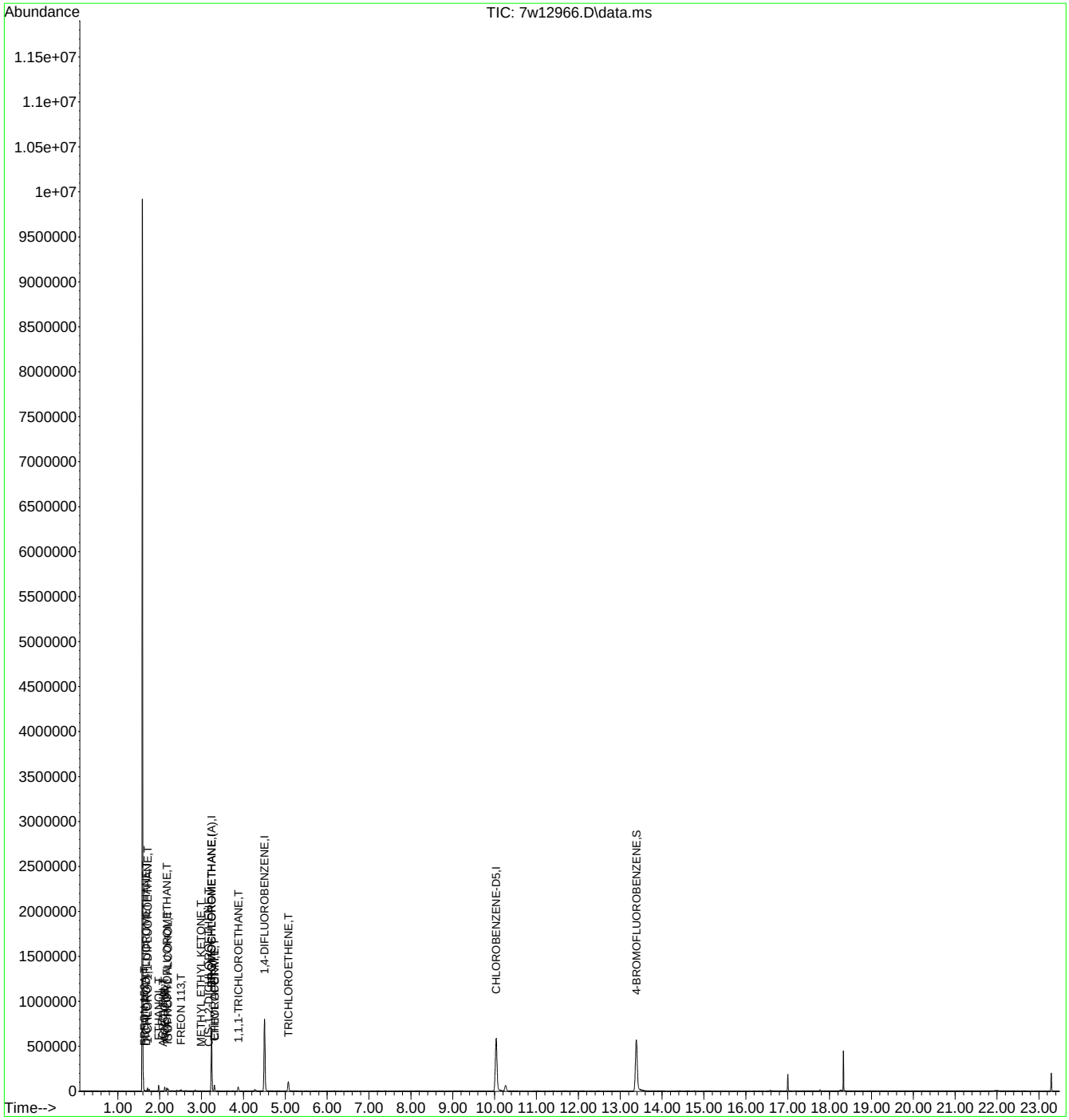
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.238	128	132231	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	4.505	114	646961	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.036	117	588614	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.238	128	132231	10.00	PPBV	0.01
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	404606	9.47	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.631	65	1645	0.2612	PPBV	92
6) DICHLORODIFLUOROMETHANE	1.673	85	3385	0.1027	PPBV #	93
8) 1-CHLORO-1,1-DIFLUOROE...	1.711	65	14753	0.6042	PPBV	97
18) ACROLEIN	2.074	56	564	0.1010	PPBV	80
21) TRICHLOROFLUOROMETHANE	2.171	101	15718	0.5414	PPBV	99
22) ISOPROPYL ALCOHOL	2.200	45	19459	0.7944	PPBV	98
23) ACETONE	2.119	58	10829	1.4095	PPBV	65
28) ETHANOL	1.975	45	40495	6.0387	PPBV	99
33) FREON 113	2.509	151	2265	0.1305	PPBV	93
41) METHYL ETHYL KETONE	2.984	72	811	0.1380	PPBV	89
42) CIS-1,2-DICHLOROETHENE	3.168	96	1269	0.1032	PPBV	99
44) ETHYL ACETATE	3.309	61	7783	1.8653	PPBV #	1
46) CHLOROFORM	3.312	83	3220	0.1332	PPBV	86
48) 1,1,1-TRICHLOROETHANE	3.878	97	25815	0.9960	PPBV	99
55) TRICHLOROETHENE	5.074	95	37146	2.2587	PPBV	96

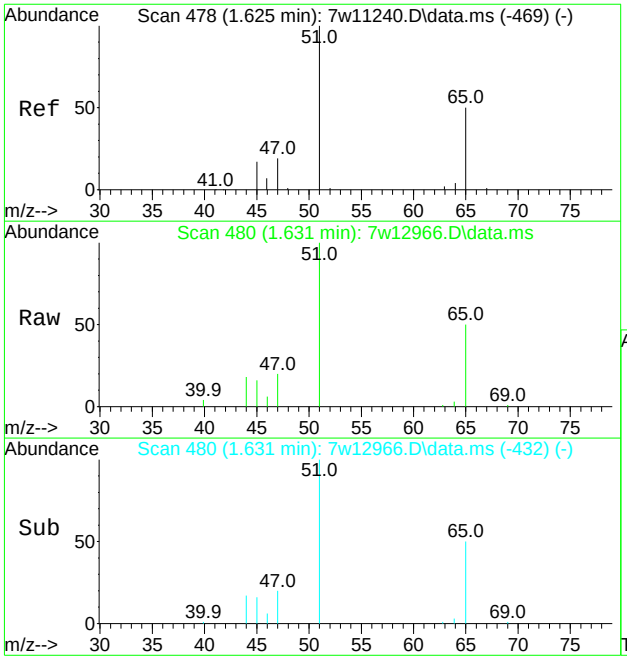
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12966.D
Acq On : 24 Feb 2025 1:28 pm
Operator : benk
Sample : je5344-7 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 02:05:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

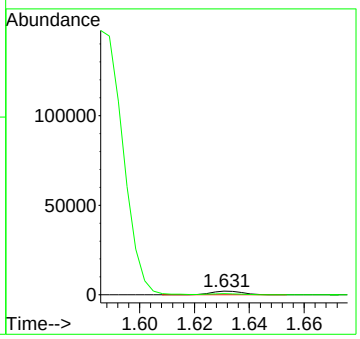


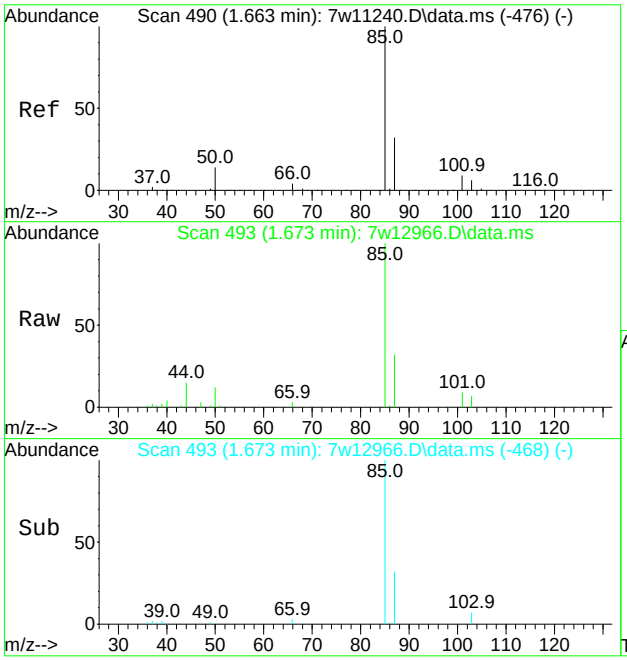


#3
FREON 152A
Concen: 0.2612 PPBV
RT: 1.631 min Scan# 480
Delta R.T. 0.006 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 65 Resp: 1645

Ion	Ratio	Lower	Upper
65	100		
45	29.2	23.5	43.7

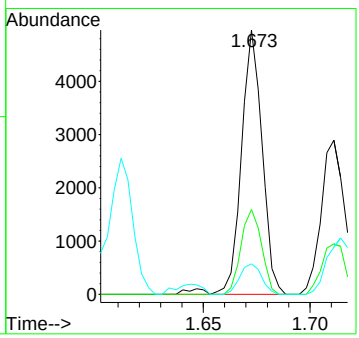


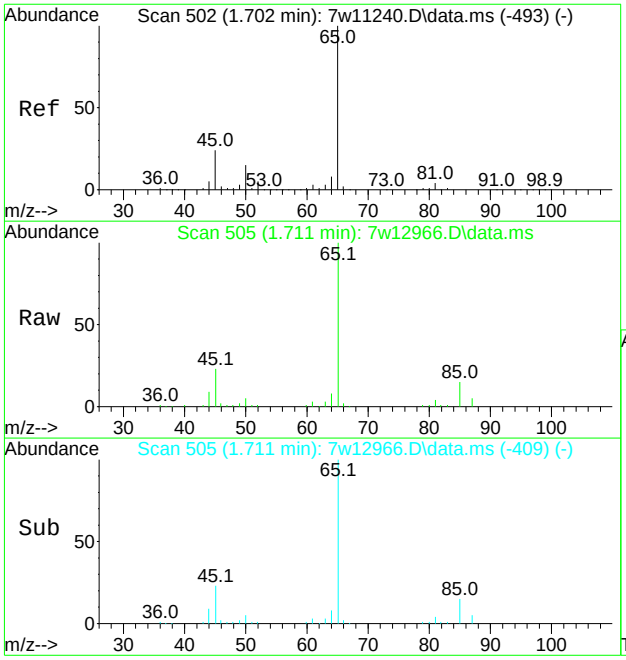


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1027 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 85 Resp: 3385

Ion	Ratio	Lower	Upper
85	100		
87	31.5	22.5	41.7
50	12.1	13.8	25.6#

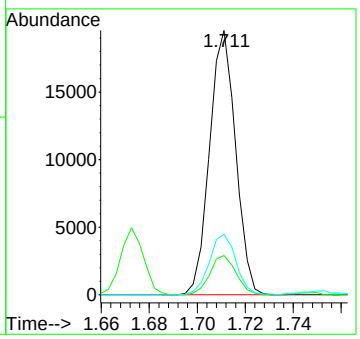


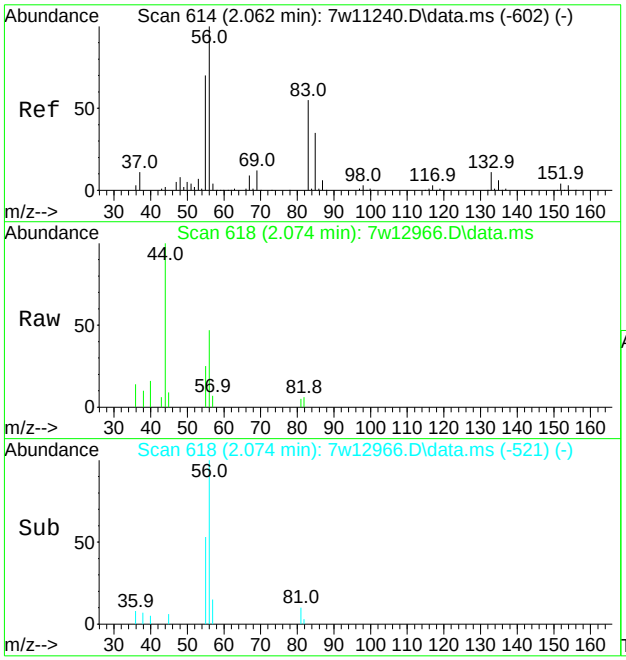


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.6042 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.009 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 65 Resp: 14753

Ion	Ratio	Lower	Upper
65	100		
85	14.9	8.9	16.5
45	23.5	17.1	31.7

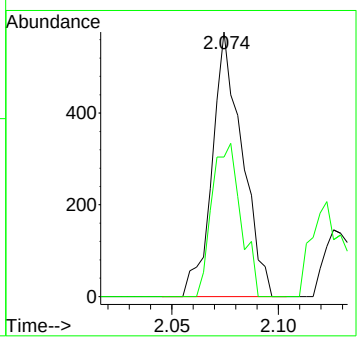


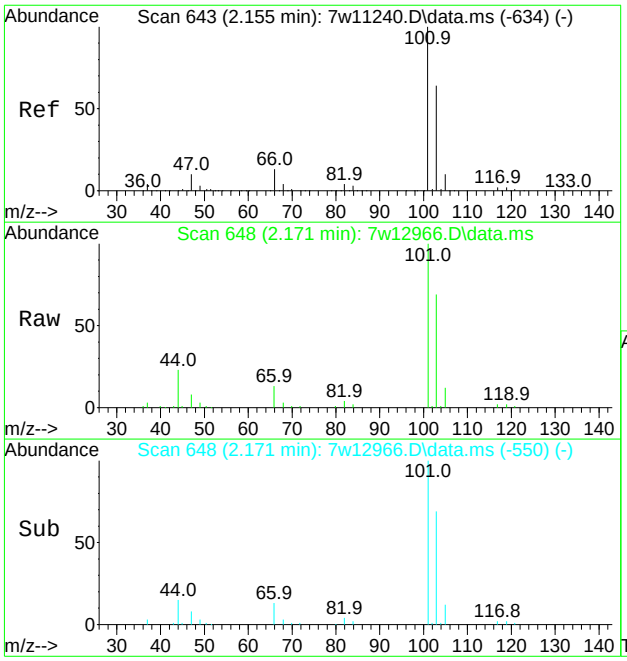


#18
ACROLEIN
Concen: 0.1010 PPBV
RT: 2.074 min Scan# 618
Delta R.T. 0.012 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 56 Resp: 564

Ion	Ratio	Lower	Upper
56	100		
55	55.5	50.3	93.3

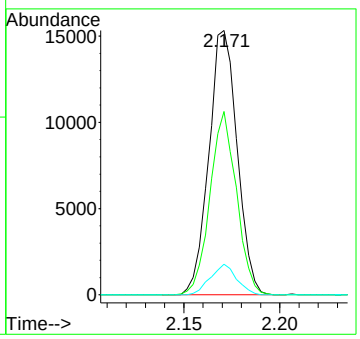


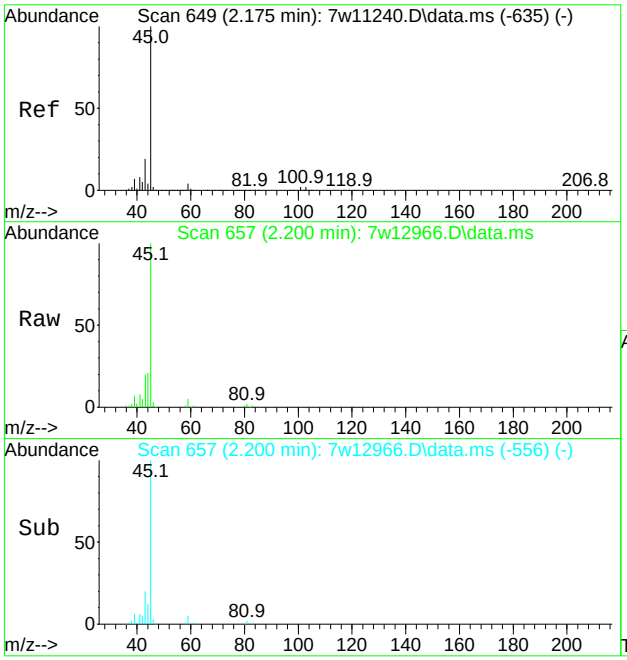


#21
TRICHLOROFLUOROMETHANE
Concen: 0.5414 PPBV
RT: 2.171 min Scan# 648
Delta R.T. 0.016 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion:101 Resp: 15718

Ion	Ratio	Lower	Upper
101	100		
103	64.8	44.9	83.5
105	10.7	7.3	13.5

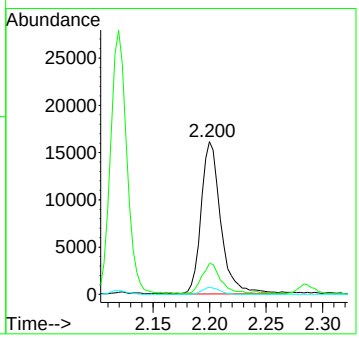


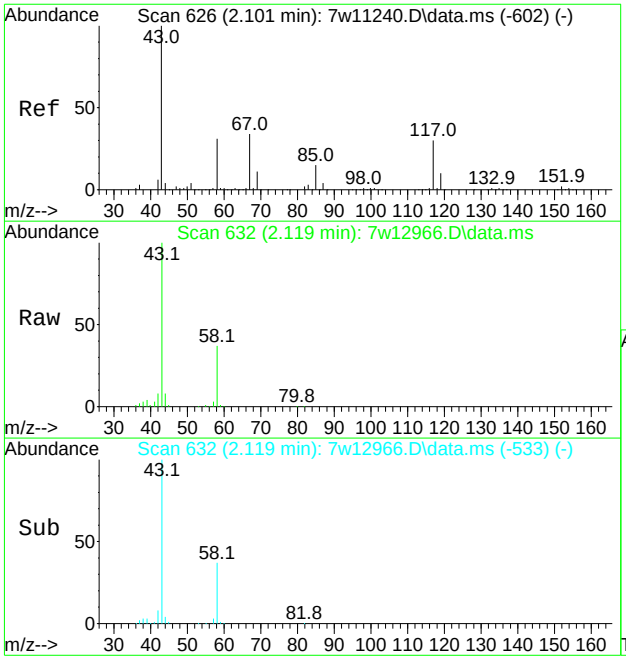


#22
ISOPROPYL ALCOHOL
Concen: 0.7944 PPBV
RT: 2.200 min Scan# 657
Delta R.T. 0.025 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 45 Resp: 19459

Ion	Ratio	Lower	Upper
45	100		
43	21.1	13.9	25.9
59	4.1	2.8	5.2

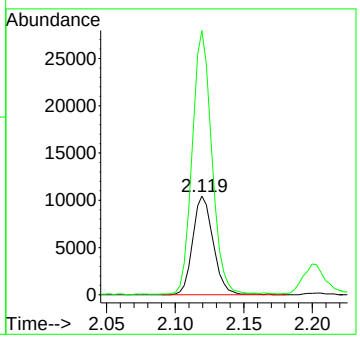


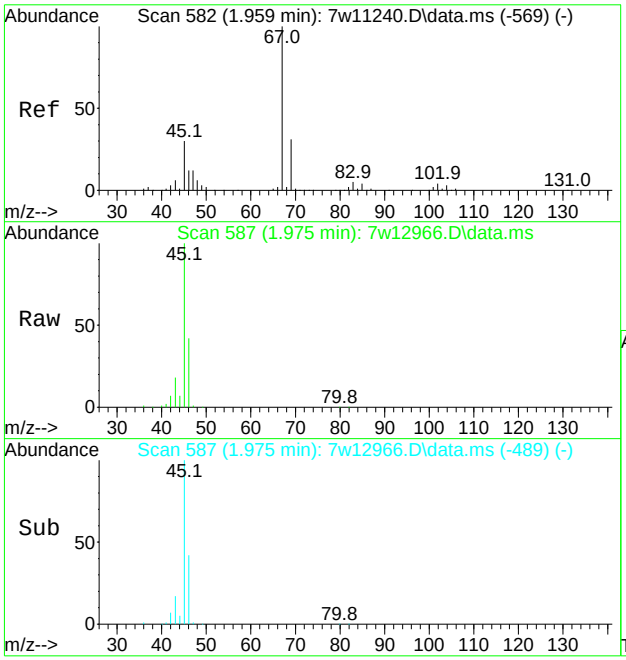


#23
ACETONE
Concen: 1.4095 PPBV
RT: 2.119 min Scan# 632
Delta R.T. 0.018 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 58 Resp: 10829

Ion	Ratio	Lower	Upper
58	100		
43	260.0	234.4	435.2

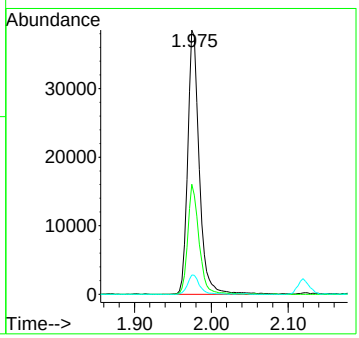


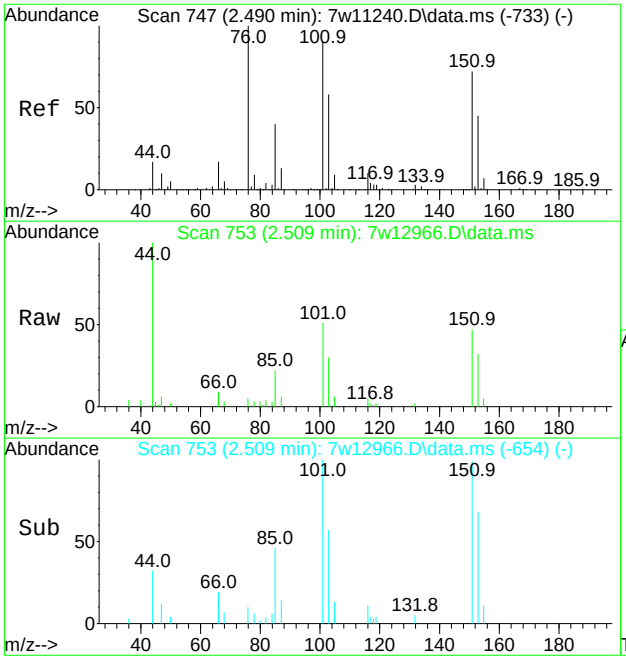


#28
ETHANOL
Concen: 6.0387 PPBV
RT: 1.975 min Scan# 587
Delta R.T. 0.016 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 45 Resp: 40495

Ion	Ratio	Lower	Upper
45	100		
46	40.5	28.6	53.0
42	7.7	6.3	11.7

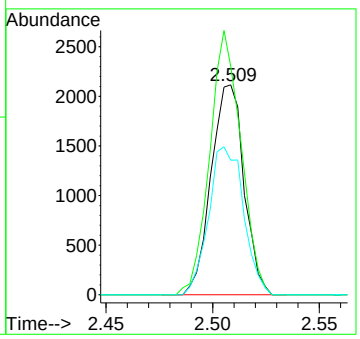


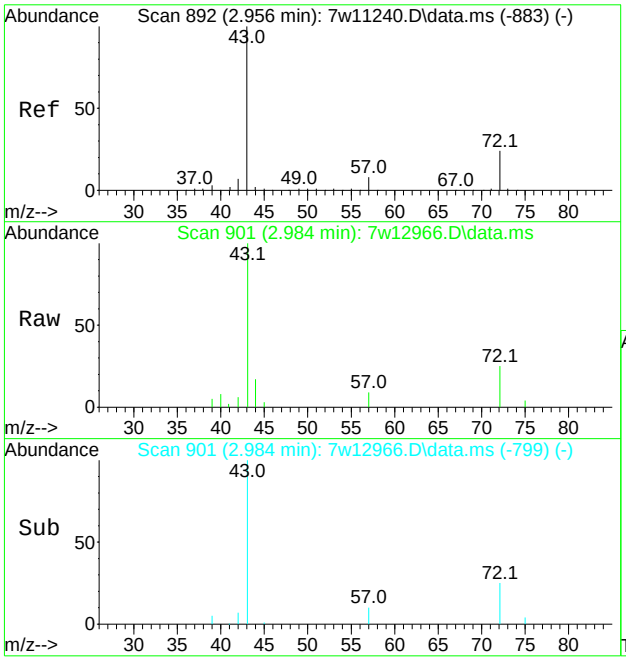


#33
FREON 113
Concen: 0.1305 PPBV
RT: 2.509 min Scan# 753
Delta R.T. 0.019 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion:151 Resp: 2265

Ion	Ratio	Lower	Upper
151	100		
101	120.1	89.3	165.9
103	74.9	57.5	106.9

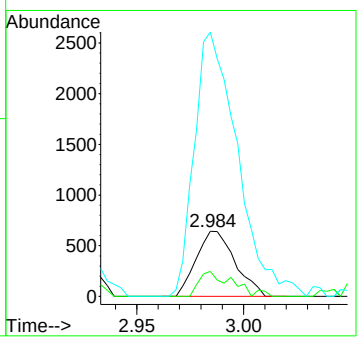


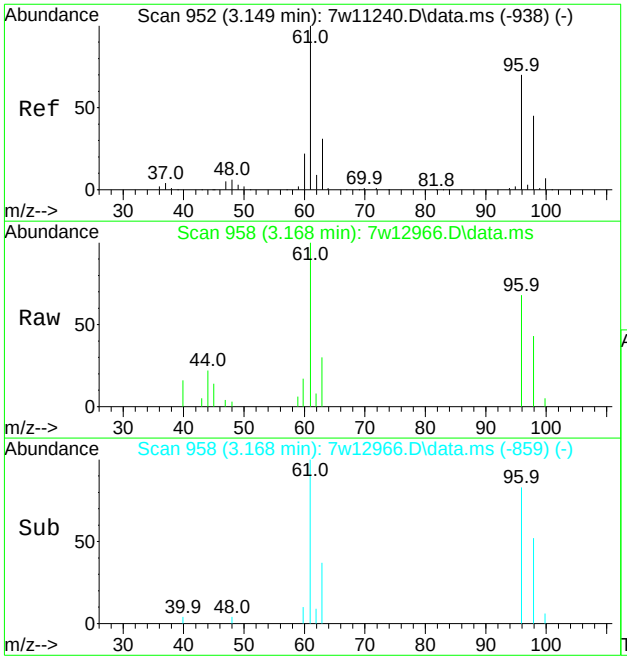


#41
METHYL ETHYL KETONE
Concen: 0.1380 PPBV
RT: 2.984 min Scan# 901
Delta R.T. 0.028 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 72 Resp: 811

Ion	Ratio	Lower	Upper
72	100		
57	33.2	25.3	46.9
43	457.0	299.6	556.4

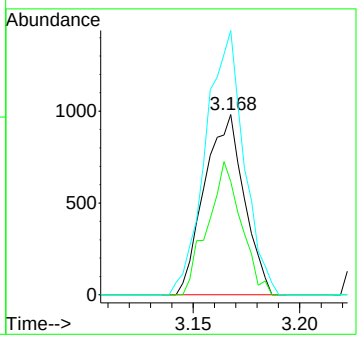


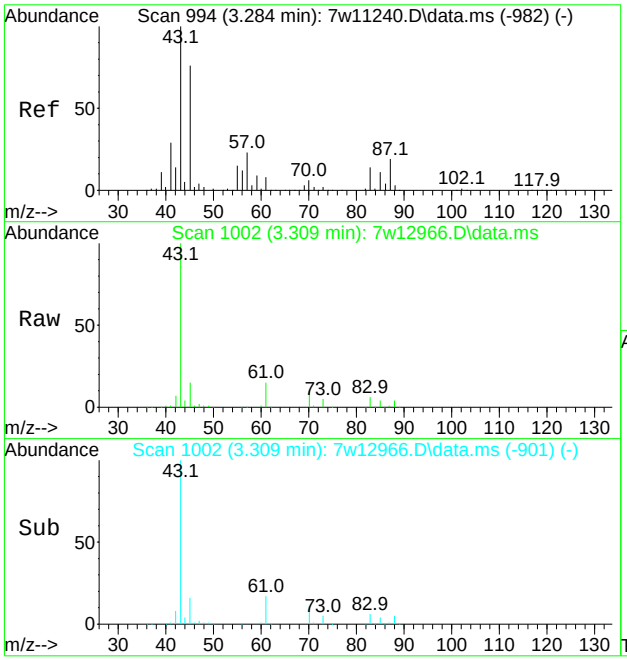


#42
CIS-1,2-DICHLOROETHENE
Concen: 0.1032 PPBV
RT: 3.168 min Scan# 958
Delta R.T. 0.019 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 96 Resp: 1269

Ion	Ratio	Lower	Upper
96	100		
98	62.6	44.8	83.2
61	141.8	100.0	185.8

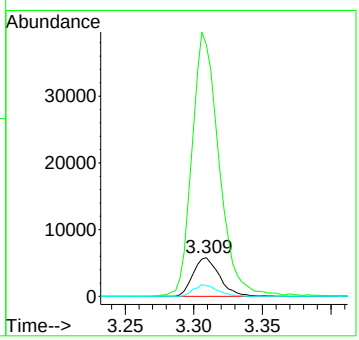


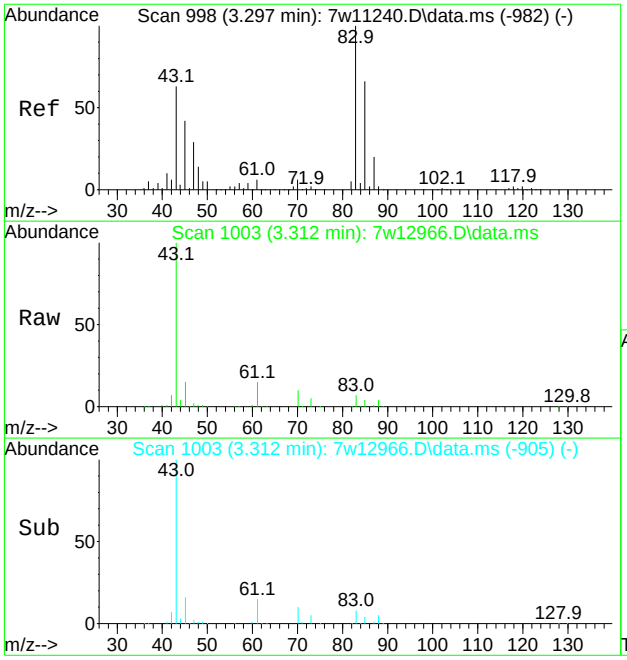


#44
ETHYL ACETATE
Concen: 1.8653 PPBV
RT: 3.309 min Scan# 1002
Delta R.T. 0.025 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 61 Resp: 7783

Ion	Ratio	Lower	Upper
61	100		
43	705.8	1005.1	1866.5#
88	27.2	29.3	54.5#

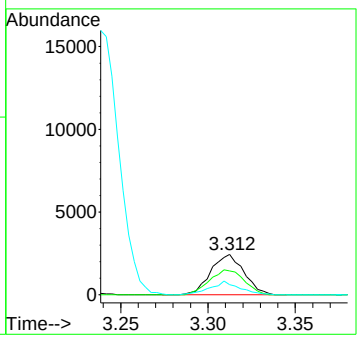


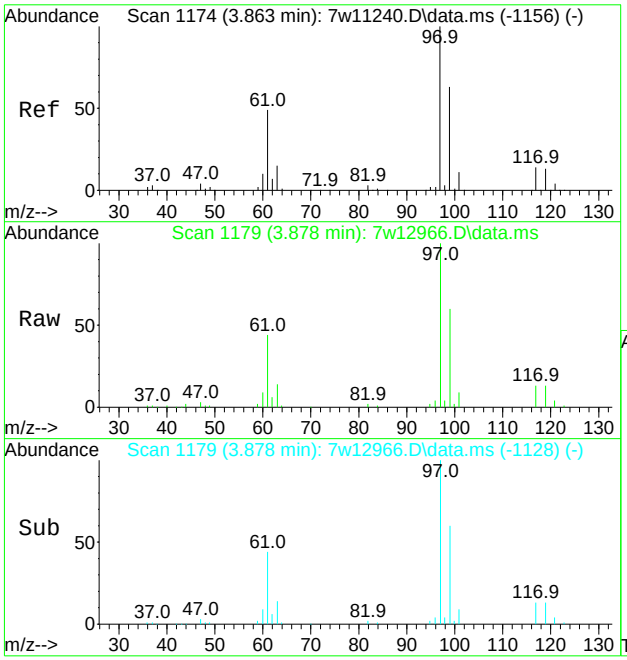


#46
CHLOROFORM
Concen: 0.1332 PPBV
RT: 3.312 min Scan# 1003
Delta R.T. 0.015 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 83 Resp: 3220

Ion	Ratio	Lower	Upper
83	100		
85	64.6	57.0	105.9
47	29.6	20.9	38.7

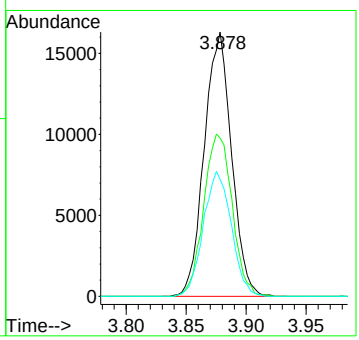


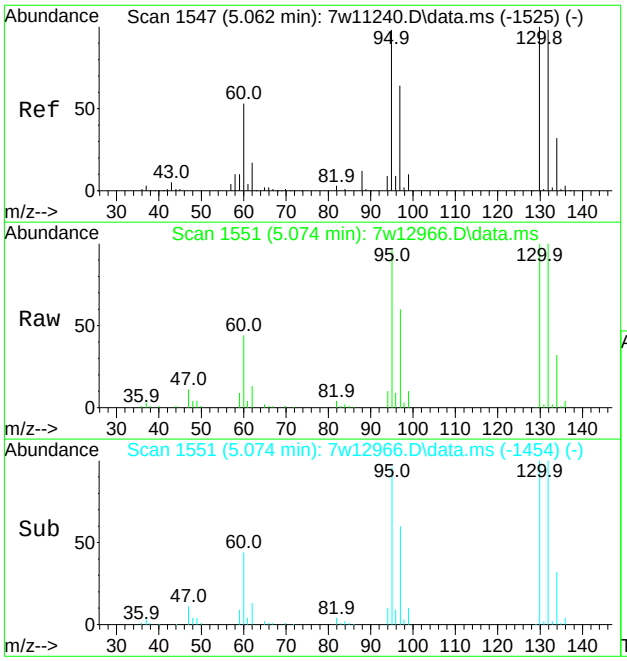


#48
1,1,1-TRICHLOROETHANE
Concen: 0.9960 PPBV
RT: 3.878 min Scan# 1179
Delta R.T. 0.015 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 97 Resp: 25815

Ion	Ratio	Lower	Upper
97	100		
99	64.0	45.1	83.9
61	48.4	34.2	63.6

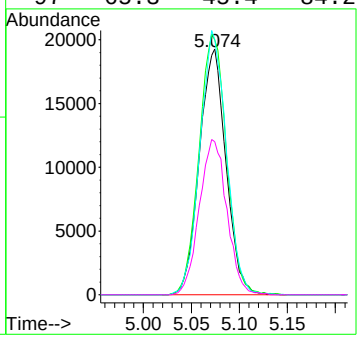




#55
TRICHLOROETHENE
Concen: 2.2587 PPBV
RT: 5.074 min Scan# 1551
Delta R.T. 0.012 min
Lab File: 7w12966.D
Acq: 24 Feb 2025 1:28 pm

Tgt Ion: 95 Resp: 37146

Ion	Ratio	Lower	Upper
95	100		
130	109.4	72.8	135.2
132	106.6	71.9	133.5
97	65.3	45.4	84.2



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/25/25 11:43

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457 hw\
Data File : 7w12967.D
Acq On : 24 Feb 2025 2:07 pm
Operator : benk
Sample : je5344-8 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 25 15:43:34 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

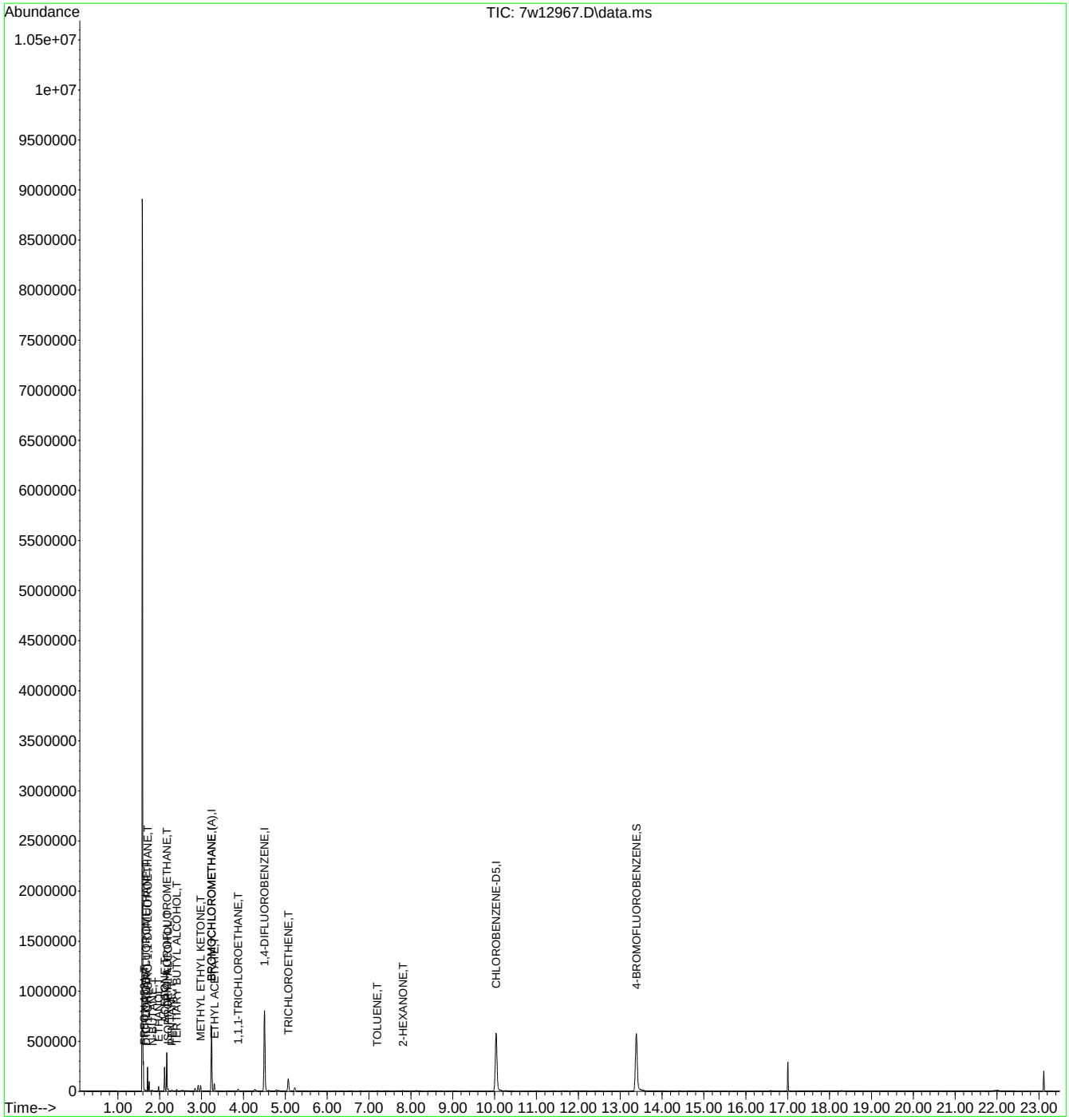
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.238	128	130629	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	4.505	114	640196	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.036	117	585599	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.238	128	130625	10.00	PPBV	0.01
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	407242m	9.58	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.631	65	2583	0.4152	PPBV	94
6) DICHLORODIFLUOROMETHANE	1.673	85	3513	0.1079	PPBV #	92
8) 1-CHLORO-1,1-DIFLUOROE...	1.711	65	98443	4.0809	PPBV	97
13) N-BUTANE	1.833	43	3372	0.1990	PPBV #	84
21) TRICHLOROFLUOROMETHANE	2.171	101	177343	6.1829	PPBV	100
22) ISOPROPYL ALCOHOL	2.197	45	14449	0.5971	PPBV	93
23) ACETONE	2.116	58	64581	8.5091	PPBV #	46
24) PENTANE	2.287	42	2097	0.1804	PPBV	94
28) ETHANOL	1.975	45	29311	4.4245	PPBV	99
35) TERTIARY BUTYL ALCOHOL	2.406	59	8695	0.3124	PPBV #	87
41) METHYL ETHYL KETONE	2.978	72	11433	1.9700	PPBV	98
44) ETHYL ACETATE	3.306	61	8976	2.1776	PPBV #	1
48) 1,1,1-TRICHLOROETHANE	3.875	97	12122	0.4734	PPBV	99
55) TRICHLOROETHENE	5.074	95	43166	2.6525	PPBV	96
66) TOLUENE	7.196	91	4989	0.1103	PPBV	99
70) 2-HEXANONE	7.807	58	2778	0.1377	PPBV #	90

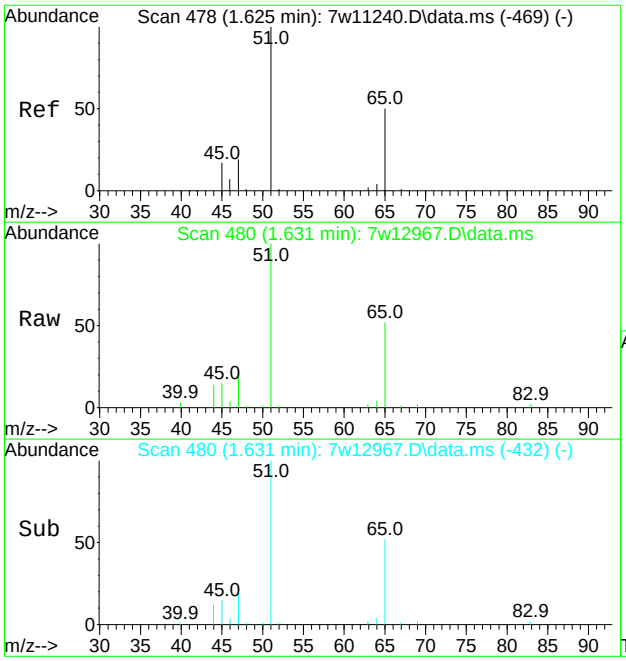
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457 hw\
Data File : 7w12967.D
Acq On : 24 Feb 2025 2:07 pm
Operator : benk
Sample : je5344-8 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 25 15:43:34 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

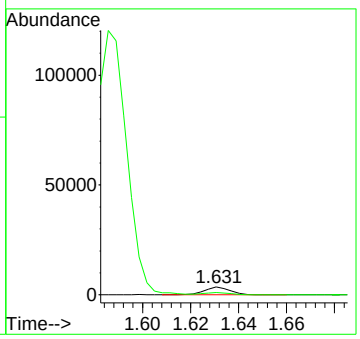


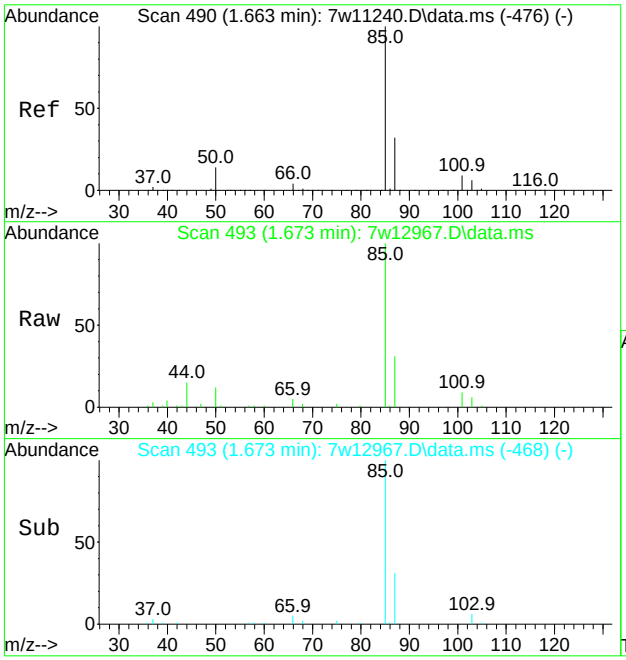


#3
FREON 152A
Concen: 0.4152 PPBV
RT: 1.631 min Scan# 480
Delta R.T. 0.006 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 65 Resp: 2583

Ion	Ratio	Lower	Upper
65	100		
45	30.0	23.5	43.7

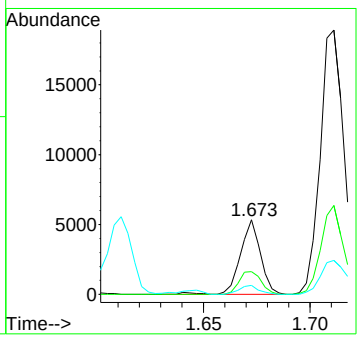


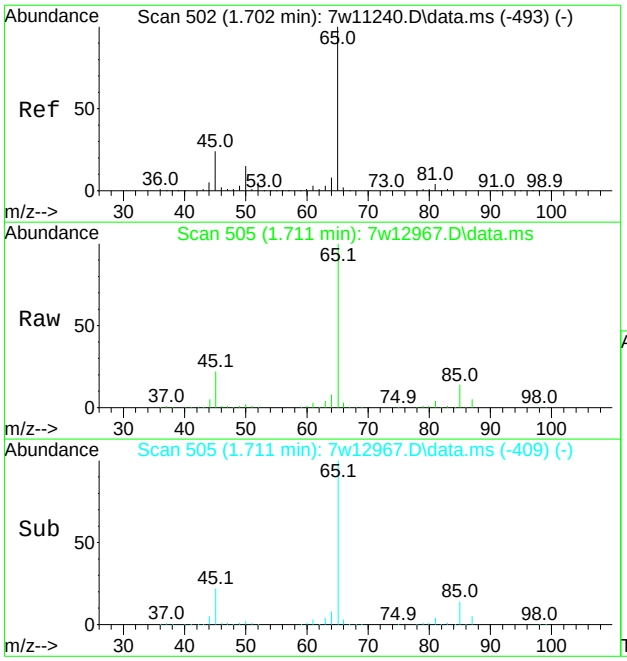


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1079 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 85 Resp: 3513

Ion	Ratio	Lower	Upper
85	100		
87	33.4	22.5	41.7
50	11.7	13.8	25.6#

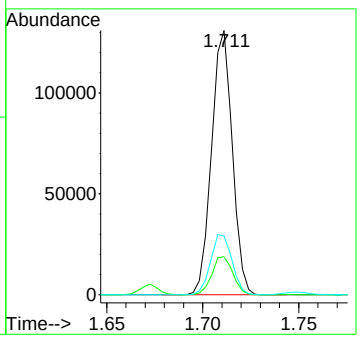


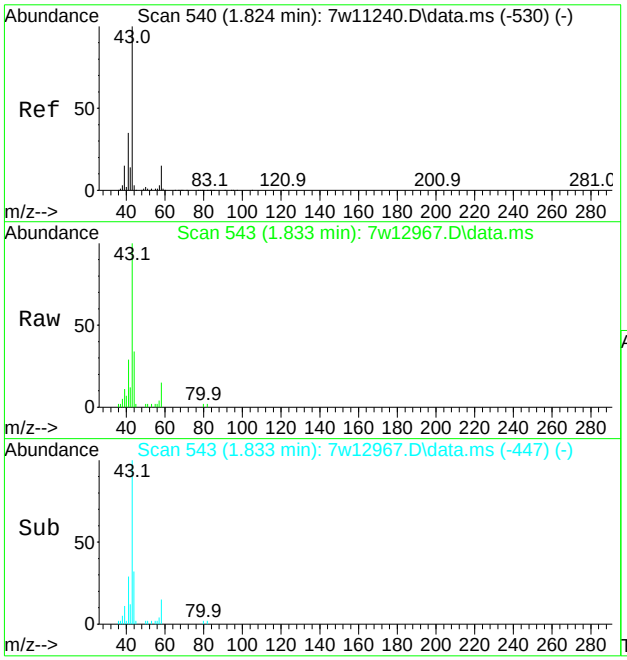


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 4.0809 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.009 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 65 Resp: 98443

Ion	Ratio	Lower	Upper
65	100		
85	14.6	8.9	16.5
45	23.6	17.1	31.7

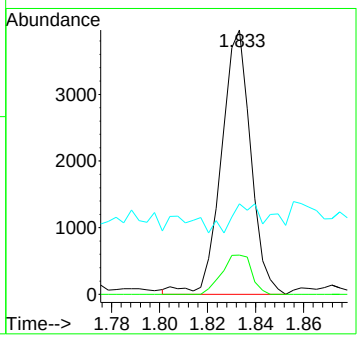


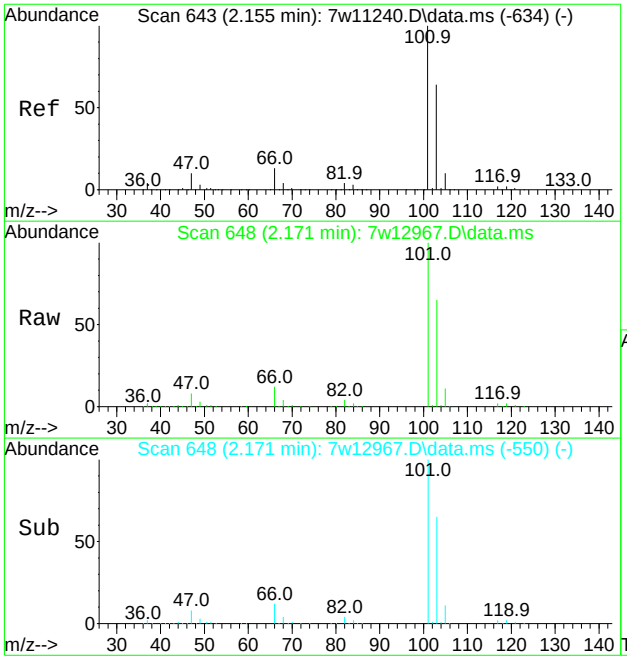


#13
N-BUTANE
Concen: 0.1990 PPBV
RT: 1.833 min Scan# 543
Delta R.T. 0.009 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 43 Resp: 3372

Ion	Ratio	Lower	Upper
43	100		
58	15.1	10.4	19.2
44	27.4	3.0	5.6#

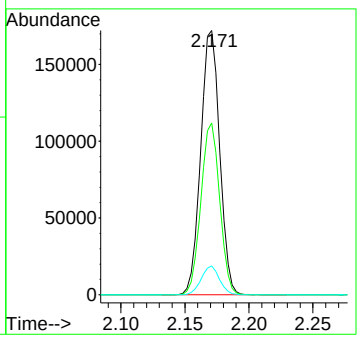


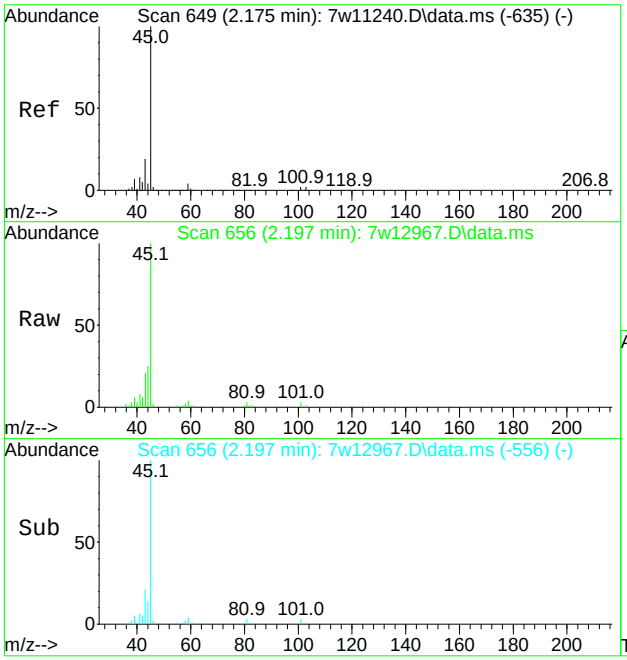


#21
TRICHLOROFLUOROMETHANE
Concen: 6.1829 PPBV
RT: 2.171 min Scan# 648
Delta R.T. 0.016 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion:101 Resp: 177343

Ion	Ratio	Lower	Upper
101	100		
103	64.3	44.9	83.5
105	10.5	7.3	13.5

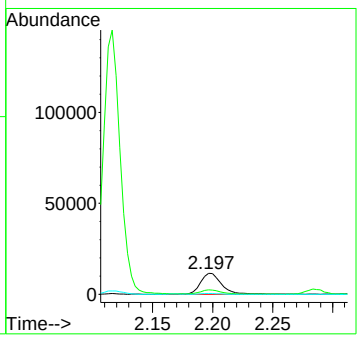


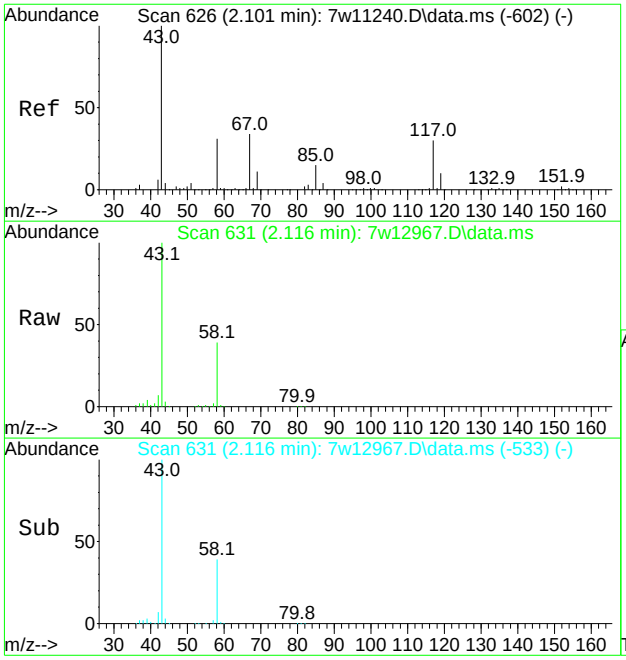


#22
ISOPROPYL ALCOHOL
Concen: 0.5971 PPBV
RT: 2.197 min Scan# 656
Delta R.T. 0.022 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 45 Resp: 14449

Ion	Ratio	Lower	Upper
45	100		
43	23.7	13.9	25.9
59	3.9	2.8	5.2

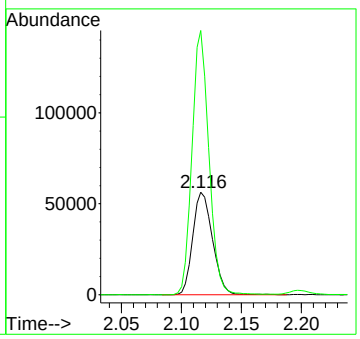


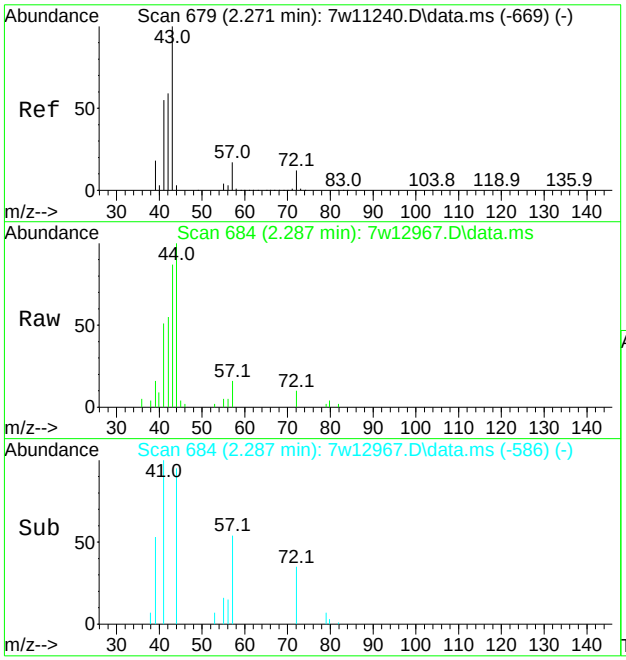


#23
ACETONE
Concen: 8.5091 PPBV
RT: 2.116 min Scan# 631
Delta R.T. 0.015 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 58 Resp: 64581

Ion	Ratio	Lower	Upper
58	100		
43	220.8	234.4	435.2#

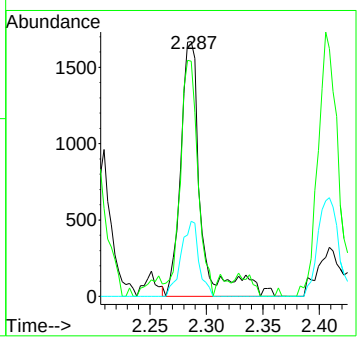


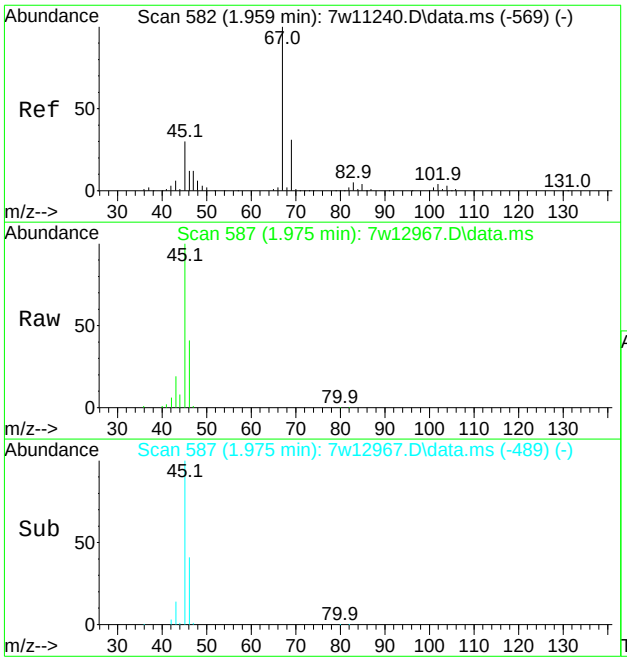


#24
PENTANE
Concen: 0.1804 PPBV
RT: 2.287 min Scan# 684
Delta R.T. 0.016 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 42 Resp: 2097

Ion	Ratio	Lower	Upper
42	100		
41	86.1	64.8	120.3
57	25.7	19.7	36.7

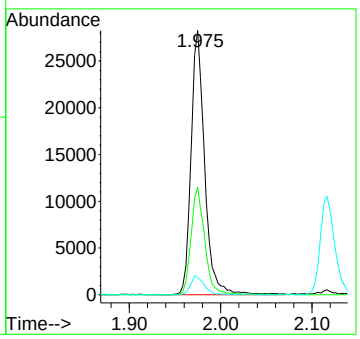


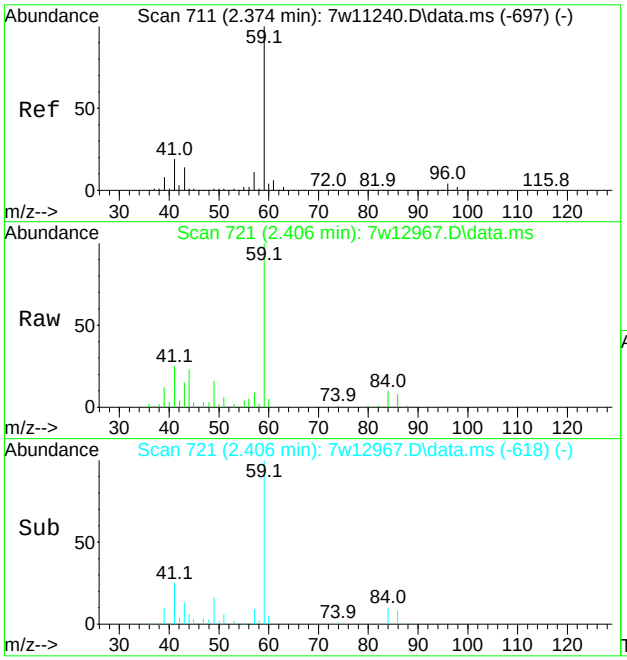


#28
ETHANOL
Concen: 4.4245 PPBV
RT: 1.975 min Scan# 587
Delta R.T. 0.016 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 45 Resp: 29311

Ion	Ratio	Lower	Upper
45	100		
46	40.9	28.6	53.0
42	7.1	6.3	11.7

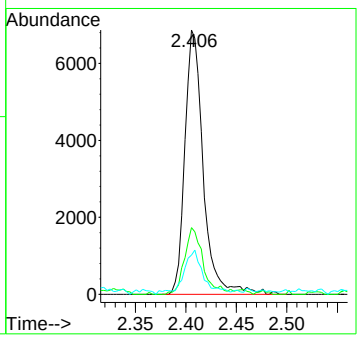


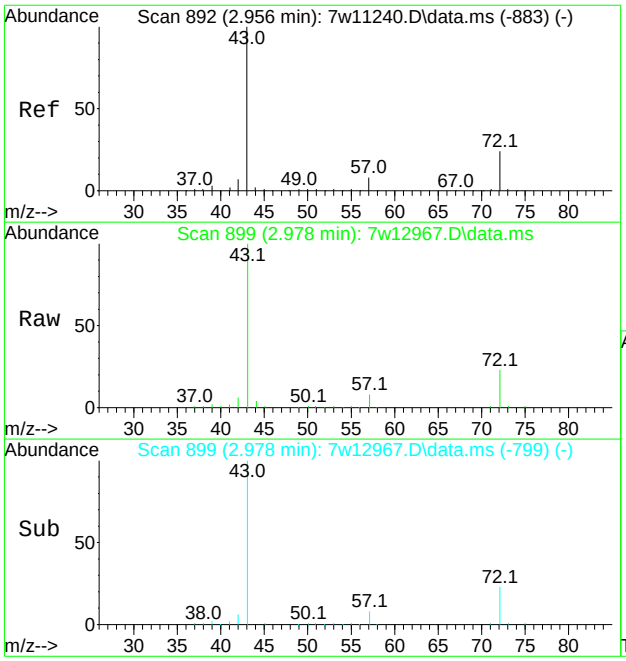


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.3124 PPBV
RT: 2.406 min Scan# 721
Delta R.T. 0.032 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 59 Resp: 8695

Ion	Ratio	Lower	Upper
59	100		
41	26.8	14.3	26.5#
43	18.7	9.9	18.5#

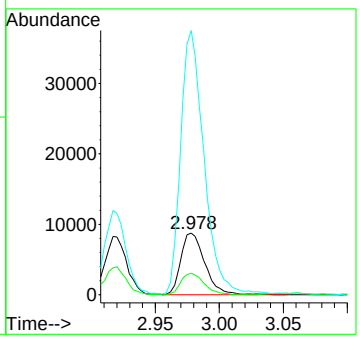


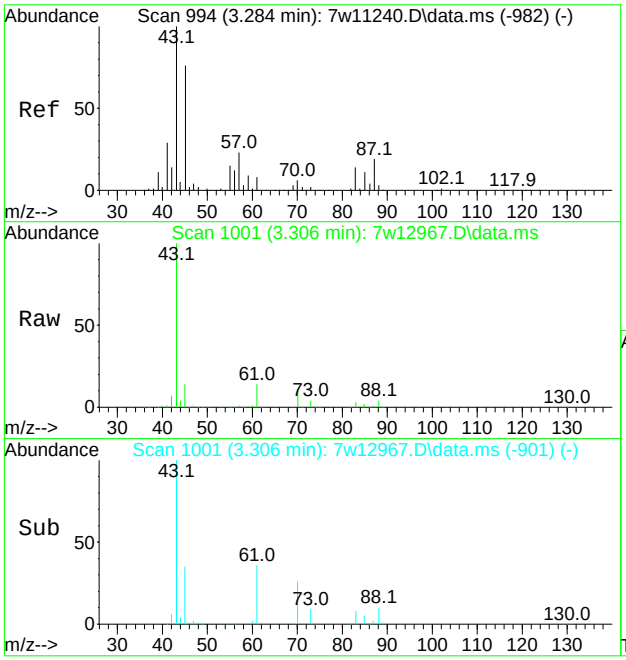


#41
METHYL ETHYL KETONE
Concen: 1.9700 PPBV
RT: 2.978 min Scan# 899
Delta R.T. 0.022 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 72 Resp: 11433

Ion	Ratio	Lower	Upper
72	100		
57	34.5	25.3	46.9
43	424.2	299.6	556.4

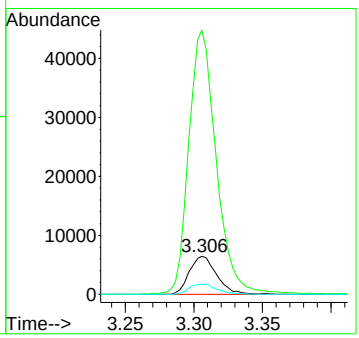


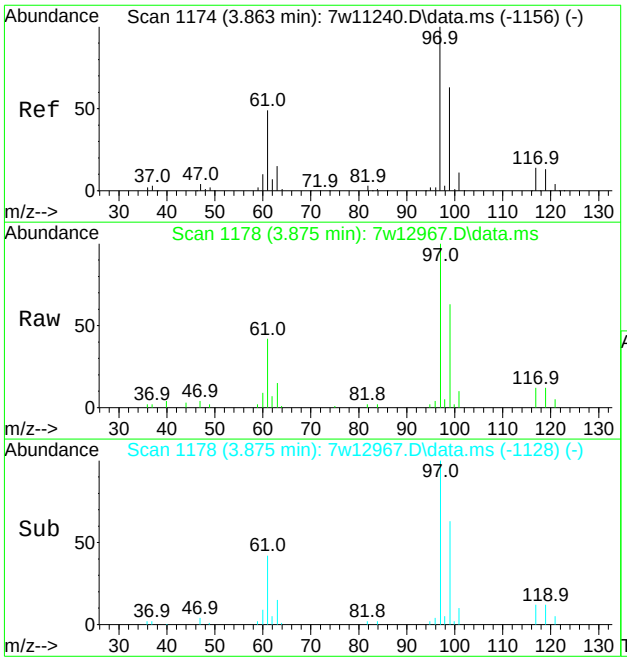


#44
ETHYL ACETATE
Concen: 2.1776 PPBV
RT: 3.306 min Scan# 1001
Delta R.T. 0.022 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 61 Resp: 8976

Ion	Ratio	Lower	Upper
61	100		
43	702.0	1005.1	1866.5#
88	27.7	29.3	54.5#

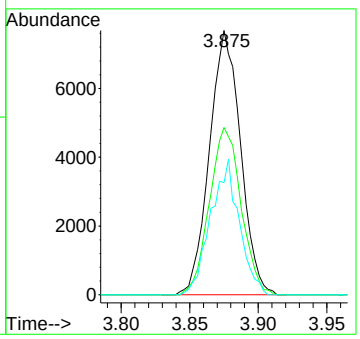


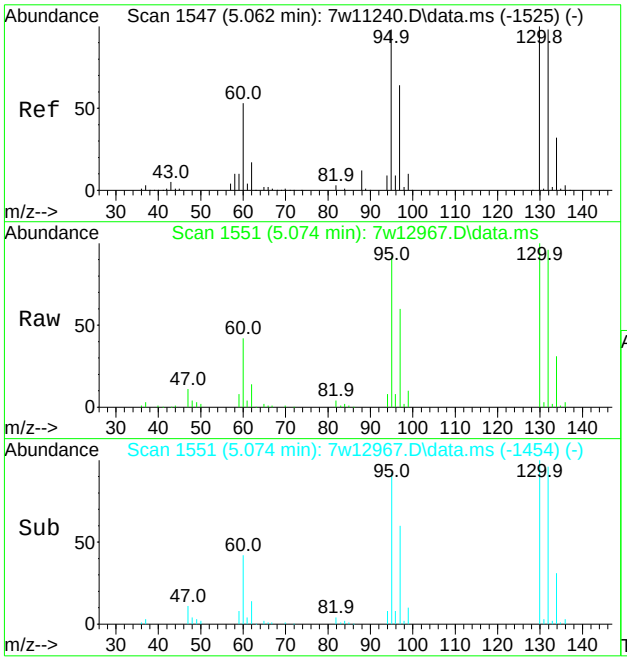


#48
1,1,1-TRICHLOROETHANE
Concen: 0.4734 PPBV
RT: 3.875 min Scan# 1178
Delta R.T. 0.012 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 97 Resp: 12122

Ion	Ratio	Lower	Upper
97	100		
99	64.4	45.1	83.9
61	46.9	34.2	63.6

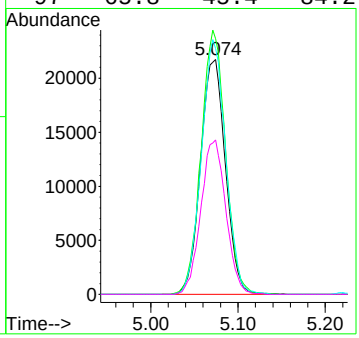


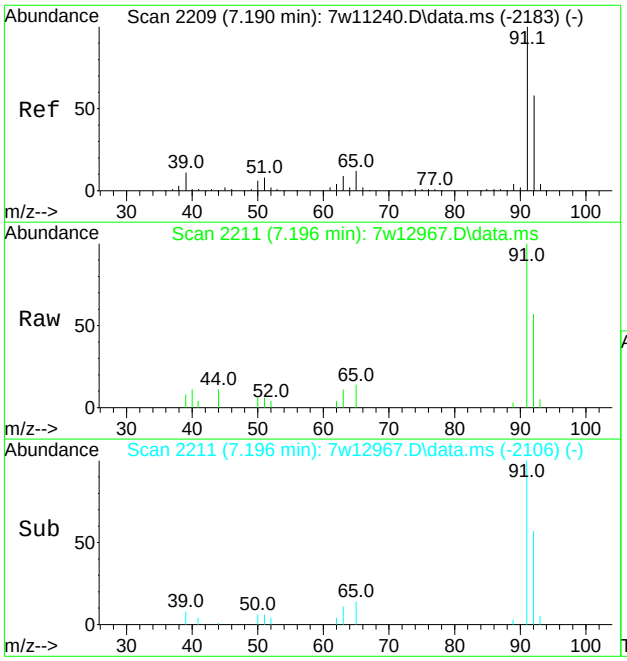


#55
TRICHLOROETHENE
Concen: 2.6525 PPBV
RT: 5.074 min Scan# 1551
Delta R.T. 0.012 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 95 Resp: 43166

Ion	Ratio	Lower	Upper
95	100		
130	110.5	72.8	135.2
132	105.7	71.9	133.5
97	65.8	45.4	84.2

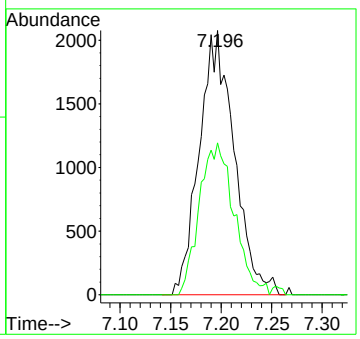


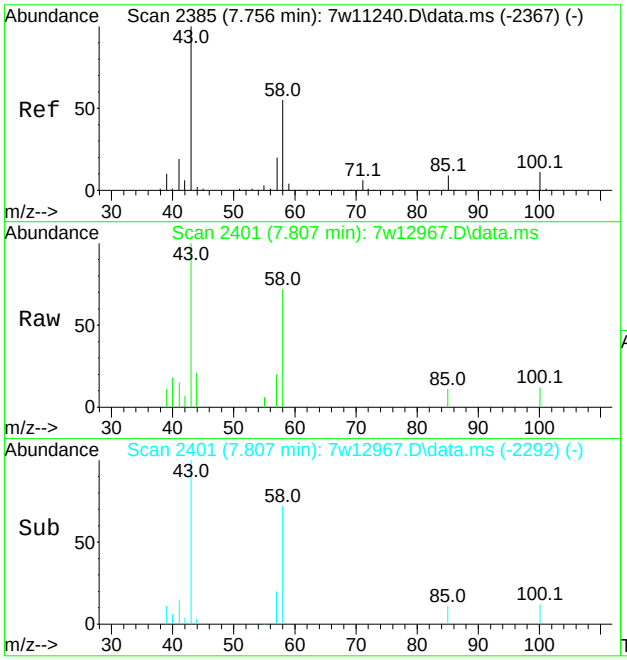


#66
TOLUENE
Concen: 0.1103 PPBV
RT: 7.196 min Scan# 2211
Delta R.T. 0.006 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 91 Resp: 4989

Ion	Ratio	Lower	Upper
91	100		
92	58.0	29.0	89.0

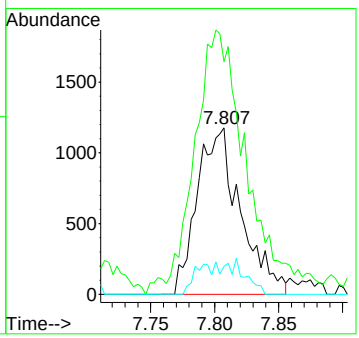




#70
2-HEXANONE
Concen: 0.1377 PPBV
RT: 7.807 min Scan# 2401
Delta R.T. 0.051 min
Lab File: 7w12967.D
Acq: 24 Feb 2025 2:07 pm

Tgt Ion: 58 Resp: 2778

Ion	Ratio	Lower	Upper
58	100		
43	195.8	128.2	238.2
100	12.3	15.0	28.0#



Manual Integration Approval Summary

Sample Number: JE5344-8
Lab FileID: 7W12967.D
Injection Time: 02/24/25 14:07

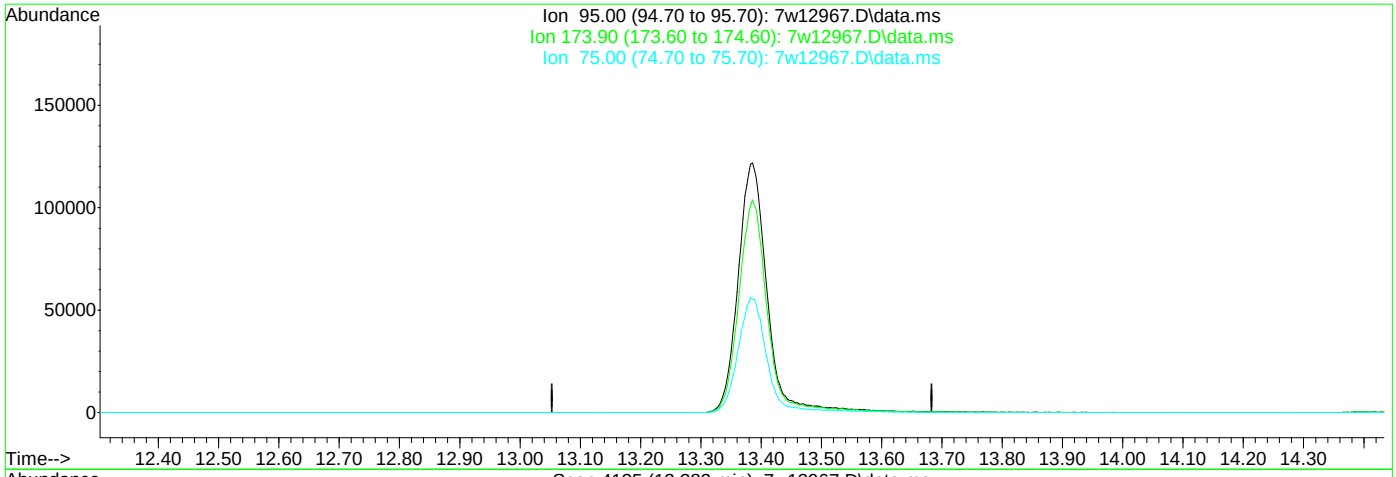
Method: TO-15
Analyst approved: 02/25/25 10:47 Claire Basilio
Supervisor approved: 02/25/25 11:43 Kanya Veerawat

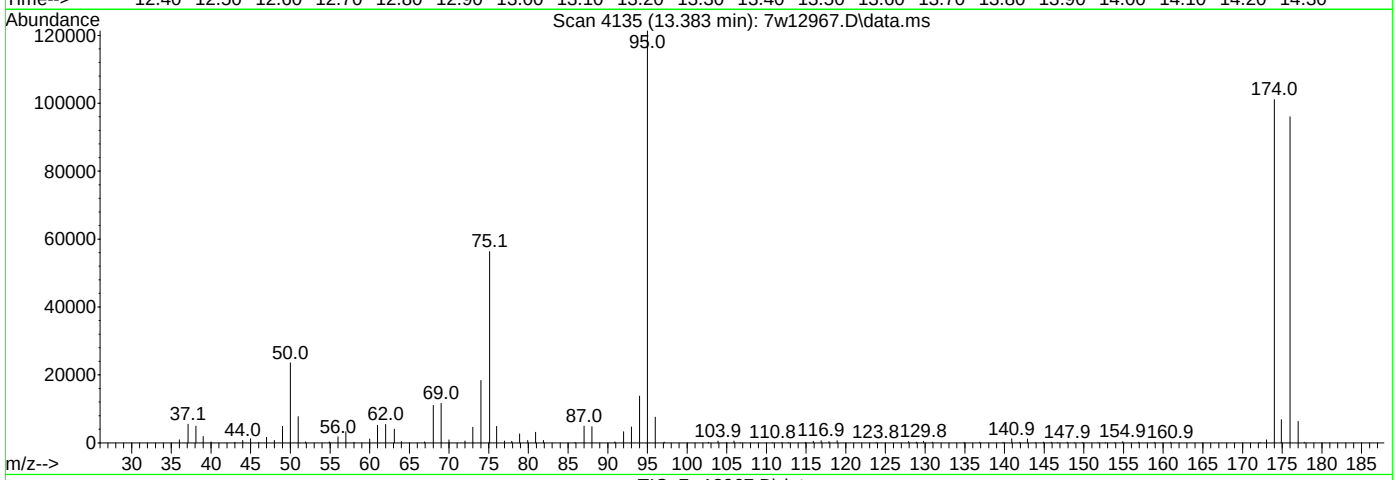
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Bromofluorobenzene	460-00-4		13.39	Missed peak

Quantitation Report (Qedit)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457 hw\
Data File : 7w12967.D
Acq On : 24 Feb 2025 2:07 pm
Operator : benk
Sample : je5344-8 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 25 02:06:11 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration





TIC: 7w12967.D\data.ms

(87) 4-BROMOFLUOROBENZENE (S)

13.383min (-13.383) 0.00PPBV

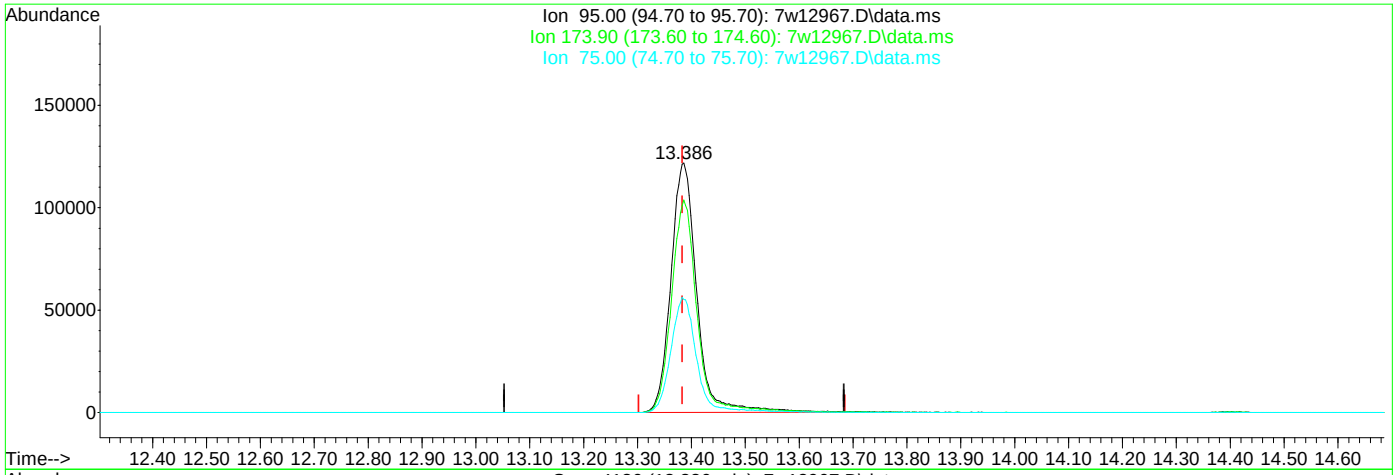
response 0

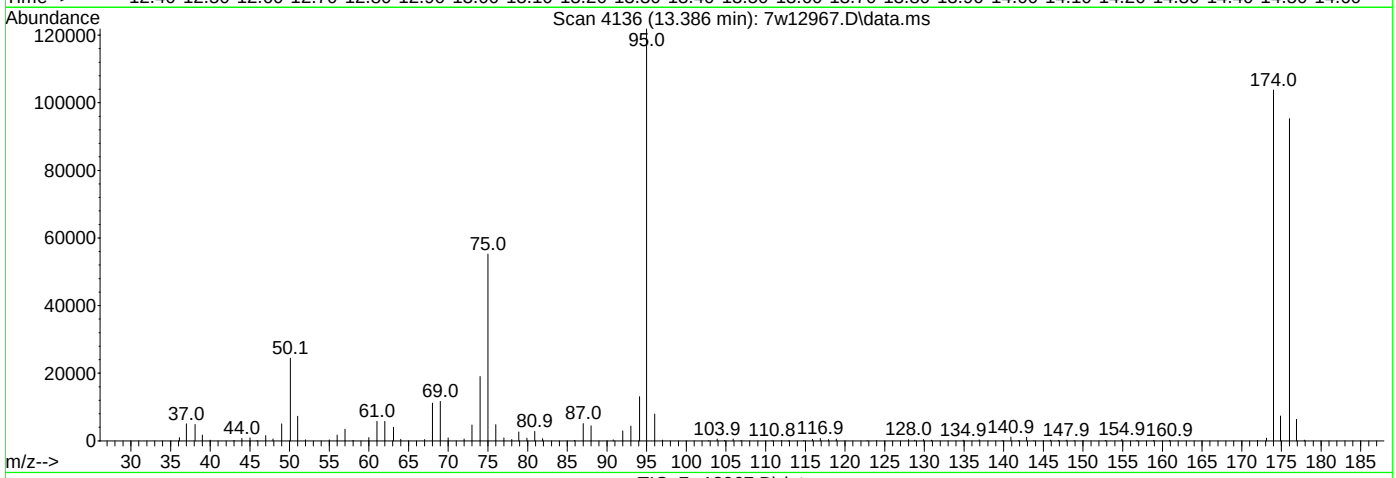
Ion	Exp%	Act%
95.00	100	0.00
173.90	75.80	0.00#
75.00	50.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457 hw\
Data File : 7w12967.D
Acq On : 24 Feb 2025 2:07 pm
Operator : benk
Sample : je5344-8 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 25 02:06:11 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration





TIC: 7w12967.D\data.ms

(87) 4-BROMOFLUOROBENZENE (S)

13.386min (+0.003) 9.58PPBV m

response 407242

Ion	Exp%	Act%
95.00	100	100
173.90	75.80	0.00#
75.00	50.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457 hw\
Data File : 7w12968.D
Acq On : 24 Feb 2025 2:45 pm
Operator : benk
Sample : je5344-9 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 25 15:44:16 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

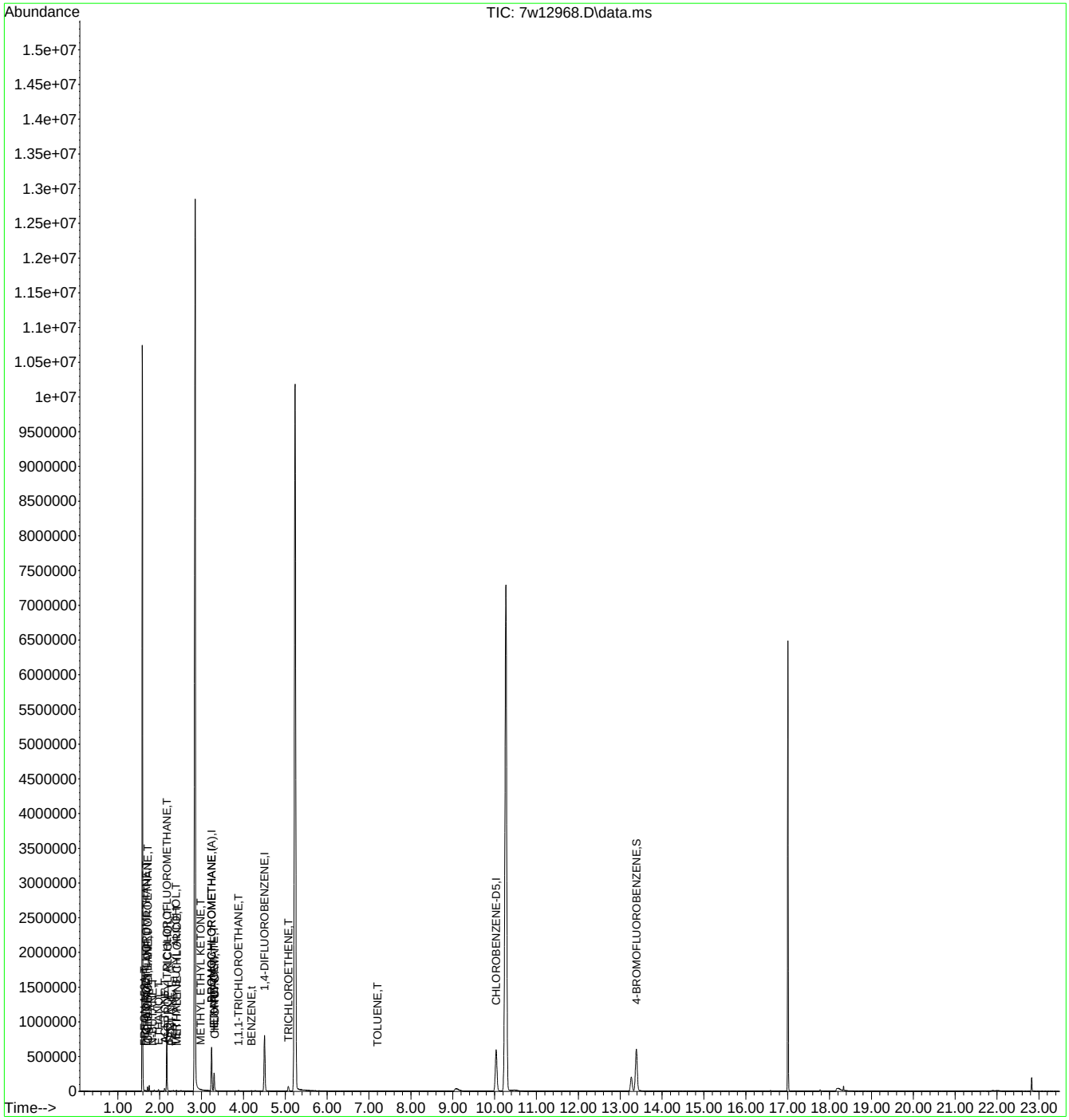
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.238	128	126346	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	4.505	114	629296	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.039	117	575535	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.238	128	126358	10.00	PPBV	0.01
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	405532	9.71	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.631	65	2924	0.4860	PPBV	98
6) DICHLORODIFLUOROMETHANE	1.673	85	3468	0.1101	PPBV #	94
8) 1-CHLORO-1,1-DIFLUOROE...	1.711	65	24105	1.0331	PPBV #	87
10) CHLOROMETHANE	1.714	52	393	0.1202	PPBV	60
13) N-BUTANE	1.833	43	3379	0.2062	PPBV #	92
21) TRICHLOROFLUOROMETHANE	2.171	101	443449	15.9844	PPBV	100
22) ISOPROPYL ALCOHOL	2.187	45	12474	0.5329	PPBV #	94
23) ACETONE	2.116	58	9034	1.2307	PPBV	75
24) PENTANE	2.283	42	2275	0.2023	PPBV	97
28) ETHANOL	1.972	45	14946	2.3326	PPBV	97
31) METHYLENE CHLORIDE	2.412	84	2829	0.2829	PPBV	91
35) TERTIARY BUTYL ALCOHOL	2.386	59	3018	0.1121	PPBV #	63
38) HEXANE	3.293	57	3765	0.1809	PPBV	97
41) METHYL ETHYL KETONE	2.978	72	877	0.1562	PPBV #	50
44) ETHYL ACETATE	3.299	61	29656	7.4385	PPBV #	1
46) CHLOROFORM	3.312	83	3516	0.1523	PPBV #	80
48) 1,1,1-TRICHLOROETHANE	3.878	97	2928	0.1182	PPBV	90
51) BENZENE	4.187	78	3321	0.0984	PPBV	98
55) TRICHLOROETHENE	5.071	95	23791	1.4873	PPBV	98
66) TOLUENE	7.203	91	5112	0.1150	PPBV	98

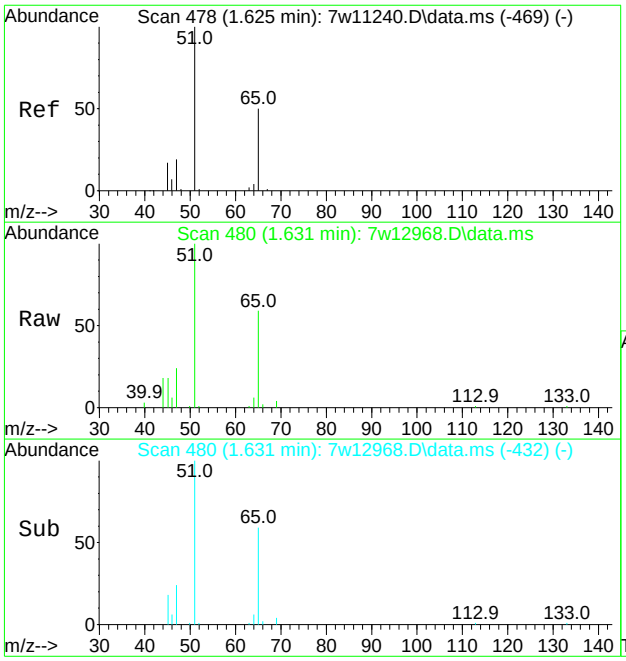
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457 hw\
Data File : 7w12968.D
Acq On : 24 Feb 2025 2:45 pm
Operator : benk
Sample : je5344-9 Inst : MS7W
Misc : MS89540,v7w457,100,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 25 15:44:16 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

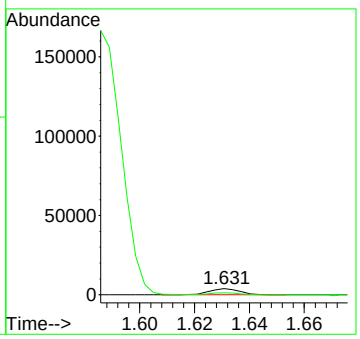


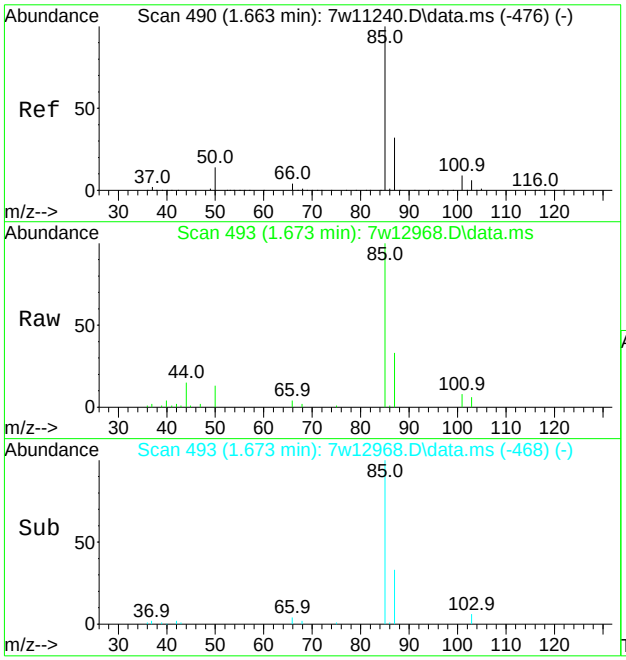


#3
FREON 152A
Concen: 0.4860 PPBV
RT: 1.631 min Scan# 480
Delta R.T. 0.006 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 65 Resp: 2924

Ion	Ratio	Lower	Upper
65	100		
45	34.9	23.5	43.7

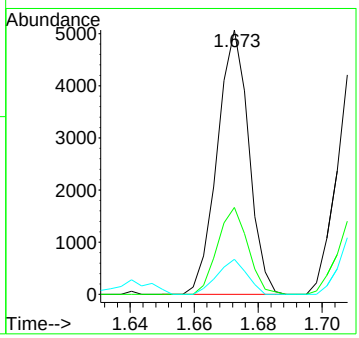


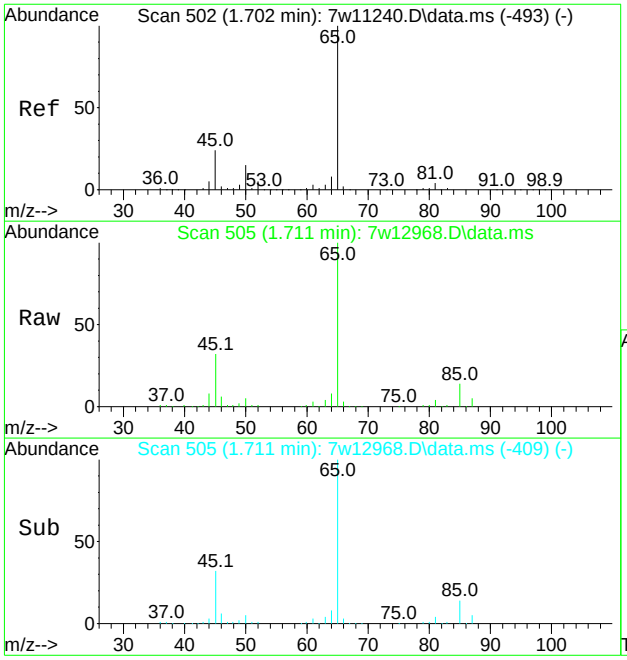


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1101 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 85 Resp: 3468

Ion	Ratio	Lower	Upper
85	100		
87	31.7	22.5	41.7
50	12.4	13.8	25.6#

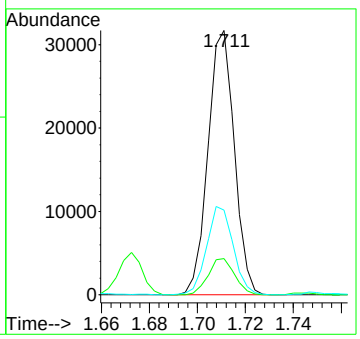


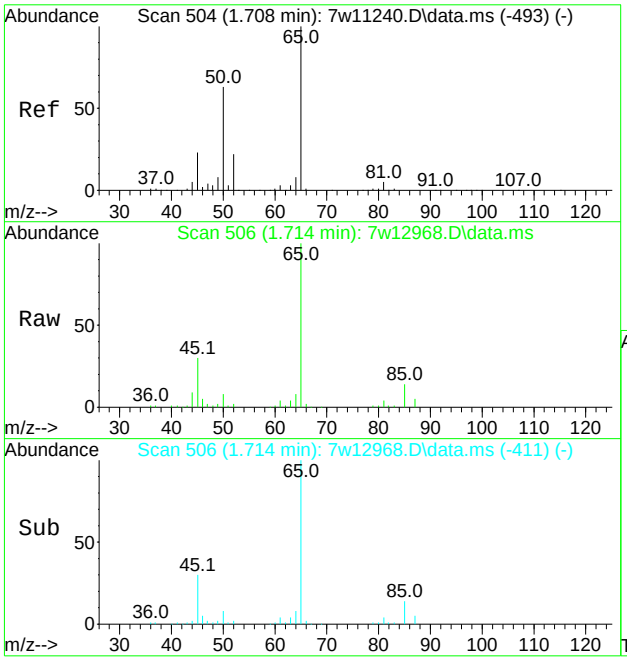


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 1.0331 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.009 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 65 Resp: 24105

Ion	Ratio	Lower	Upper
65	100		
85	13.8	8.9	16.5
45	33.8	17.1	31.7#

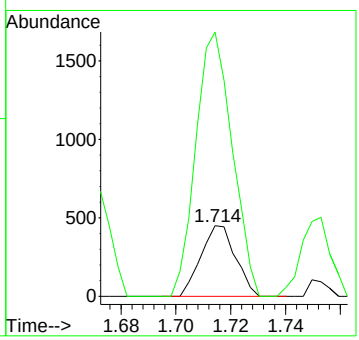


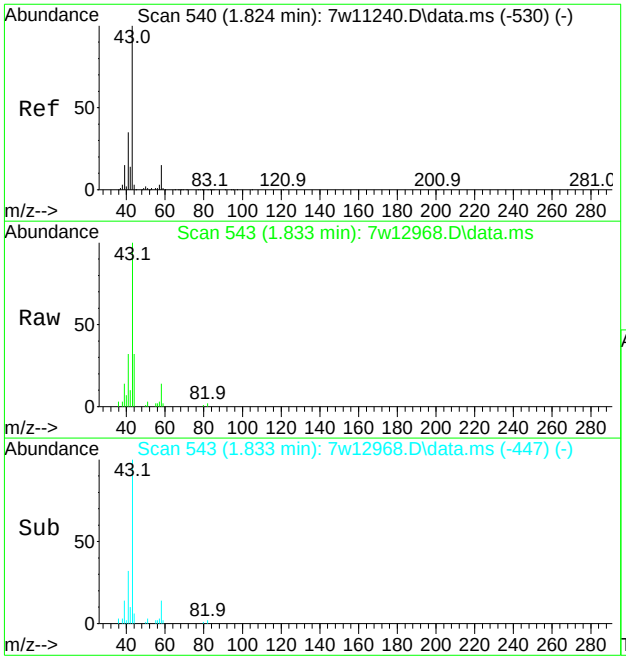


#10
CHLOROMETHANE
Concen: 0.1202 PPBV
RT: 1.714 min Scan# 506
Delta R.T. 0.006 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 52 Resp: 393

Ion	Ratio	Lower	Upper
52	100		
50	394.7	220.1	408.8

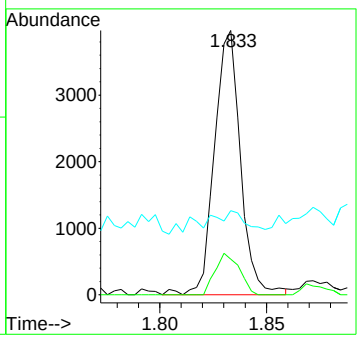


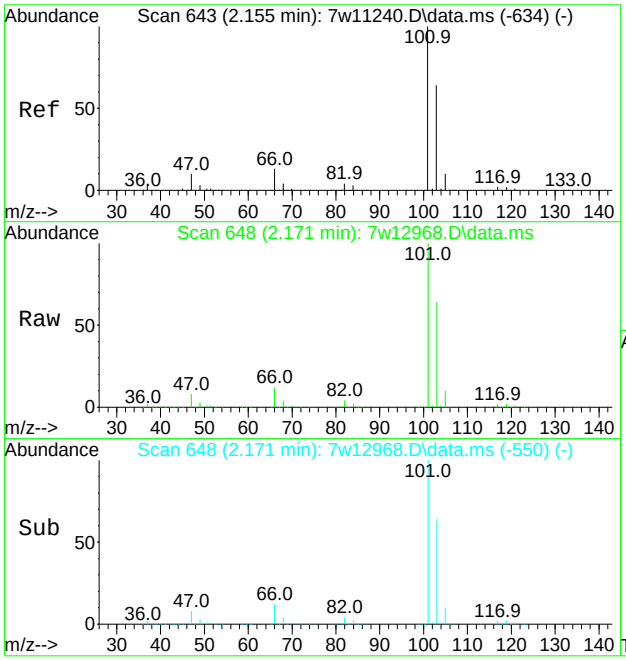


#13
N-BUTANE
Concen: 0.2062 PPBV
RT: 1.833 min Scan# 543
Delta R.T. 0.009 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 43 Resp: 3379

Ion	Ratio	Lower	Upper
43	100		
58	14.6	10.4	19.2
44	15.0	3.0	5.6#

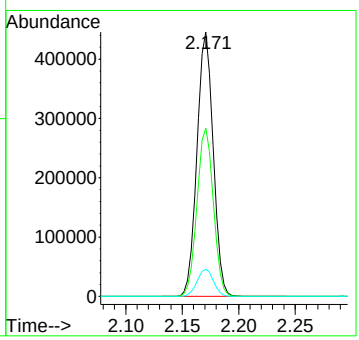


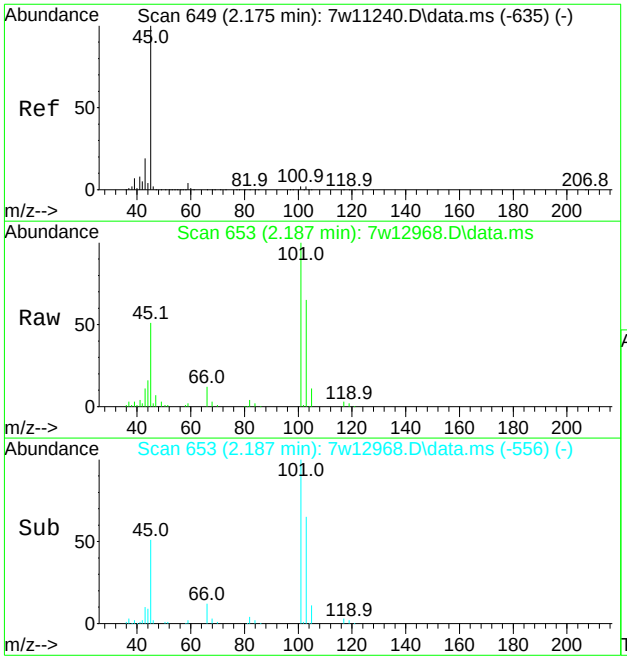


#21
TRICHLOROFLUOROMETHANE
Concen: 15.9844 PPBV
RT: 2.171 min Scan# 648
Delta R.T. 0.016 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion:101 Resp: 443449

Ion	Ratio	Lower	Upper
101	100		
103	64.2	44.9	83.5
105	10.4	7.3	13.5

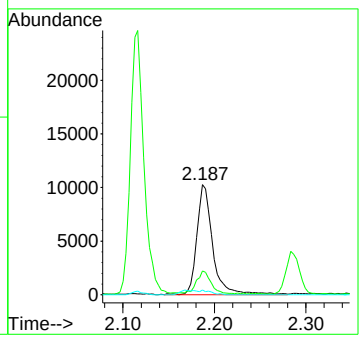


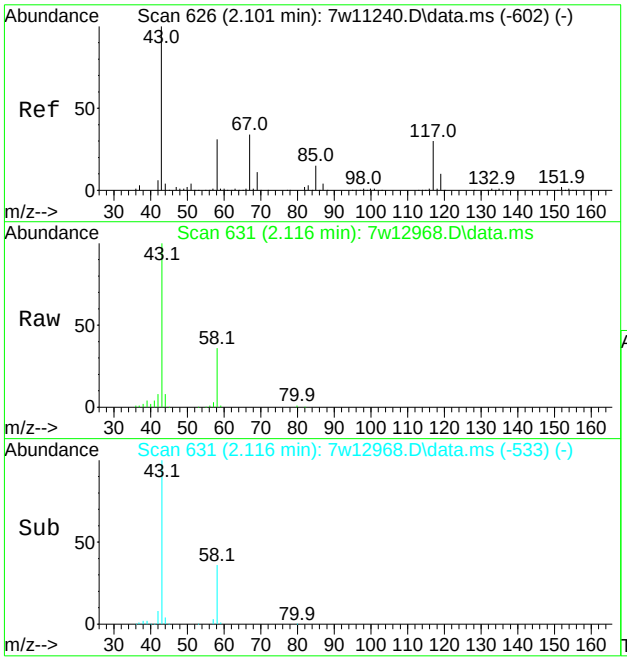


#22
ISOPROPYL ALCOHOL
Concen: 0.5329 PPBV
RT: 2.187 min Scan# 653
Delta R.T. 0.012 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 45 Resp: 12474

Ion	Ratio	Lower	Upper
45	100		
43	22.5	13.9	25.9
59	7.1	2.8	5.2#

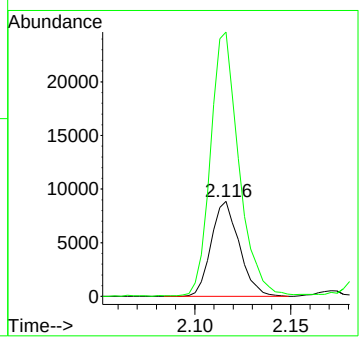


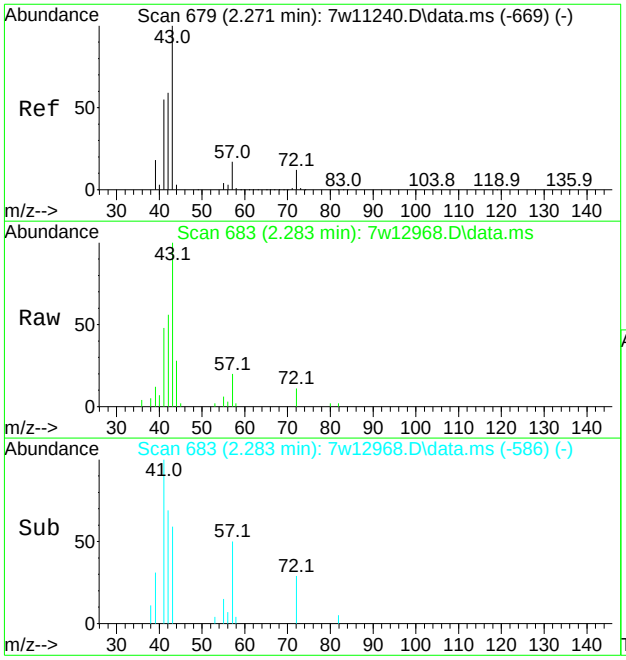


#23
ACETONE
Concen: 1.2307 PPBV
RT: 2.116 min Scan# 631
Delta R.T. 0.015 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 58 Resp: 9034

Ion	Ratio	Lower	Upper
58	100		
43	282.9	234.4	435.2

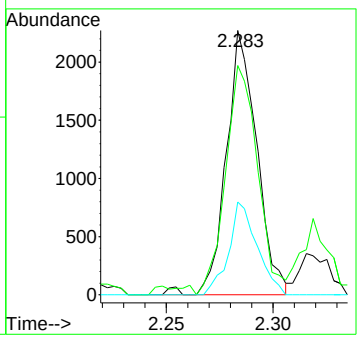


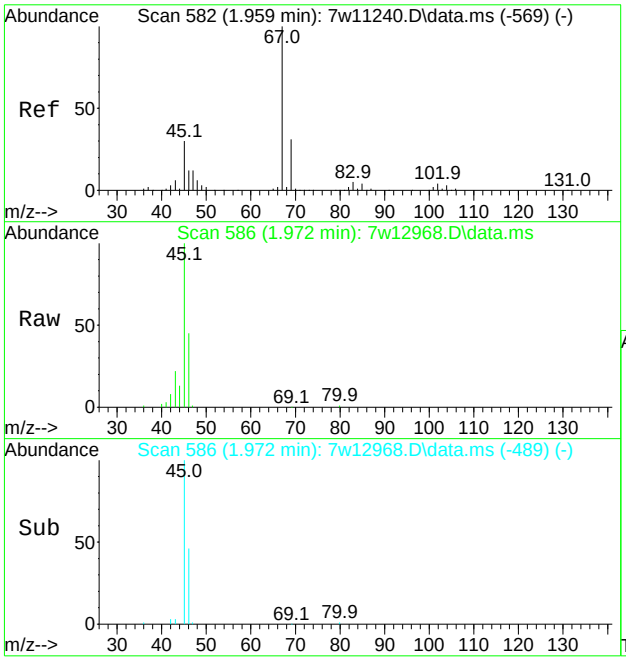


#24
PENTANE
Concen: 0.2023 PPBV
RT: 2.283 min Scan# 683
Delta R.T. 0.012 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 42 Resp: 2275

Ion	Ratio	Lower	Upper
42	100		
41	94.1	64.8	120.3
57	32.5	19.7	36.7

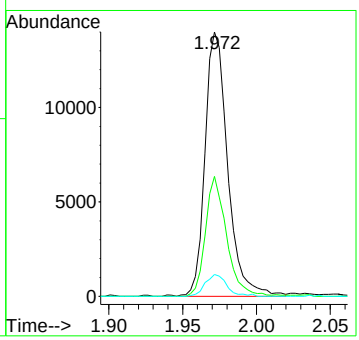


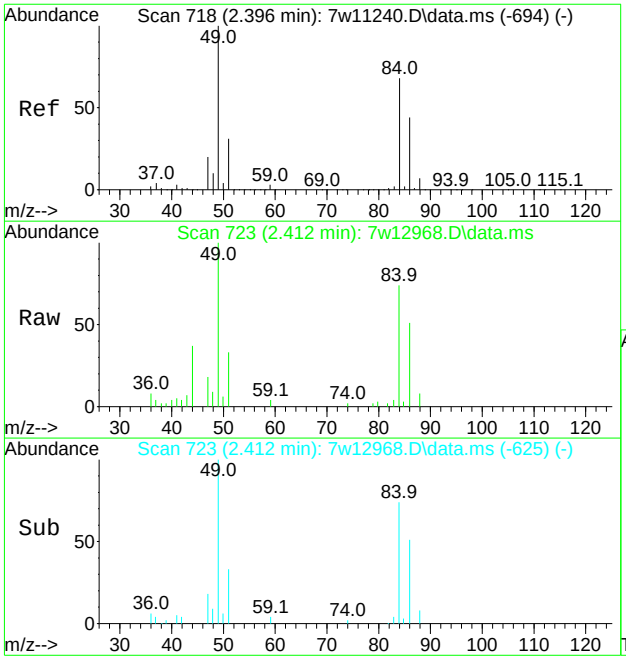


#28
ETHANOL
Concen: 2.3326 PPBV
RT: 1.972 min Scan# 586
Delta R.T. 0.013 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 45 Resp: 14946

Ion	Ratio	Lower	Upper
45	100		
46	42.7	28.6	53.0
42	8.0	6.3	11.7

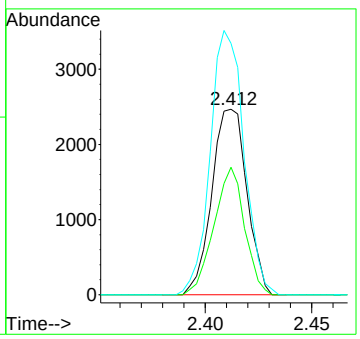


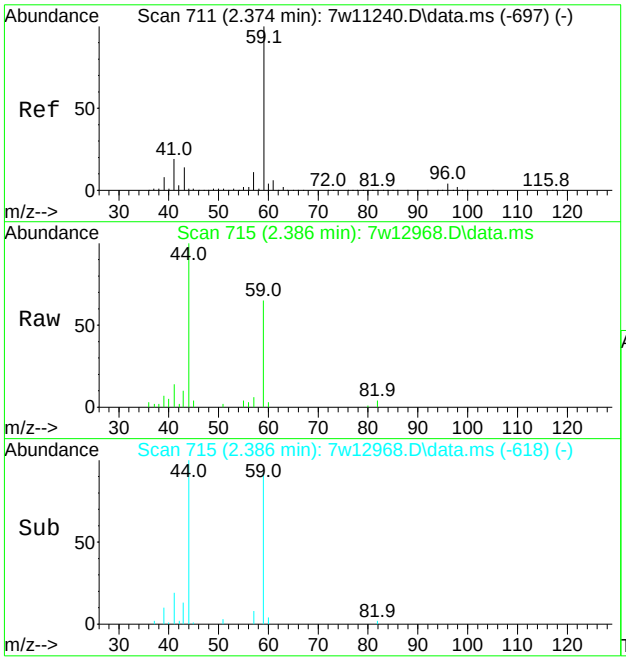


#31
METHYLENE CHLORIDE
Concen: 0.2829 PPBV
RT: 2.412 min Scan# 723
Delta R.T. 0.016 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 84 Resp: 2829

Ion	Ratio	Lower	Upper
84	100		
86	59.9	46.0	85.4
49	136.6	103.9	192.9

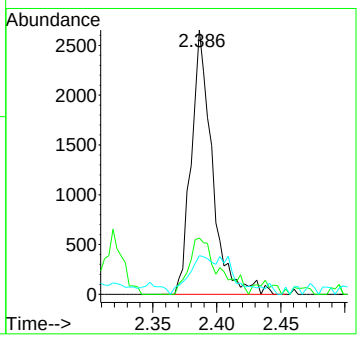


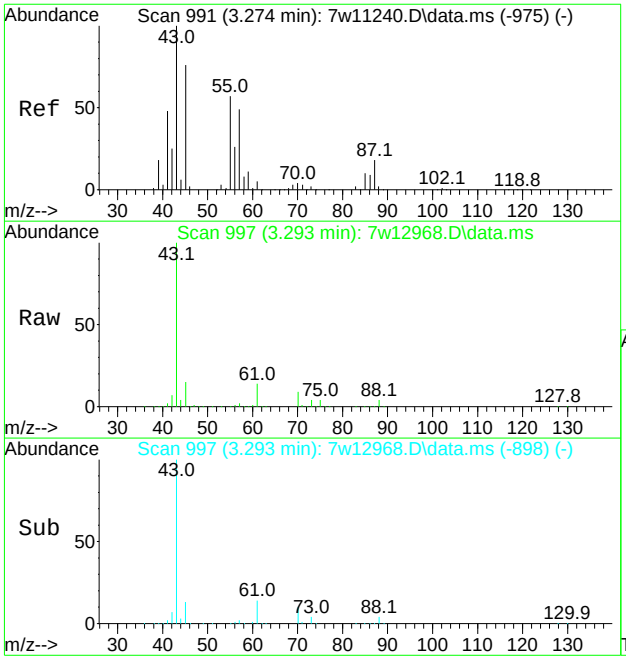


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1121 PPBV
RT: 2.386 min Scan# 715
Delta R.T. 0.012 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 59 Resp: 3018

Ion	Ratio	Lower	Upper
59	100		
41	36.4	14.3	26.5#
43	31.0	9.9	18.5#

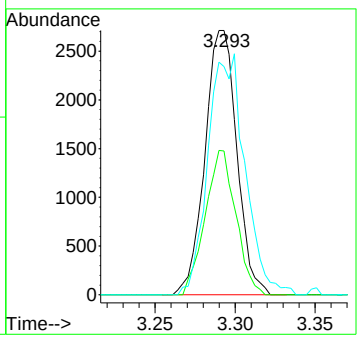


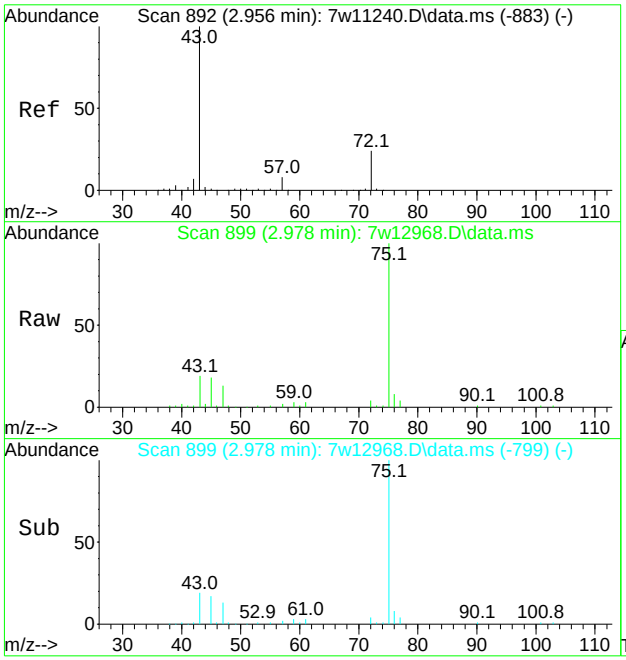


#38
HEXANE
Concen: 0.1809 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.019 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 57 Resp: 3765

Ion	Ratio	Lower	Upper
57	100		
56	52.3	37.8	70.2
41	105.5	75.9	140.9

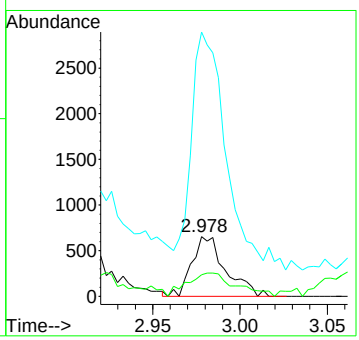


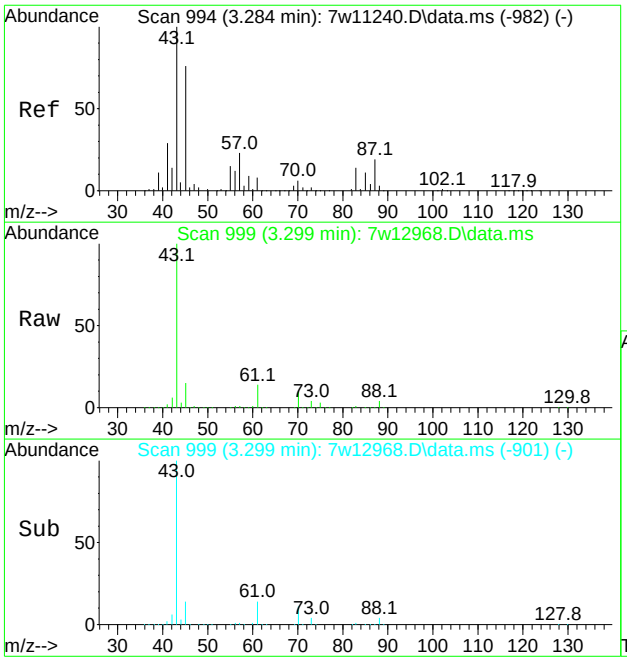


#41
METHYL ETHYL KETONE
Concen: 0.1562 PPBV
RT: 2.978 min Scan# 899
Delta R.T. 0.022 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 72 Resp: 877

Ion	Ratio	Lower	Upper
72	100		
57	63.5	25.3	46.9#
43	553.2	299.6	556.4

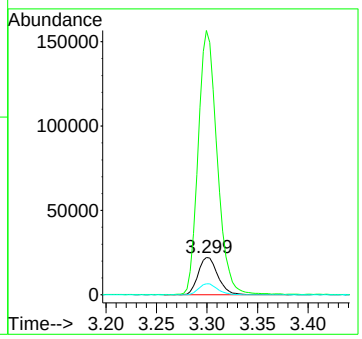


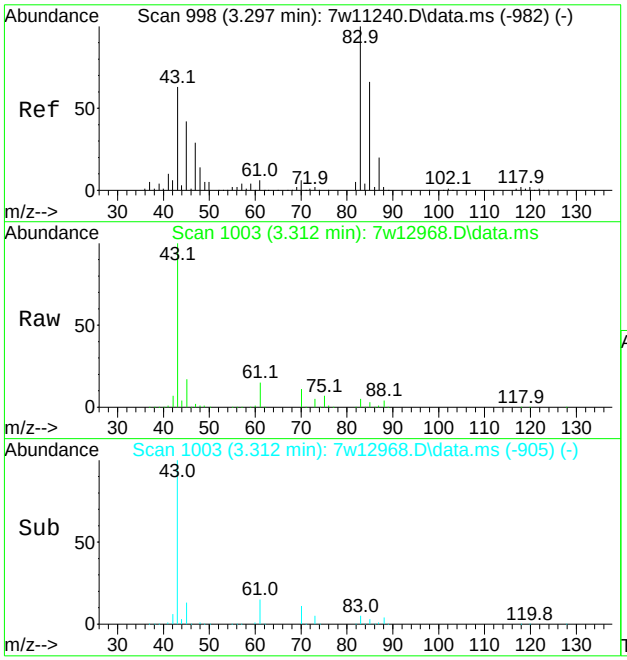


#44
ETHYL ACETATE
Concen: 7.4385 PPBV
RT: 3.299 min Scan# 999
Delta R.T. 0.015 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 61 Resp: 29656

Ion	Ratio	Lower	Upper
61	100		
43	689.5	1005.1	1866.5#
88	28.7	29.3	54.5#

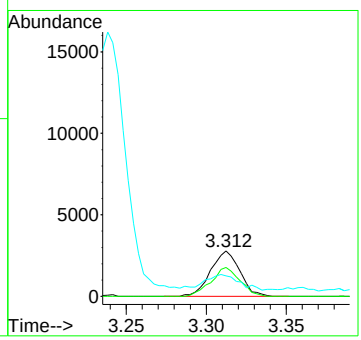


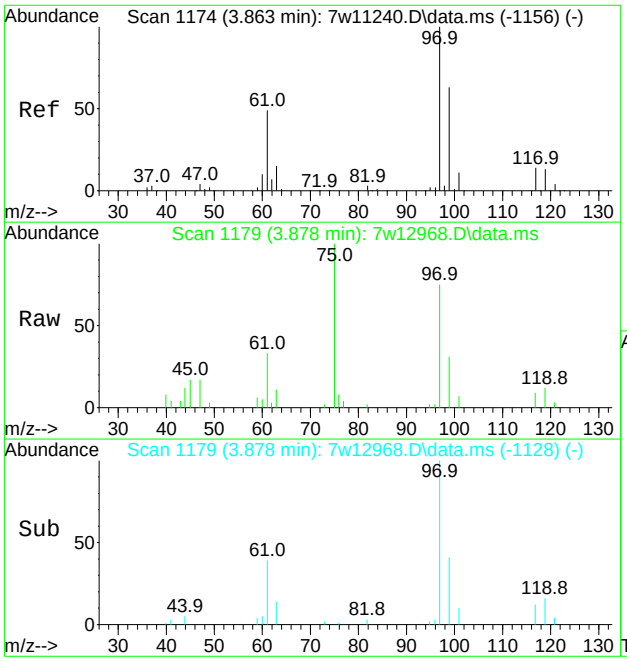


#46
CHLOROFORM
Concen: 0.1523 PPBV
RT: 3.312 min Scan# 1003
Delta R.T. 0.015 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 83 Resp: 3516

Ion	Ratio	Lower	Upper
83	100		
85	63.4	57.0	105.9
47	39.2	20.9	38.7#

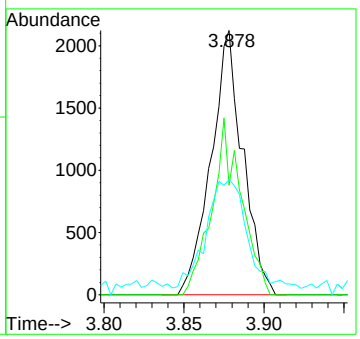


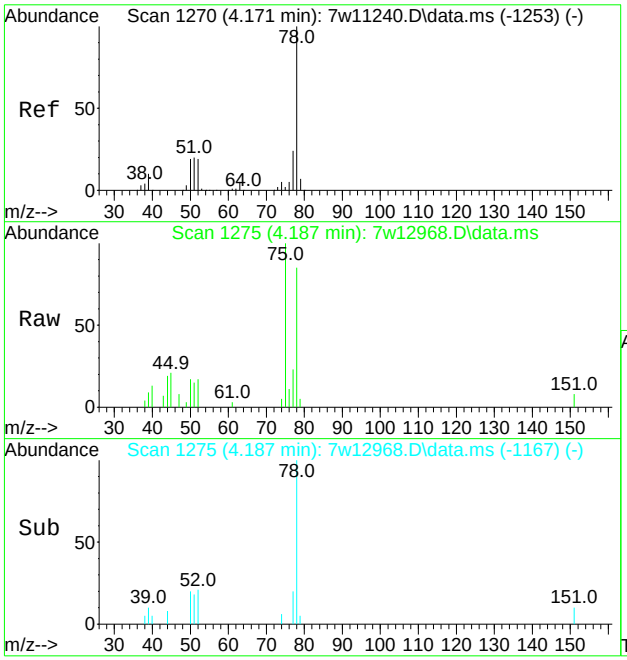


#48
1,1,1-TRICHLOROETHANE
Concen: 0.1182 PPBV
RT: 3.878 min Scan# 1179
Delta R.T. 0.015 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 97 Resp: 2928

Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.1	83.9
61	62.6	34.2	63.6

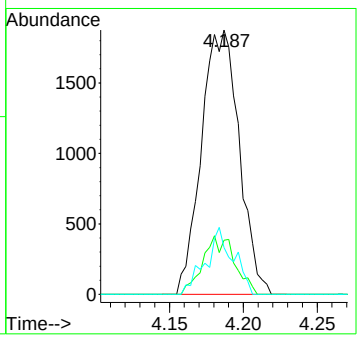


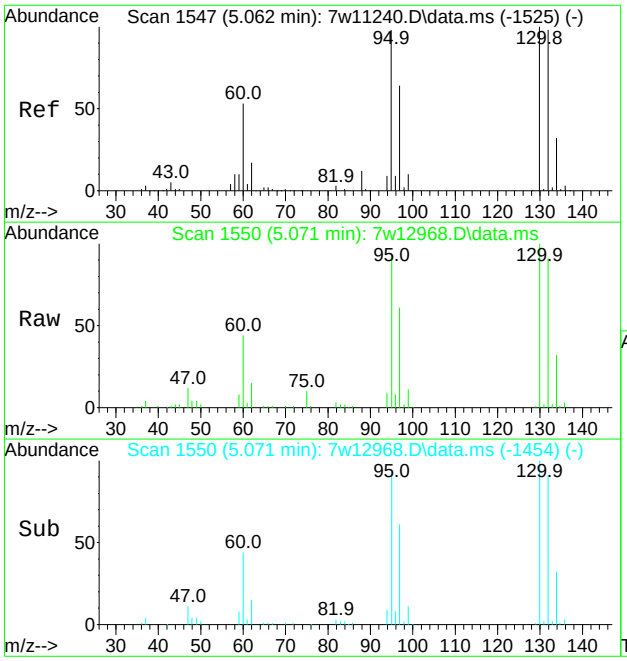


#51
BENZENE
Concen: 0.0984 PPBV
RT: 4.187 min Scan# 1275
Delta R.T. 0.016 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 78 Resp: 3321

Ion	Ratio	Lower	Upper
78	100		
52	18.7	0.0	48.9
51	18.5	0.0	50.2

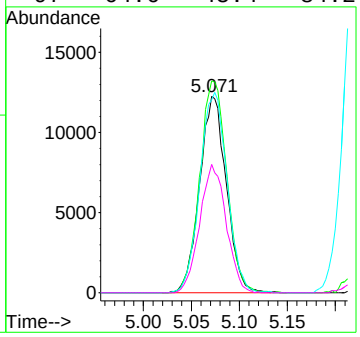


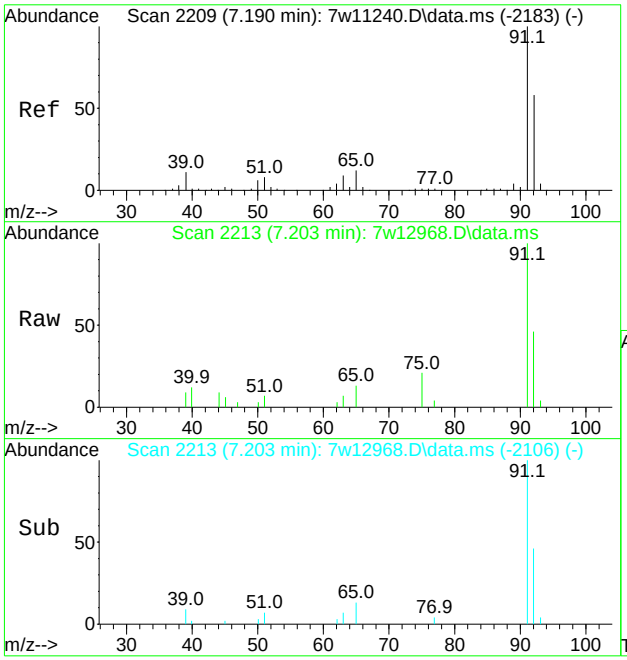


#55
TRICHLOROETHENE
Concen: 1.4873 PPBV
RT: 5.071 min Scan# 1550
Delta R.T. 0.009 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 95 Resp: 23791

Ion	Ratio	Lower	Upper
95	100		
130	109.0	72.8	135.2
132	103.9	71.9	133.5
97	64.6	45.4	84.2

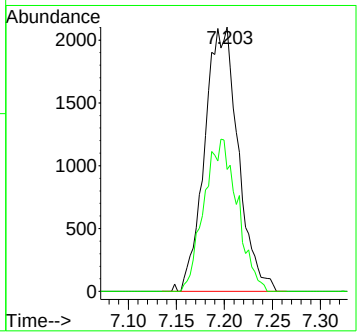




#66
TOLUENE
Concen: 0.1150 PPBV
RT: 7.203 min Scan# 2213
Delta R.T. 0.013 min
Lab File: 7w12968.D
Acq: 24 Feb 2025 2:45 pm

Tgt Ion: 91 Resp: 5112

Ion	Ratio	Lower	Upper
91	100		
92	57.4	29.0	89.0



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/18/25 23:11

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\17 Feb 2025\V6W1450\
Data File : 6w34964.D
Acq On : 16 Feb 2025 1:46 pm
Operator : benk
Sample : je5344-5 Inst : GCMS6W
Misc : MS89541,v6w1450,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 19 03:05:37 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26469	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	136724	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	61822	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	95318	10.46	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.60%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	1742	0.4745	ppb(v	85
9) Chloroform	3.331	83	202m	0.0311	ppb(v	
10) 1,1,1-Trichloroethane	3.969	97	25	0.0048	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	150	0.0291	ppb(v#	69
12) Benzene	4.278	78	1251	0.1410	ppb(v	97
13) Carbon Tetrachloride	4.411	117	596	0.1088	ppb(v	97
15) Toluene	7.458	92	1601	0.2497	ppb(v	98
16) Trichloroethene	5.231	95	104m	0.0228	ppb(v	
23) Tetrachloroethene	9.250	166	43	0.0062	ppb(v	86
32) Naphthalene	18.476	128	1225	0.0673	ppb(v	97

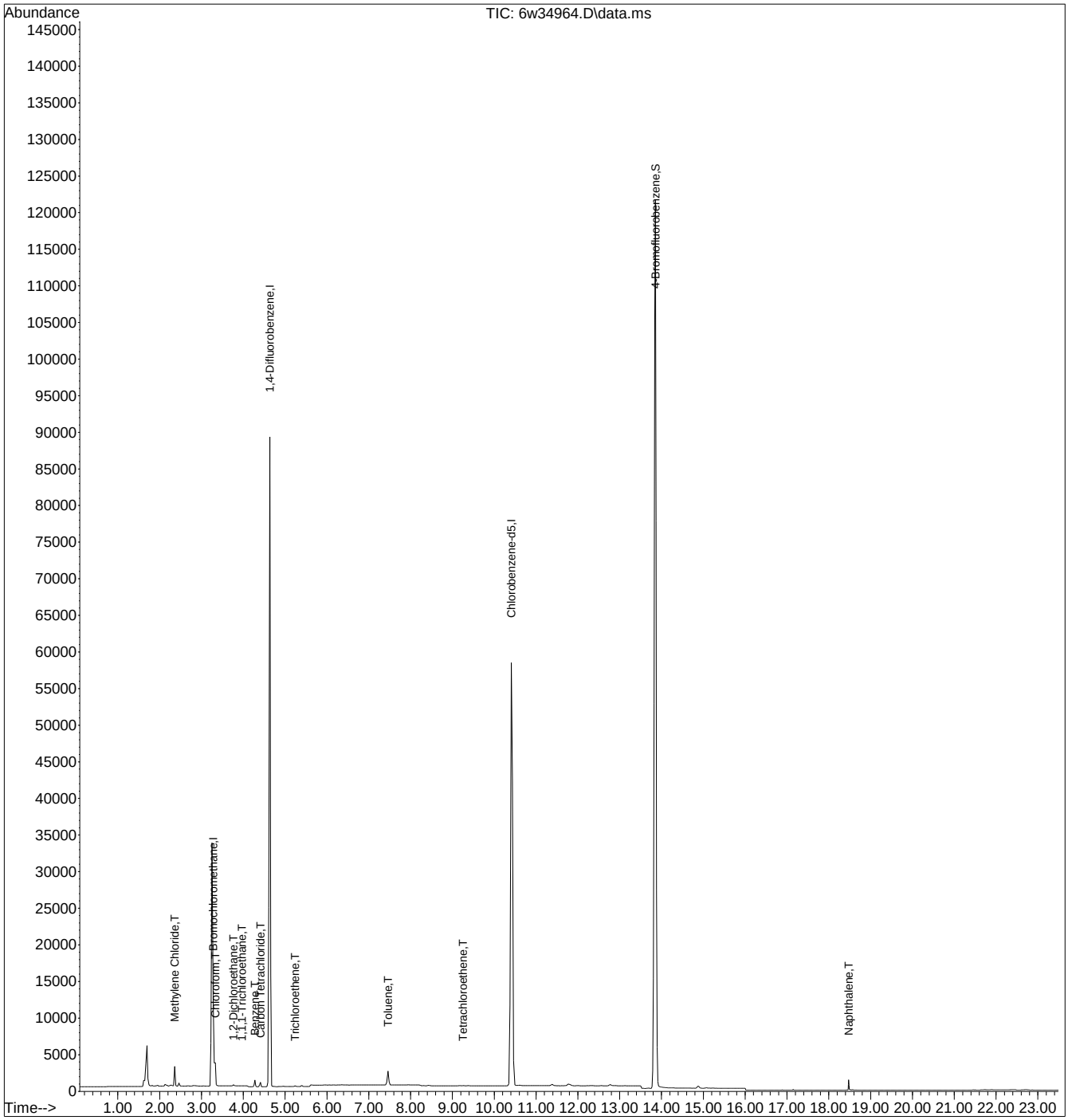
(#) = qualifier out of range (m) = manual integration (+) = signals summed

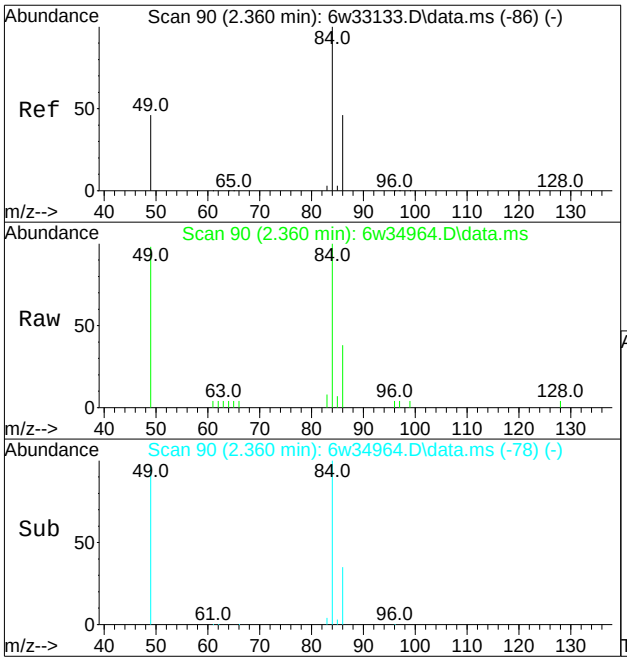
7.1.9
7

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\17 Feb 2025\V6W1450\
Data File : 6w34964.D
Acq On : 16 Feb 2025 1:46 pm
Operator : benk
Sample : je5344-5 Inst : GCMS6W
Misc : MS89541,v6w1450,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 19 03:05:37 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

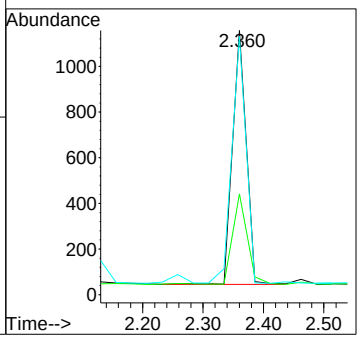


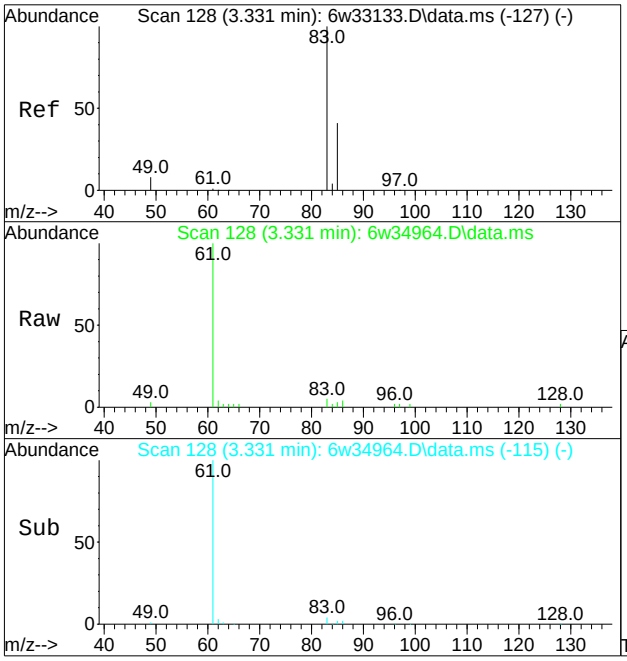


#2
Methylene Chloride
Concen: 0.4745 ppb(v)
RT: 2.360 min Scan# 90
Delta R.T. 0.000 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion: 84 Resp: 1742

Ion	Ratio	Lower	Upper
84	100		
86	38.2	33.7	62.5
49	97.8	59.2	110.0

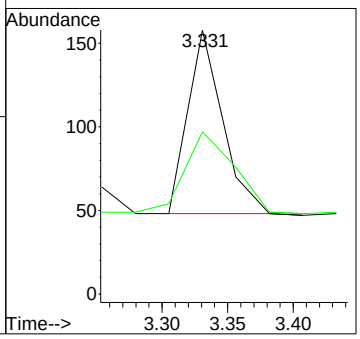


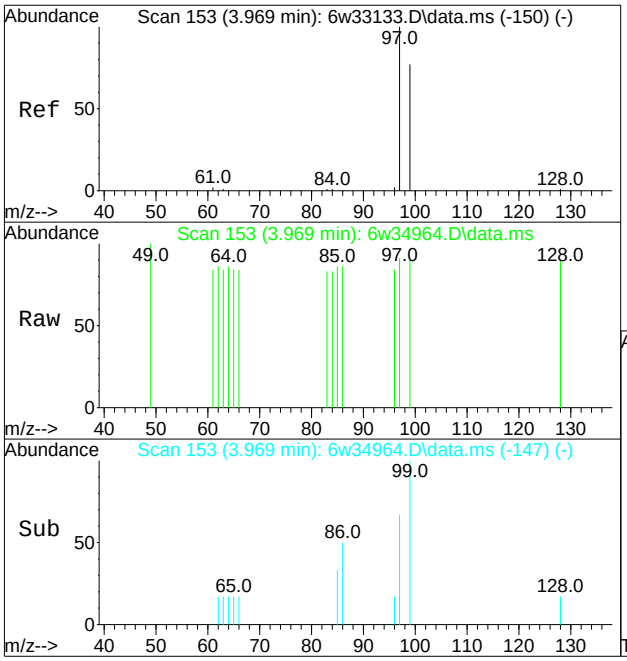


#9
Chloroform
Concen: 0.0311 ppb(v) m
RT: 3.331 min Scan# 128
Delta R.T. -0.000 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion: 83 Resp: 202

Ion	Ratio	Lower	Upper
83	100		
85	61.4	38.9	72.2

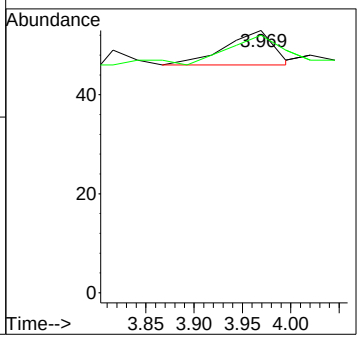


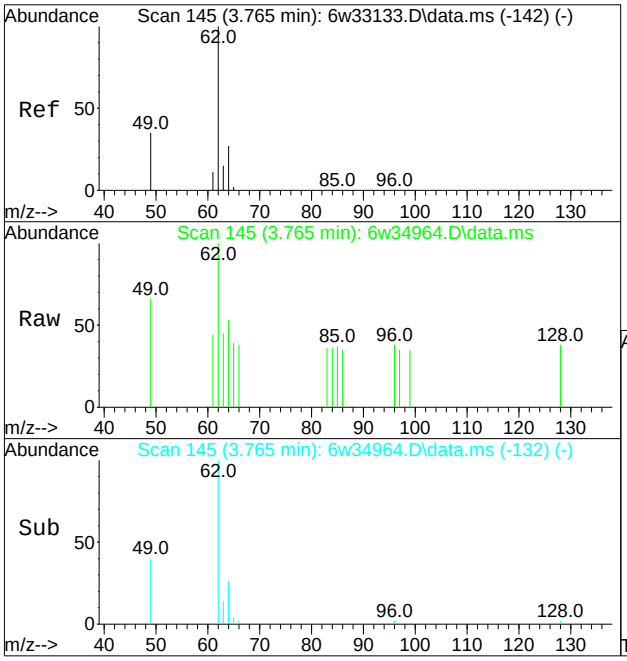


#10
1,1,1-Trichloroethane
Concen: 0.0048 ppb(v)
RT: 3.969 min Scan# 153
Delta R.T. -0.000 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion: 97 Resp: 25

Ion	Ratio	Lower	Upper
97	100		
99	98.1	55.8	103.6

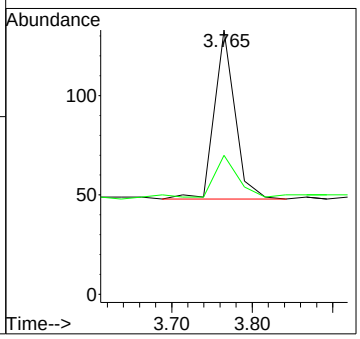


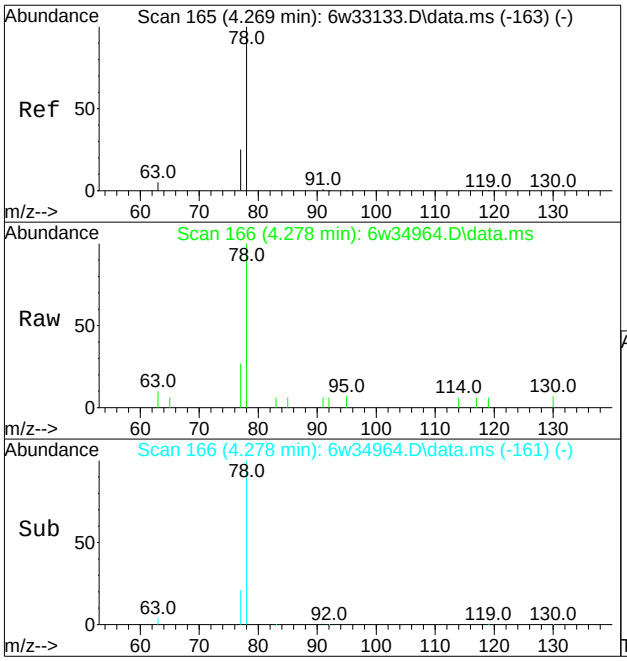


#11
1,2-Dichloroethane
Concen: 0.0291 ppb(v)
RT: 3.765 min Scan# 145
Delta R.T. -0.000 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion: 62 Resp: 150

Ion	Ratio	Lower	Upper
62	100		
64	52.6	24.4	45.4#

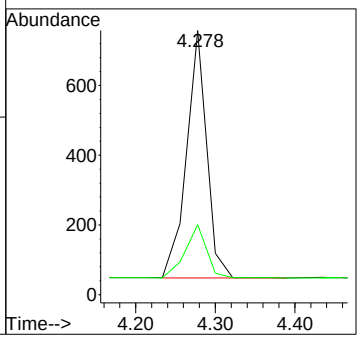


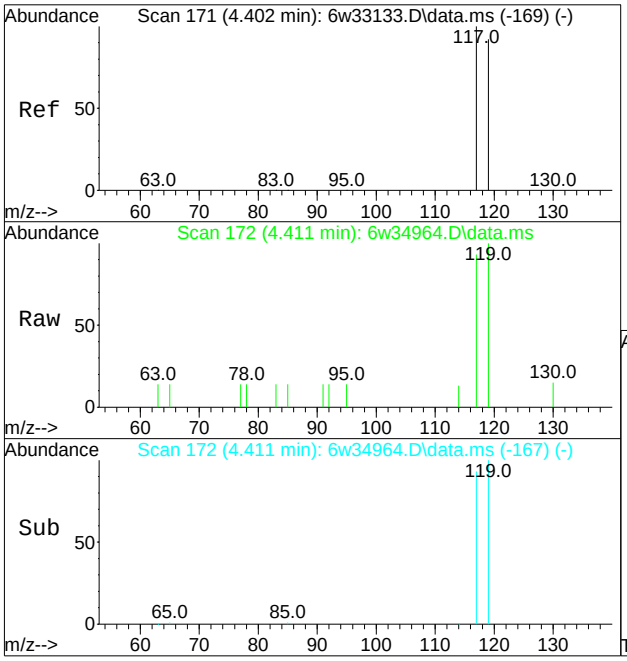


#12
Benzene
Concen: 0.1410 ppb(v)
RT: 4.278 min Scan# 166
Delta R.T. -0.000 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion: 78 Resp: 1251

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.7	36.7

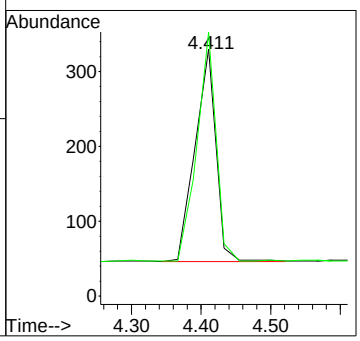


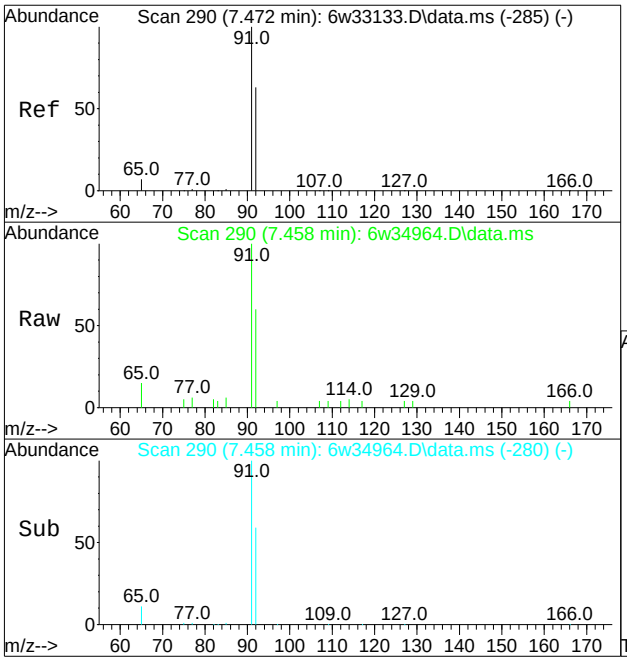


#13
Carbon Tetrachloride
Concen: 0.1088 ppb(v)
RT: 4.411 min Scan# 172
Delta R.T. -0.000 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion:117 Resp: 596

Ion	Ratio	Lower	Upper
117	100		
119	107.0	73.0	135.6

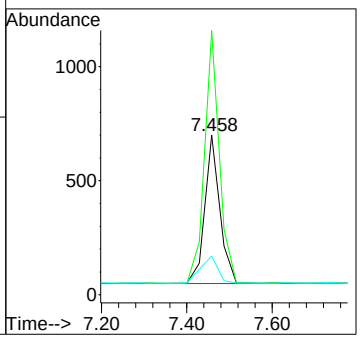


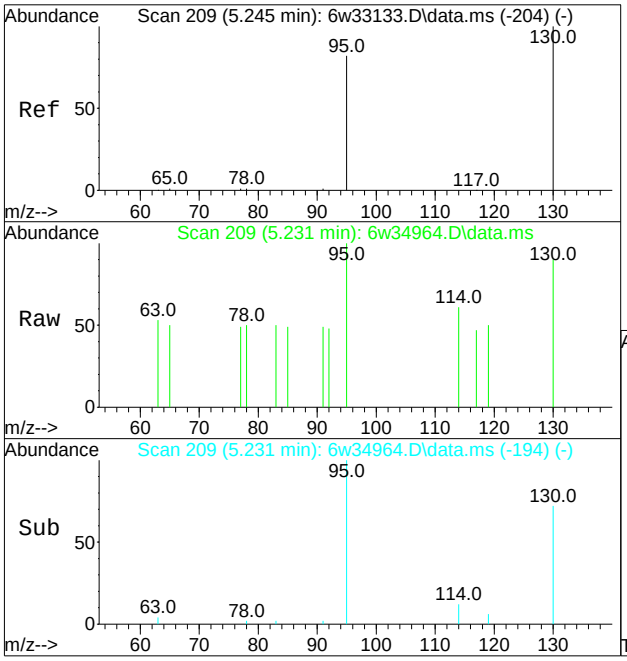


#15
Toluene
Concen: 0.2497 ppb(v)
RT: 7.458 min Scan# 290
Delta R.T. -0.000 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion: 92 Resp: 1601

Ion	Ratio	Lower	Upper
92	100		
91	165.6	115.8	215.0
65	24.1	22.4	41.6

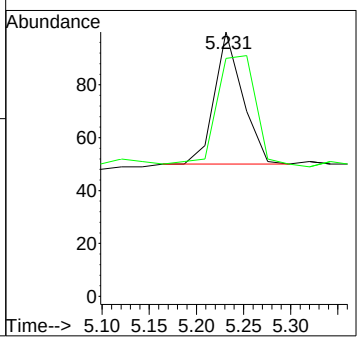


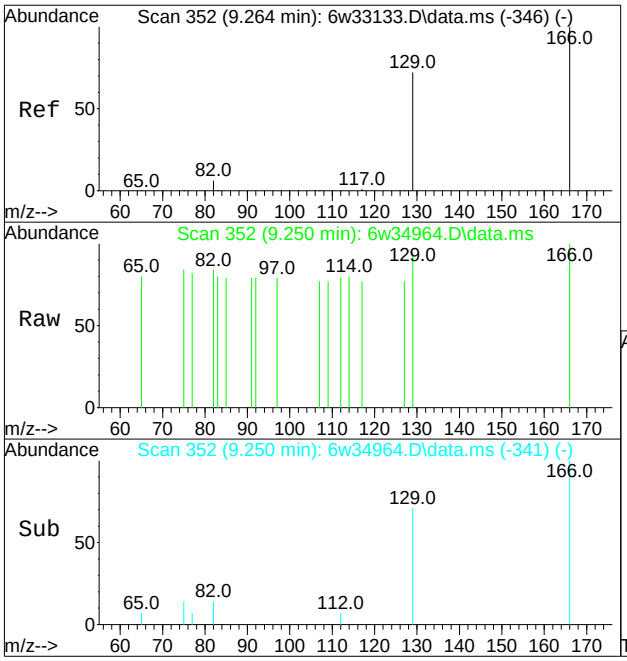


#16
Trichloroethene
Concen: 0.0228 ppb(v) m
RT: 5.231 min Scan# 209
Delta R.T. 0.000 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion: 95 Resp: 104

Ion	Ratio	Lower	Upper
95	100		
130	90.0	58.0	107.6

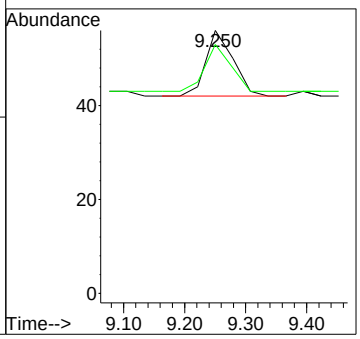


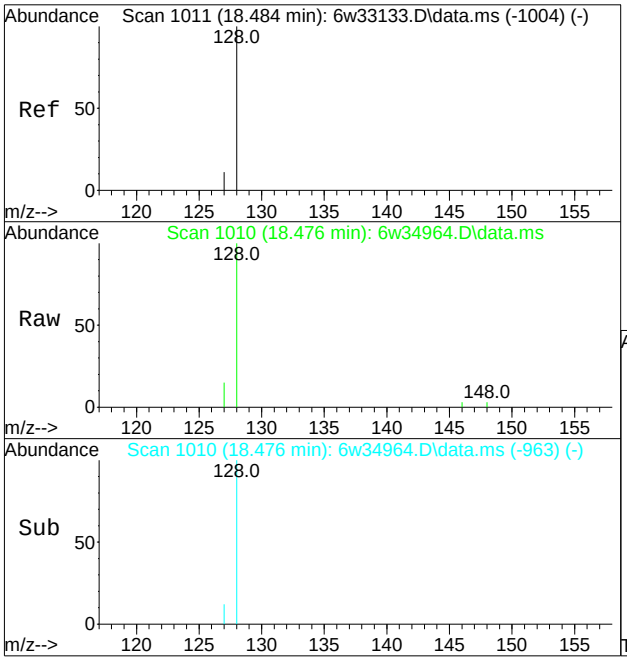


#23
Tetrachloroethene
Concen: 0.0062 ppb(v)
RT: 9.250 min Scan# 352
Delta R.T. 0.000 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion:166 Resp: 43

Ion	Ratio	Lower	Upper
166	100		
129	94.6	57.2	106.2

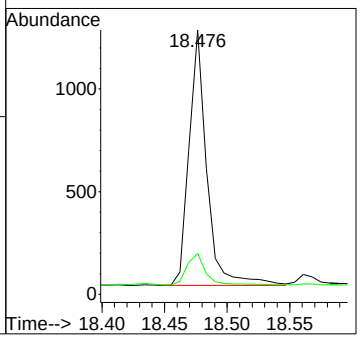




#32
Naphthalene
Concen: 0.0673 ppb(v)
RT: 18.476 min Scan# 1010
Delta R.T. -0.001 min
Lab File: 6w34964.D
Acq: 16 Feb 2025 1:46 pm

Tgt Ion:128 Resp: 1225

Ion	Ratio	Lower	Upper
128	100		
127	15.5	9.9	18.5



Manual Integration Approval Summary

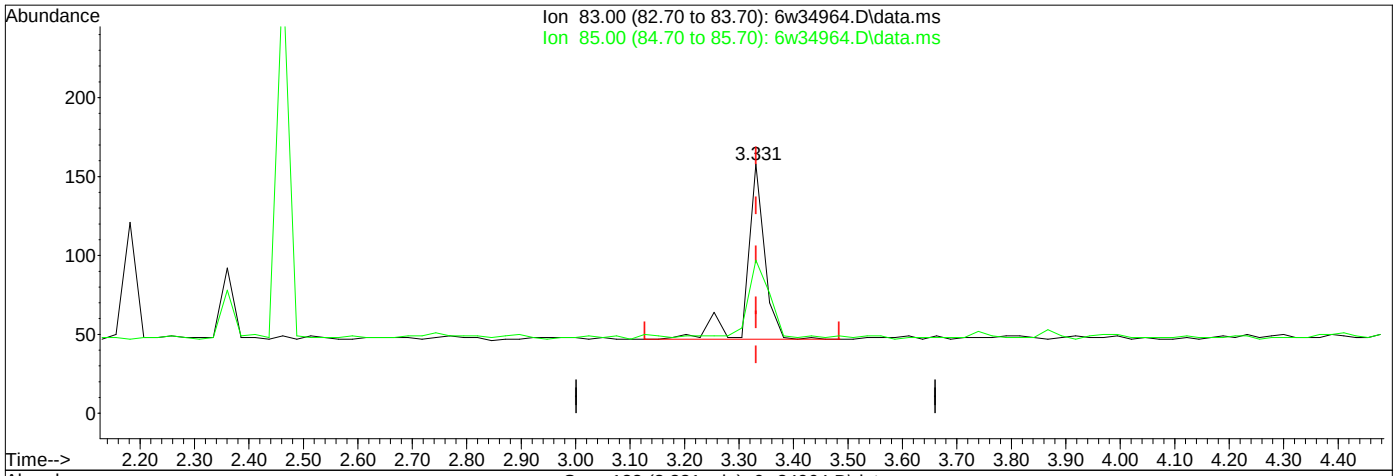
Sample Number: JE5344-5
Lab FileID: 6W34964.D
Injection Time: 02/16/25 13:46
Method: TO-15 (BY SIM)
Analyst approved: 02/18/25 22:33 Geralyn Gomez
Supervisor approved: 02/18/25 23:11 Kanya Veerawat

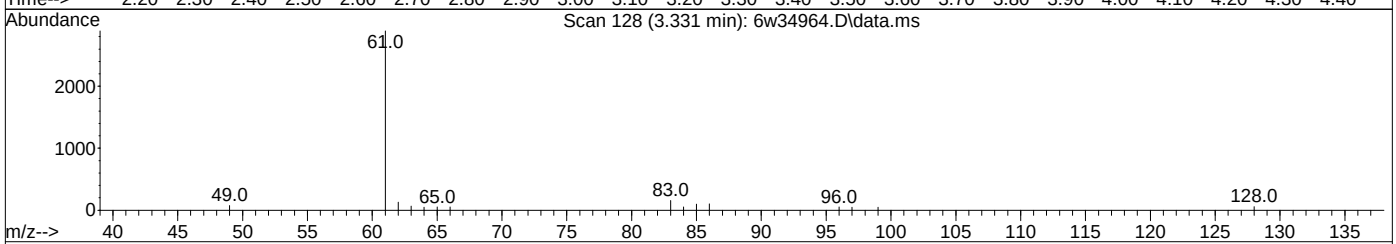
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak
Trichloroethylene	79-01-6		5.23	Overlapping peak

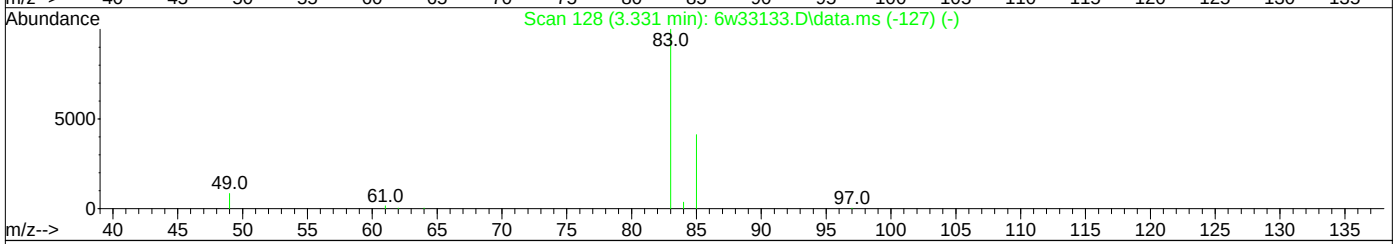
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34964.D
Acq On : 16 Feb 2025 1:46 pm
Operator : benk
Sample : je5344-5 Inst : GCMS6W
Misc : MS89541,v6w1450,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:22:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34964.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.04ppb(v)

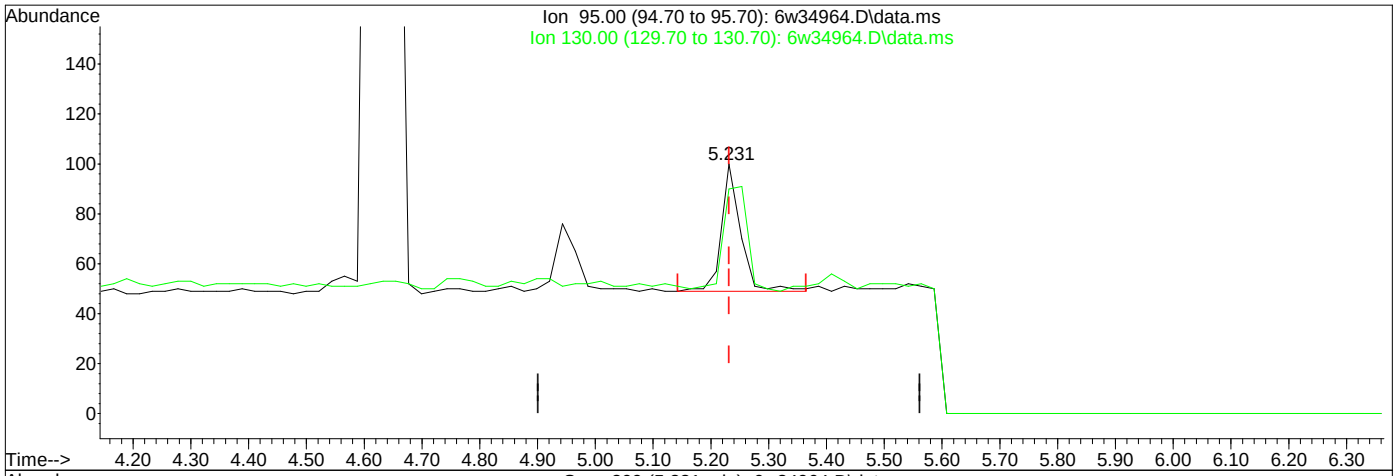
response 245

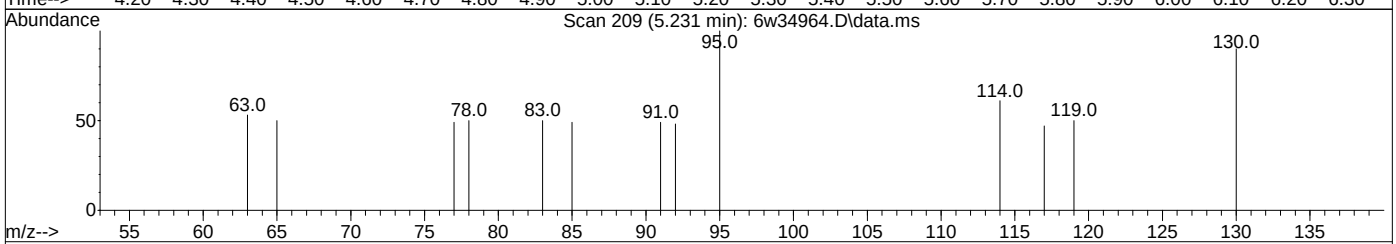
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	61.39
0.00	0.00	0.00
0.00	0.00	0.00

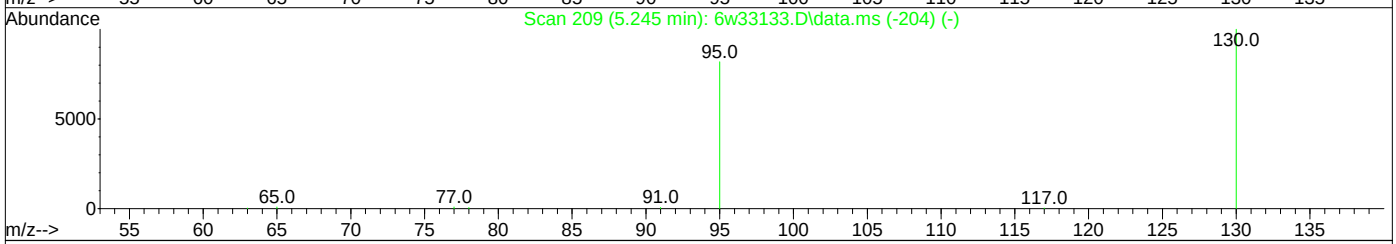
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34964.D
Acq On : 16 Feb 2025 1:46 pm
Operator : benk
Sample : je5344-5 Inst : GCMS6W
Misc : MS89541,v6w1450,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:22:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34964.D\data.ms

(16) Trichloroethene (T)

5.231min (+0.000) 0.03ppb(v)

response 118

Ion	Exp%	Act%
95.00	100	100
130.00	82.80	90.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/18/25 23:11

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\17 Feb 2025\V6W1450\
Data File : 6w34965.D
Acq On : 16 Feb 2025 2:28 pm
Operator : benk
Sample : je5344-10 Inst : GCMS6W
Misc : MS89541,v6w1450,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 19 03:07:19 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26881	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	137853	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	62157	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	95976	10.48	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.80%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	923	0.2475	ppb(v	94
9) Chloroform	3.331	83	187m	0.0284	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	23m	0.0044	ppb(v	
11) 1,2-Dichloroethane	3.765	62	150	0.0286	ppb(v#	66
12) Benzene	4.278	78	1243	0.1379	ppb(v	99
13) Carbon Tetrachloride	4.411	117	584	0.1050	ppb(v	98
15) Toluene	7.458	92	1049	0.1623	ppb(v	96
16) Trichloroethene	5.231	95	136m	0.0296	ppb(v	
23) Tetrachloroethene	9.250	166	52	0.0074	ppb(v	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

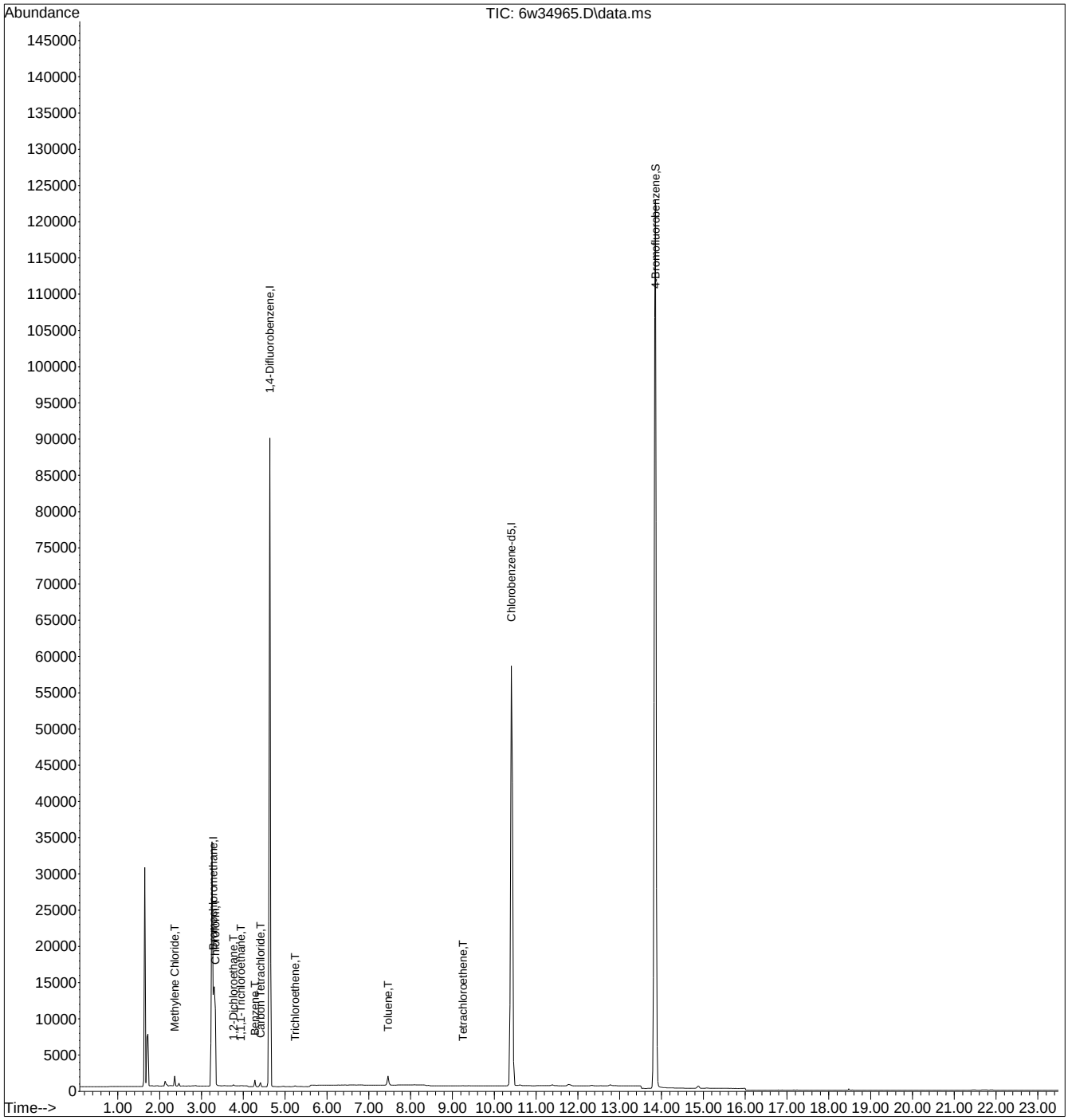
7.1.10

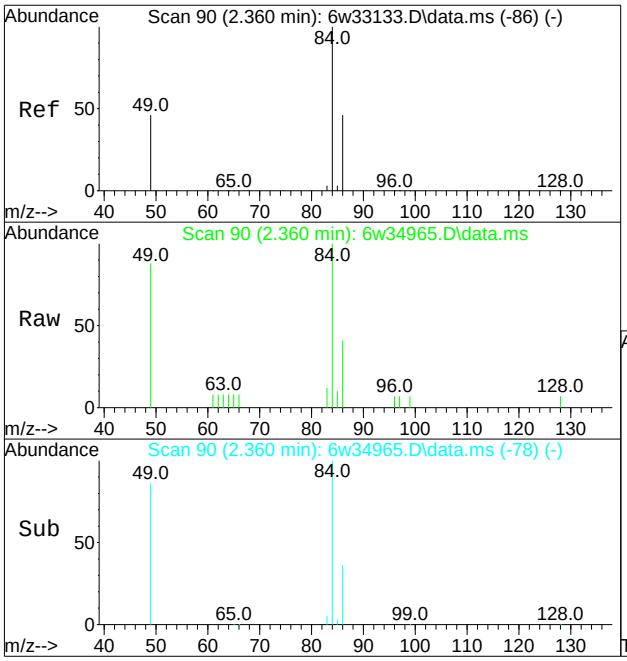
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Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\17 Feb 2025\V6W1450\
Data File : 6w34965.D
Acq On : 16 Feb 2025 2:28 pm
Operator : benk
Sample : je5344-10 Inst : GCMS6W
Misc : MS89541,v6w1450,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 19 03:07:19 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

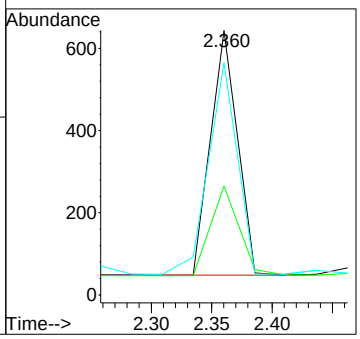


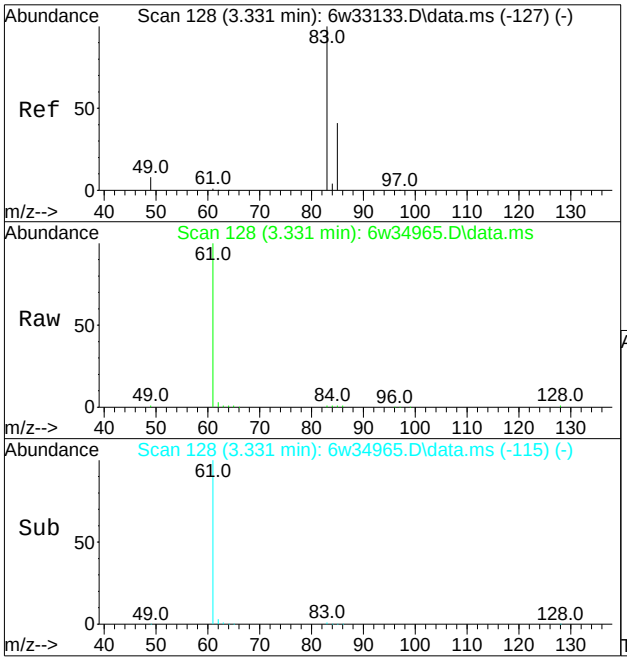


#2
Methylene Chloride
Concen: 0.2475 ppb(v)
RT: 2.360 min Scan# 90
Delta R.T. 0.000 min
Lab File: 6w34965.D
Acq: 16 Feb 2025 2:28 pm

Tgt Ion: 84 Resp: 923

Ion	Ratio	Lower	Upper
84	100		
86	41.1	33.7	62.5
49	87.7	59.2	110.0

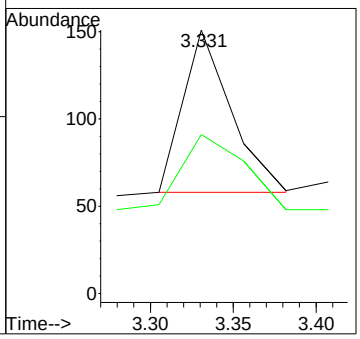


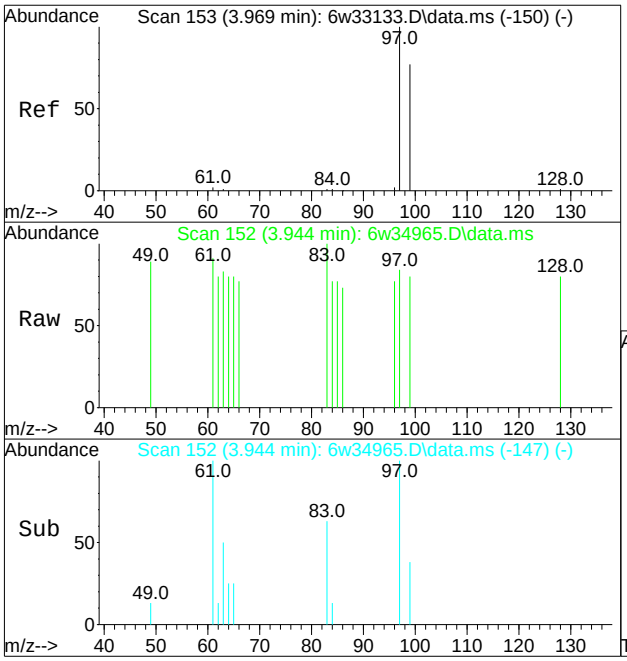


#9
Chloroform
Concen: 0.0284 ppb(v) m
RT: 3.331 min Scan# 128
Delta R.T. -0.000 min
Lab File: 6w34965.D
Acq: 16 Feb 2025 2:28 pm

Tgt Ion: 83 Resp: 187

Ion	Ratio	Lower	Upper
83	100		
85	60.3	38.9	72.2

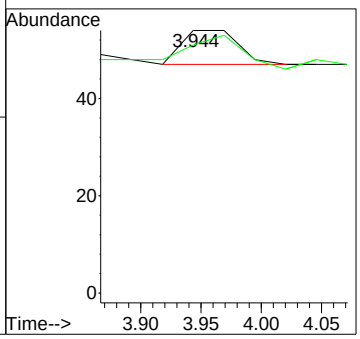


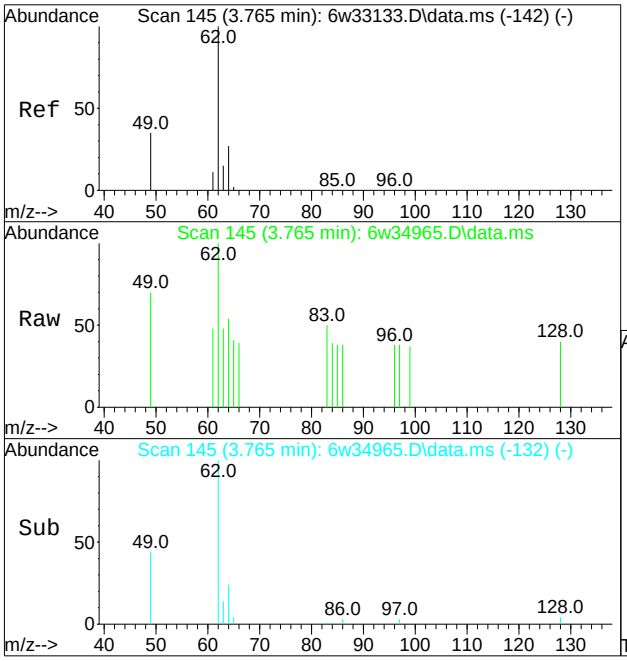


#10
1,1,1-Trichloroethane
Concen: 0.0044 ppb(v) m
RT: 3.944 min Scan# 152
Delta R.T. -0.026 min
Lab File: 6w34965.D
Acq: 16 Feb 2025 2:28 pm

Tgt Ion: 97 Resp: 23

Ion	Ratio	Lower	Upper
97	100		
99	94.4	55.8	103.6

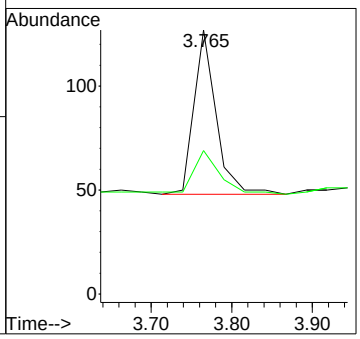


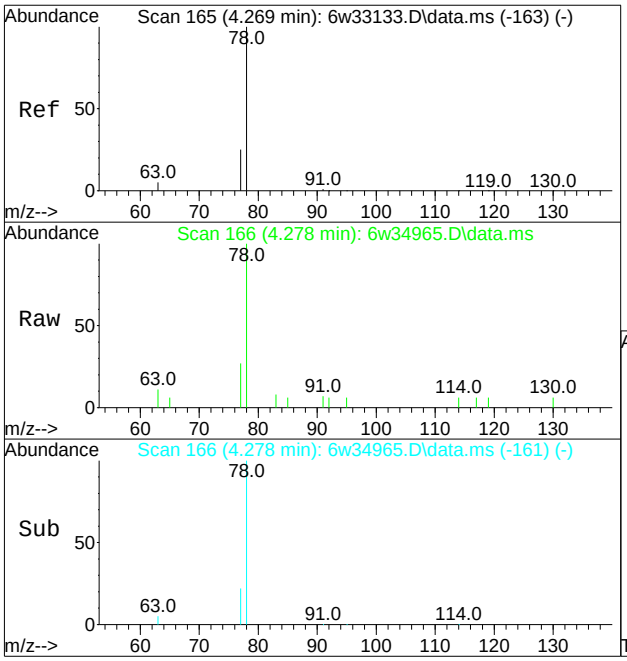


#11
1,2-Dichloroethane
Concen: 0.0286 ppb(v)
RT: 3.765 min Scan# 145
Delta R.T. -0.000 min
Lab File: 6w34965.D
Acq: 16 Feb 2025 2:28 pm

Tgt Ion: 62 Resp: 150

Ion	Ratio	Lower	Upper
62	100		
64	54.3	24.4	45.4#

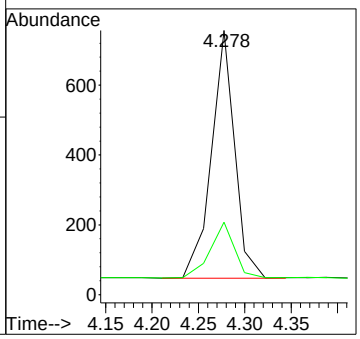


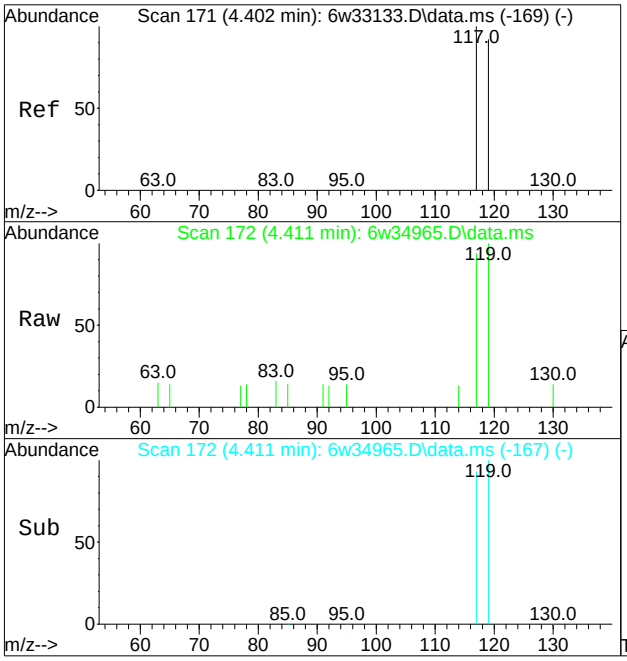


#12
Benzene
Concen: 0.1379 ppb(v)
RT: 4.278 min Scan# 166
Delta R.T. -0.000 min
Lab File: 6w34965.D
Acq: 16 Feb 2025 2:28 pm

Tgt Ion: 78 Resp: 1243

Ion	Ratio	Lower	Upper
78	100		
77	27.5	19.7	36.7

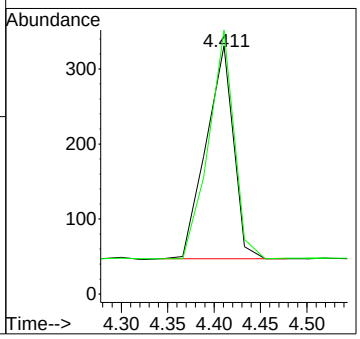


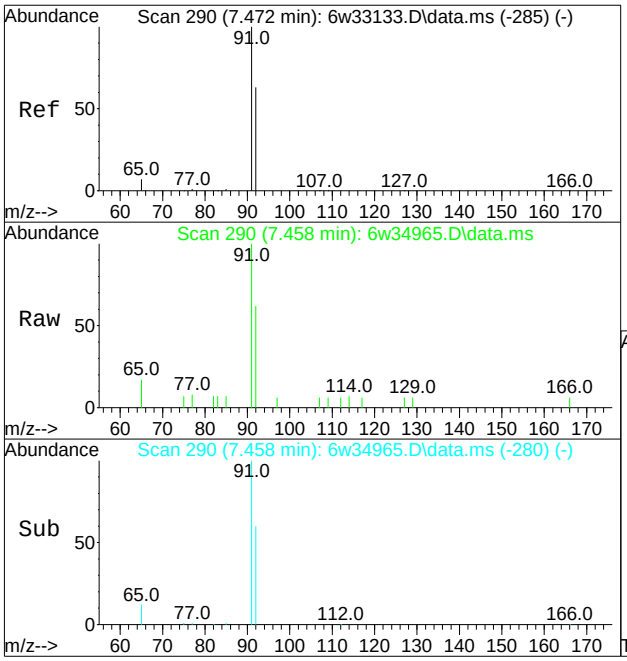


#13
Carbon Tetrachloride
Concen: 0.1050 ppb(v)
RT: 4.411 min Scan# 172
Delta R.T. -0.000 min
Lab File: 6w34965.D
Acq: 16 Feb 2025 2:28 pm

Tgt Ion:117 Resp: 584

Ion	Ratio	Lower	Upper
117	100		
119	106.3	73.0	135.6

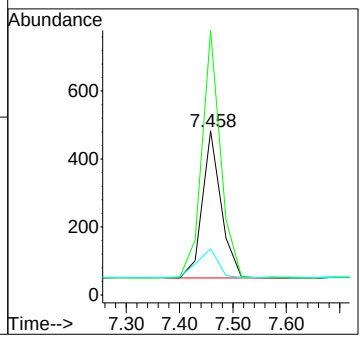


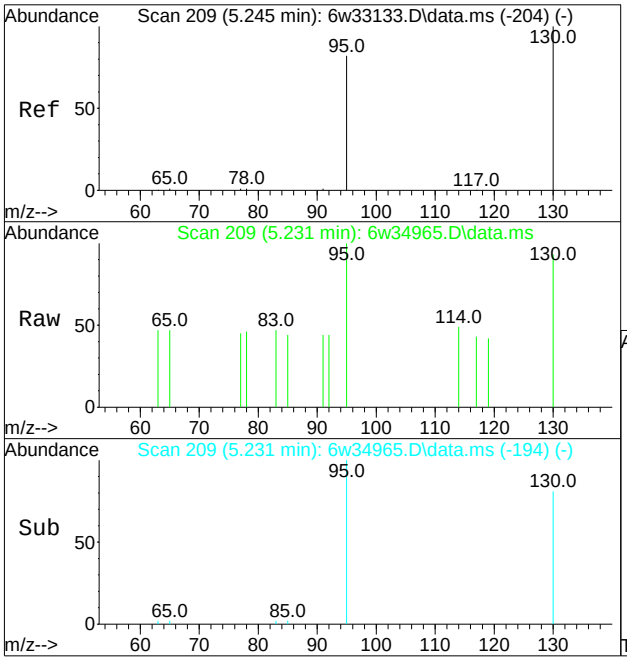


#15
Toluene
Concen: 0.1623 ppb(v)
RT: 7.458 min Scan# 290
Delta R.T. -0.000 min
Lab File: 6w34965.D
Acq: 16 Feb 2025 2:28 pm

Tgt Ion: 92 Resp: 1049

Ion	Ratio	Lower	Upper
92	100		
91	161.3	115.8	215.0
65	28.2	22.4	41.6

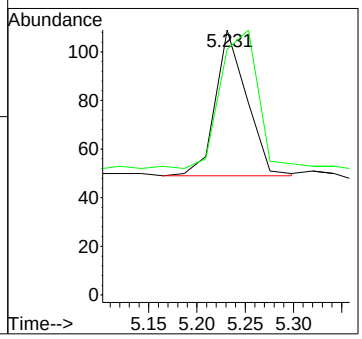


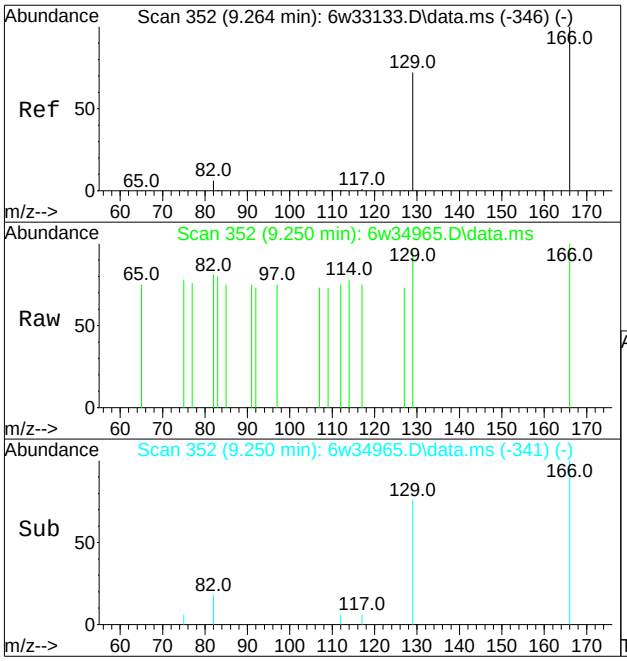


#16
Trichloroethene
Concen: 0.0296 ppb(v) m
RT: 5.231 min Scan# 209
Delta R.T. 0.000 min
Lab File: 6w34965.D
Acq: 16 Feb 2025 2:28 pm

Tgt Ion: 95 Resp: 136

Ion	Ratio	Lower	Upper
95	100		
130	92.7	58.0	107.6

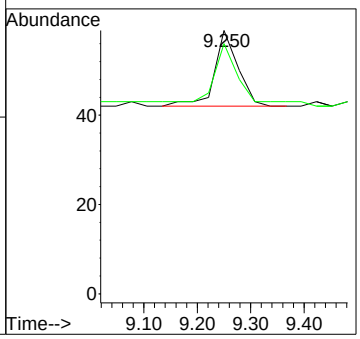




#23
Tetrachloroethene
Concen: 0.0074 ppb(v)
RT: 9.250 min Scan# 352
Delta R.T. 0.000 min
Lab File: 6w34965.D
Acq: 16 Feb 2025 2:28 pm

Tgt Ion:166 Resp: 52

Ion	Ratio	Lower	Upper
166	100		
129	94.9	57.2	106.2



Manual Integration Approval Summary

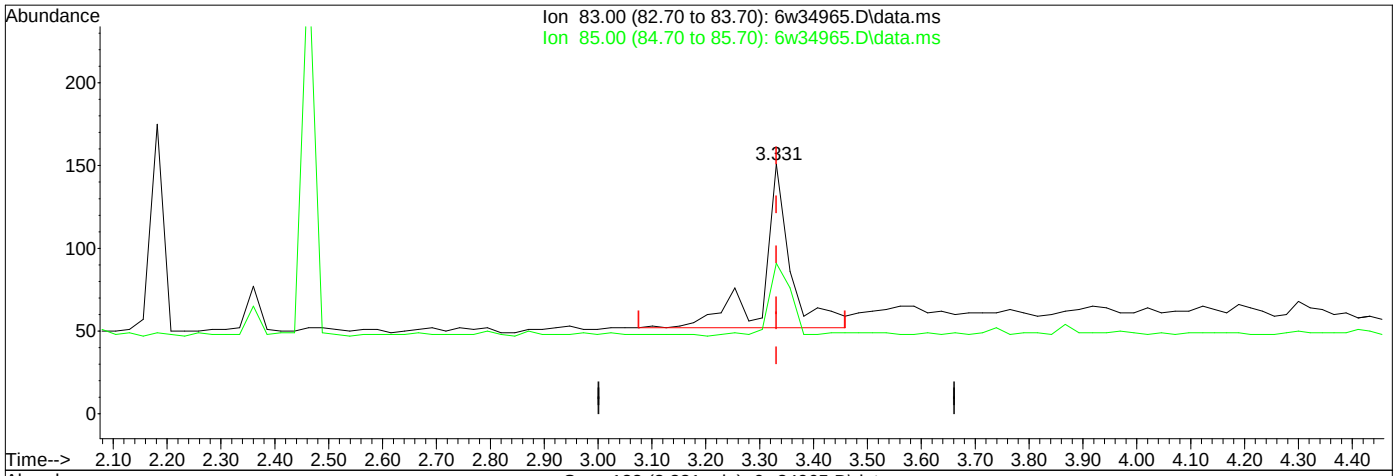
Sample Number: JE5344-10
Lab FileID: 6W34965.D
Injection Time: 02/16/25 14:28
Method: TO-15 (BY SIM)
Analyst approved: 02/18/25 22:33 Geralyn Gomez
Supervisor approved: 02/18/25 23:11 Kanya Veerawat

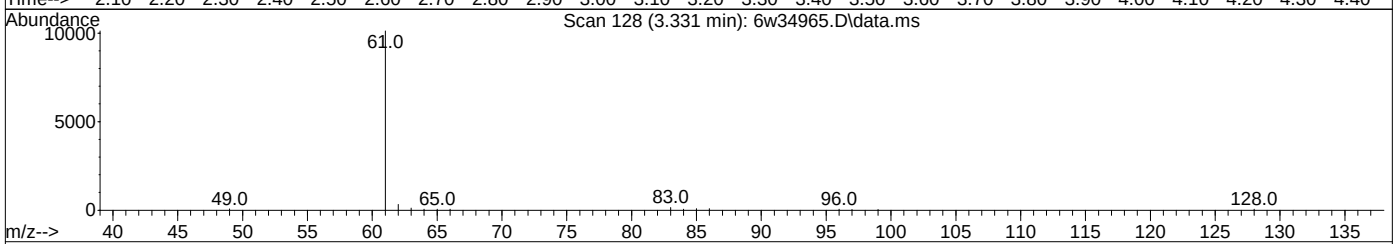
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak
1,1,1-Trichloroethane	71-55-6		3.94	Poor instrument integration
Trichloroethylene	79-01-6		5.23	Poor instrument integration

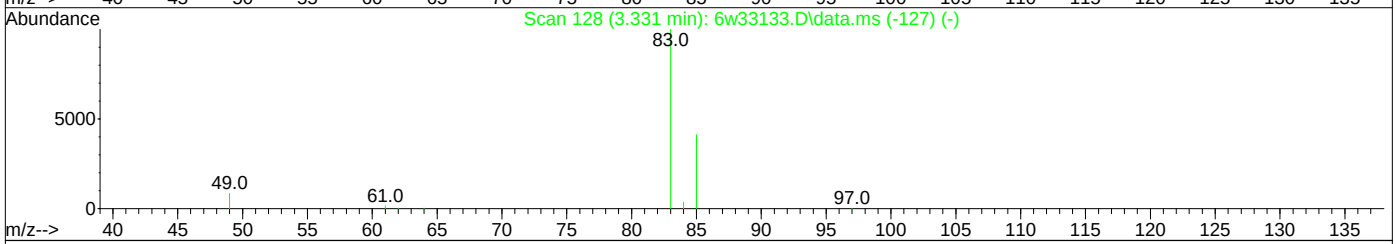
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34965.D
Acq On : 16 Feb 2025 2:28 pm
Operator : benk
Sample : je5344-10 Inst : GCMS6W
Misc : MS89541,v6w1450,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 12:05:34 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34965.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.05ppb(v)

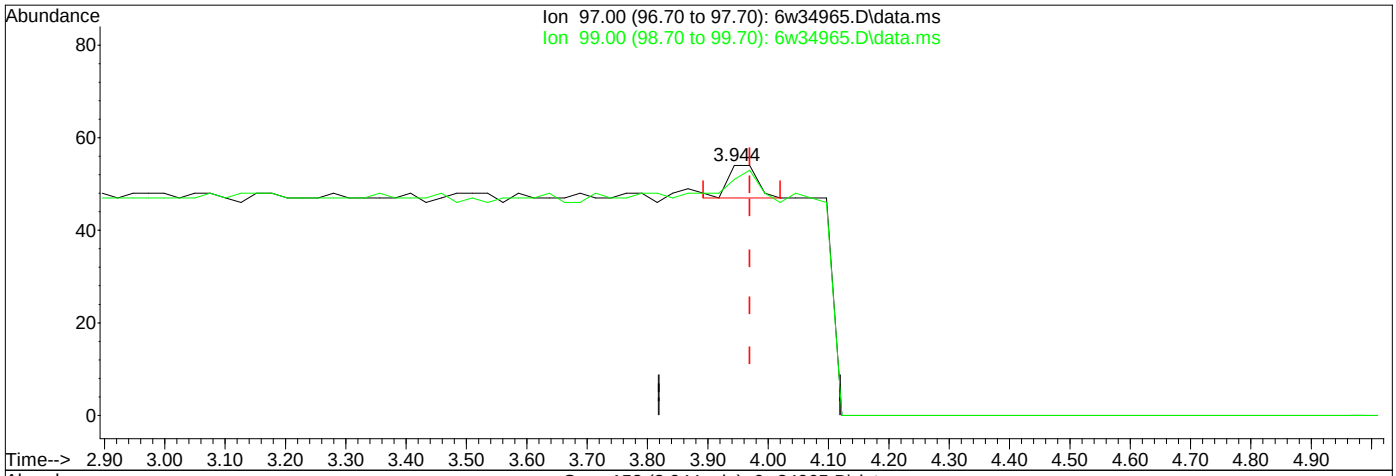
response 345

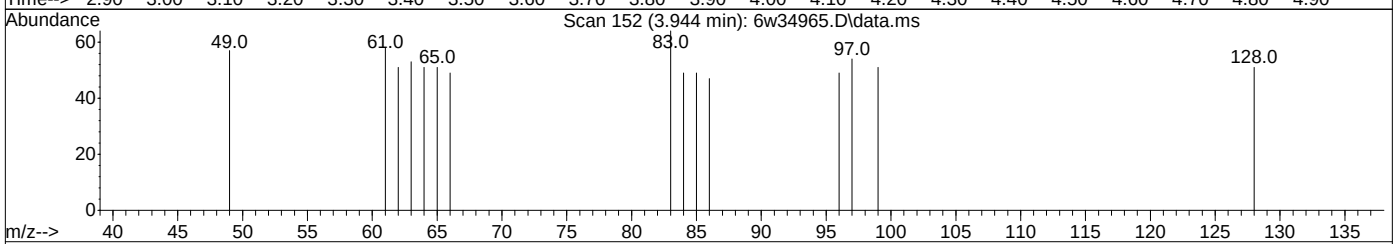
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	60.26
0.00	0.00	0.00
0.00	0.00	0.00

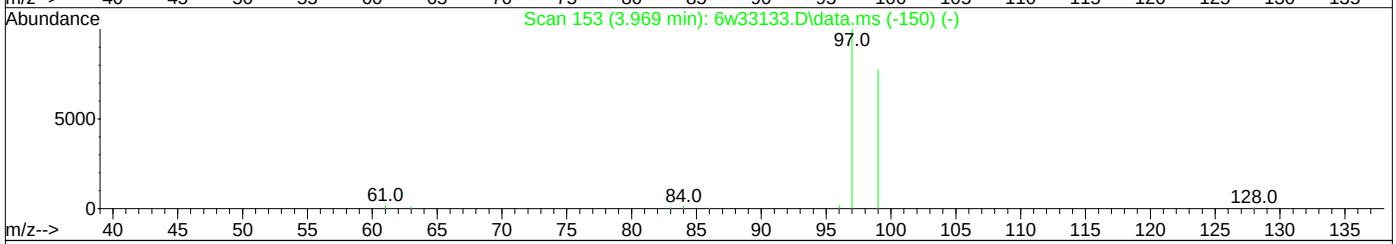
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34965.D
Acq On : 16 Feb 2025 2:28 pm
Operator : benk
Sample : je5344-10 Inst : GCMS6W
Misc : MS89541,v6w1450,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 12:05:34 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34965.D\data.ms

(10) 1,1,1-Trichloroethane (T)

3.944min (-0.026) 0.00ppb(v)

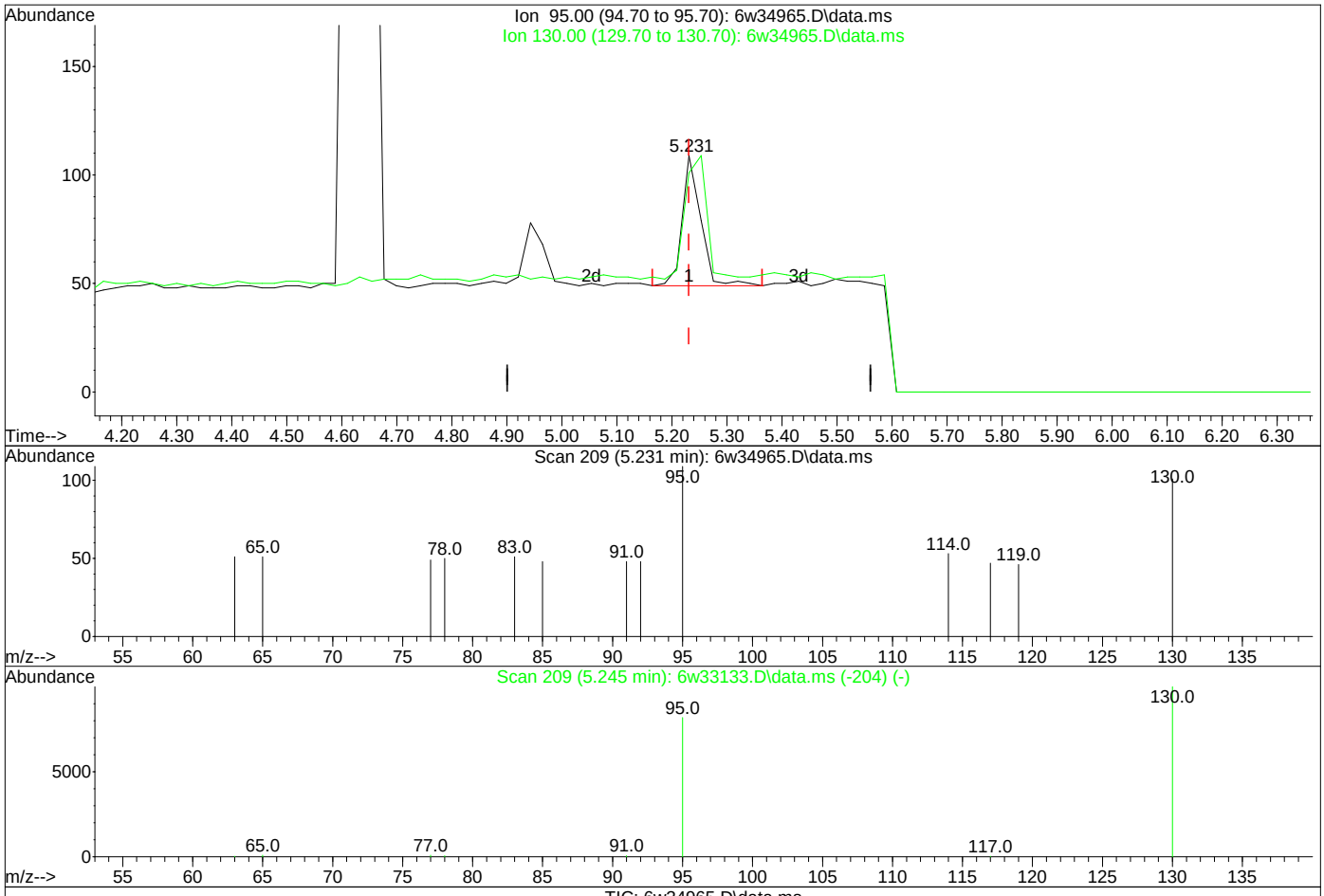
response 23

Ion	Exp%	Act%
97.00	100	100
99.00	79.70	94.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34965.D
Acq On : 16 Feb 2025 2:28 pm
Operator : benk
Sample : je5344-10 Inst : GCMS6W
Misc : MS89541,v6w1450,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 12:07:49 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



TIC: 6w34965.D\data.ms

(16) Trichloroethene (T)

5.231min (+0.000) 0.03ppb(v)

response 140

Ion	Exp%	Act%
95.00	100	100
130.00	82.80	92.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12943.D
Acq On : 23 Feb 2025 9:31 pm
Operator : benk
Sample : mb
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 22:10:41 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	136151	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	671865	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	602914	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	136151	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	378016	8.64	PPBV	0.00
Target Compounds						Qvalue

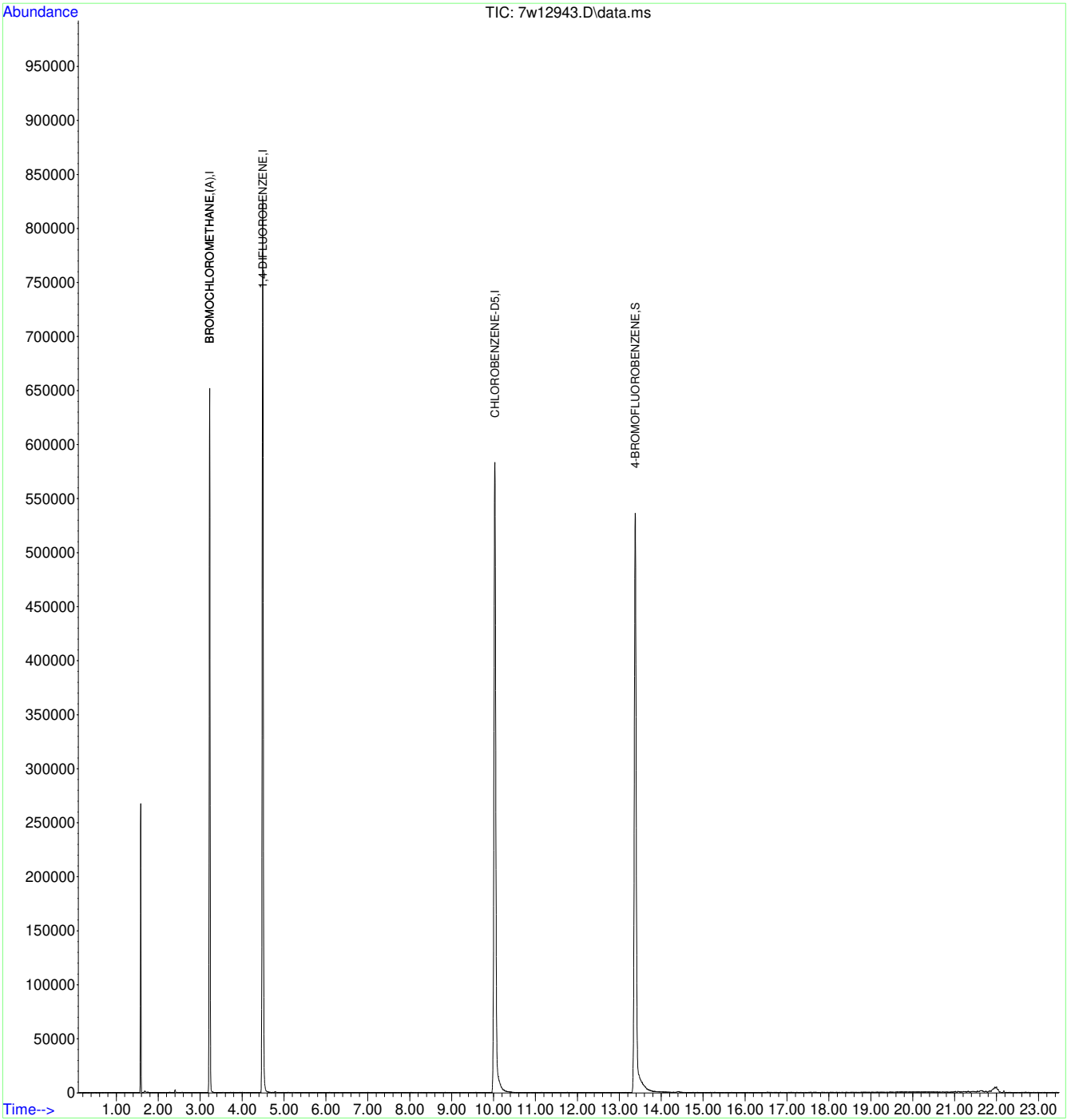
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12943.D
Acq On : 23 Feb 2025 9:31 pm
Operator : benk
Sample : mb
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 22:10:41 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11822.D
Acq On : 16 Jan 2025 2:19 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS88749,v7w423,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 23:07:05 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

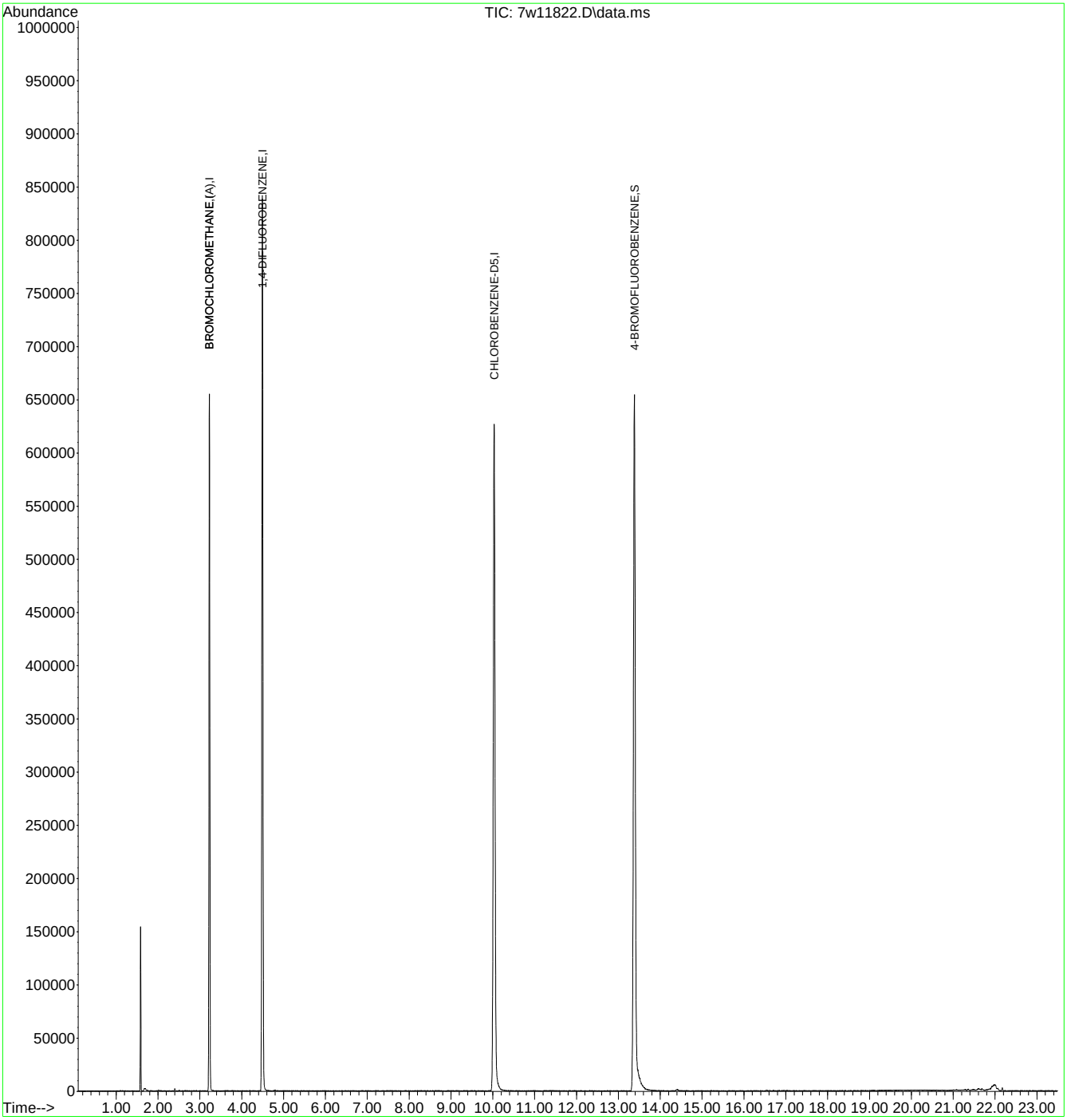
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	124743	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	634881	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	589400	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	124743	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.382	95	443808	10.38	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11822.D
Acq On : 16 Jan 2025 2:19 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS88749,v7w423,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 23:07:05 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11934.D
Acq On : 20 Jan 2025 2:09 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 20 16:18:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

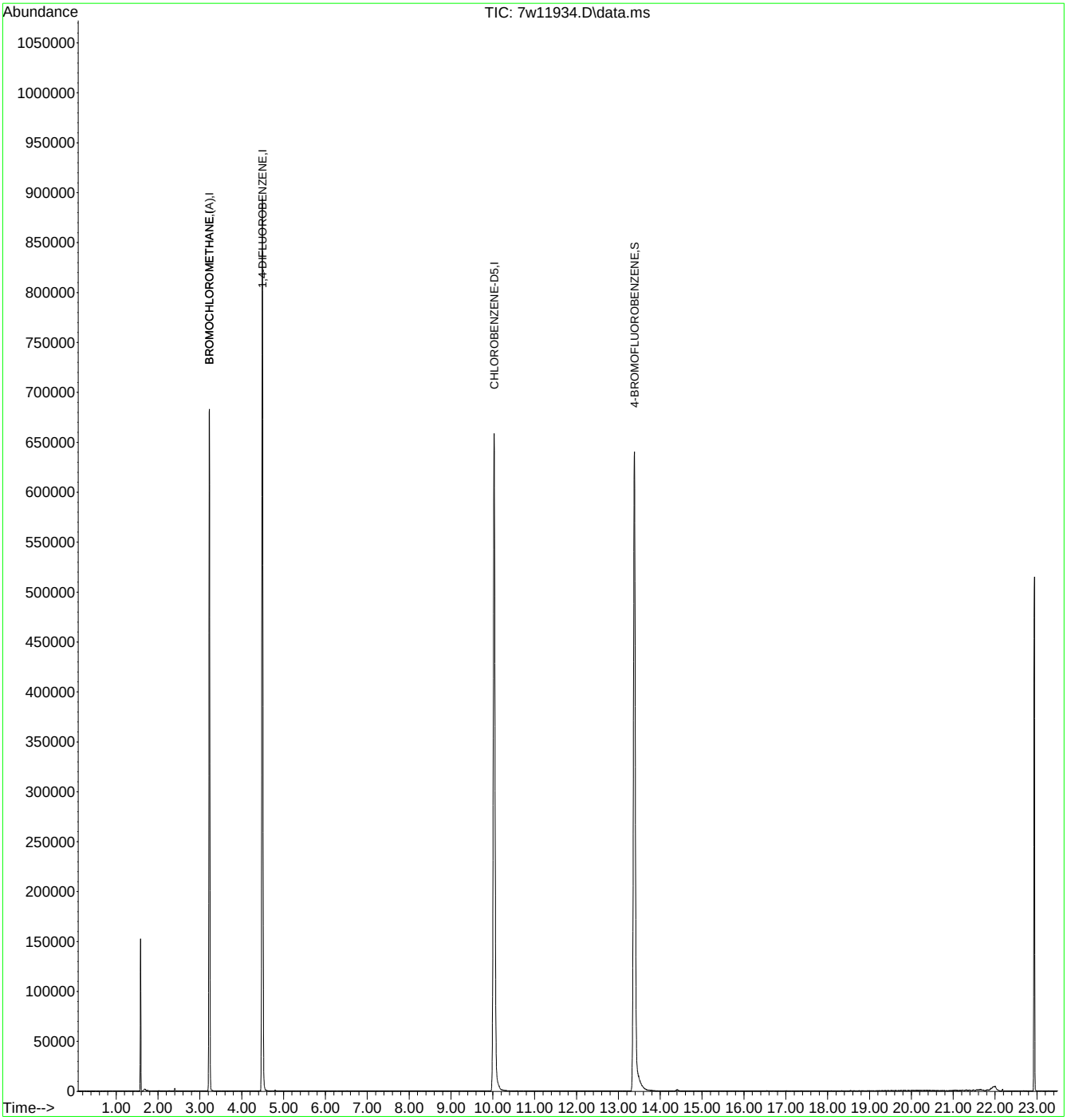
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	130128	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	657943	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	602284	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	130128	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	428575	9.81	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11934.D
Acq On : 20 Jan 2025 2:09 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 20 16:18:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11971.D
Acq On : 21 Jan 2025 12:59 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS89007,v7w427,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 10:02:53 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

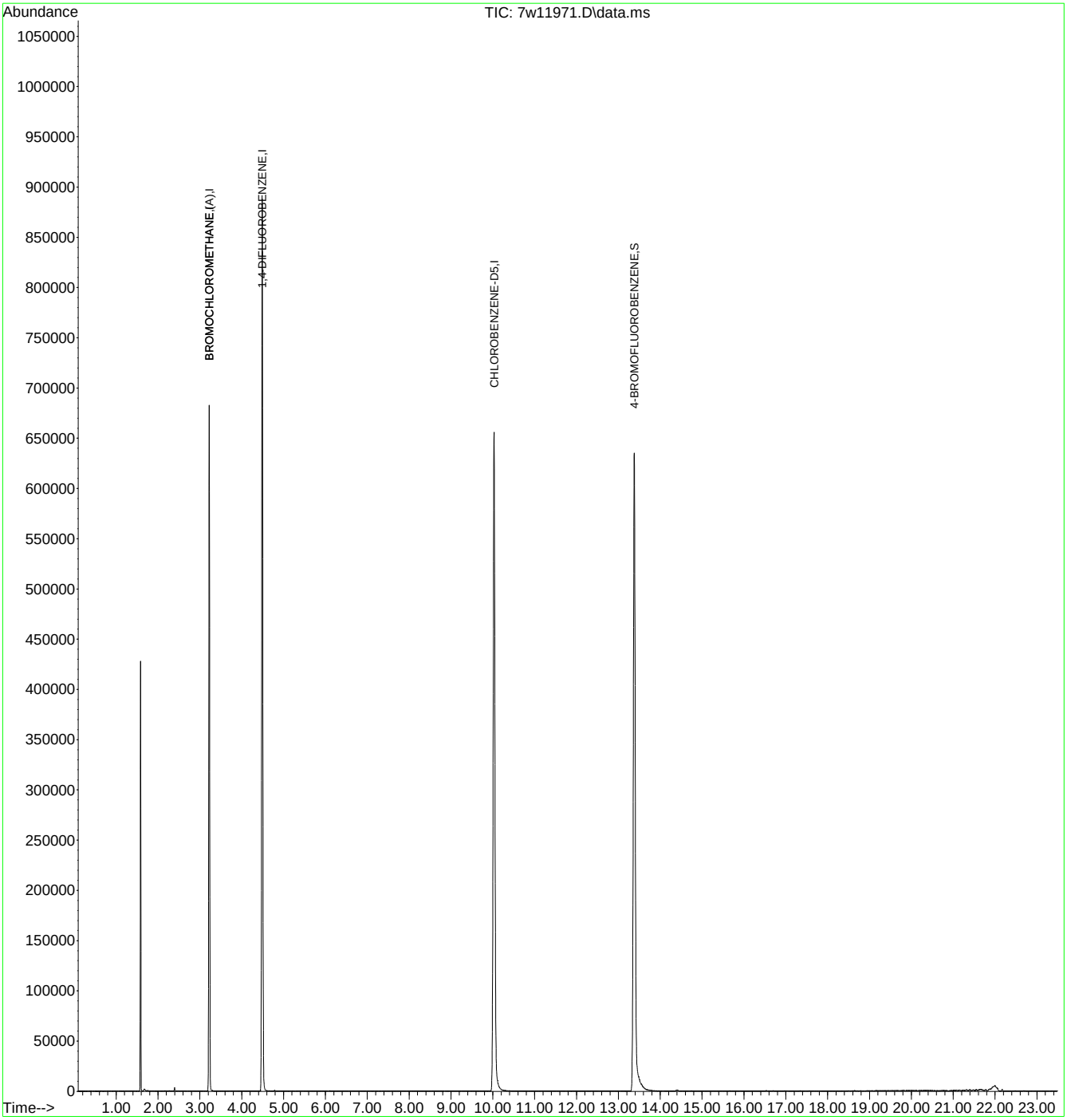
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	128941	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.489	114	659701	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	601659	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	128941	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	427569	9.79	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11971.D
Acq On : 21 Jan 2025 12:59 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS89007,v7w427,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 10:02:53 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56377.D
Acq On : 24 Jan 2025 3:16 pm
Operator : williamc
Sample : mb Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:17:48 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

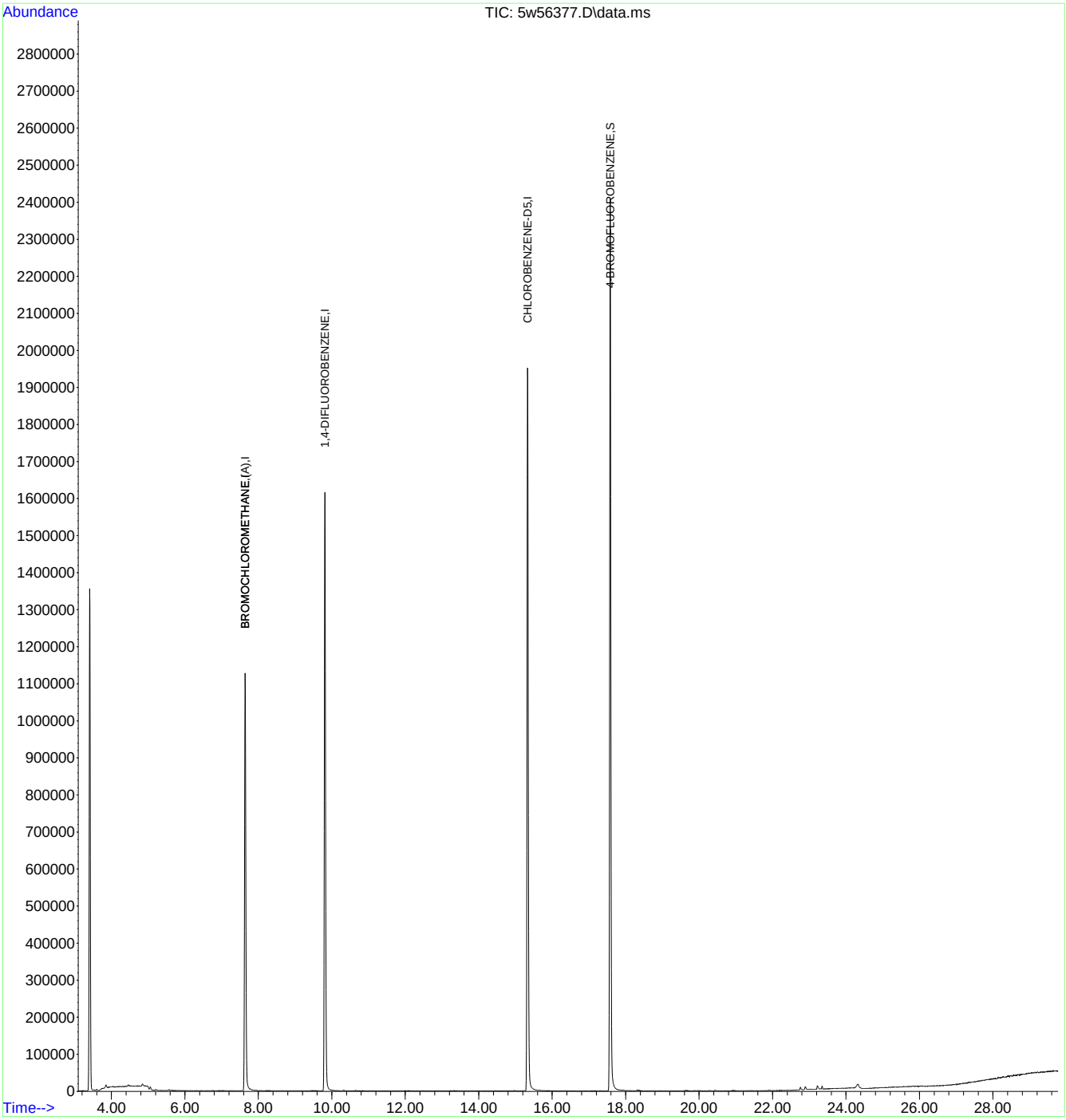
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.638	128	369040	10.00	PPBV	#-0.01
51) 1,4-DIFLUOROBENZENE	9.810	114	1670762	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	722257	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.638	128	369040	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	995915	11.71	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 117.10%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56377.D
Acq On : 24 Jan 2025 3:16 pm
Operator : williamc
Sample : mb Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:17:48 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34961.D
Acq On : 16 Feb 2025 11:36 am
Operator : benk
Sample : mb Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:43:35 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

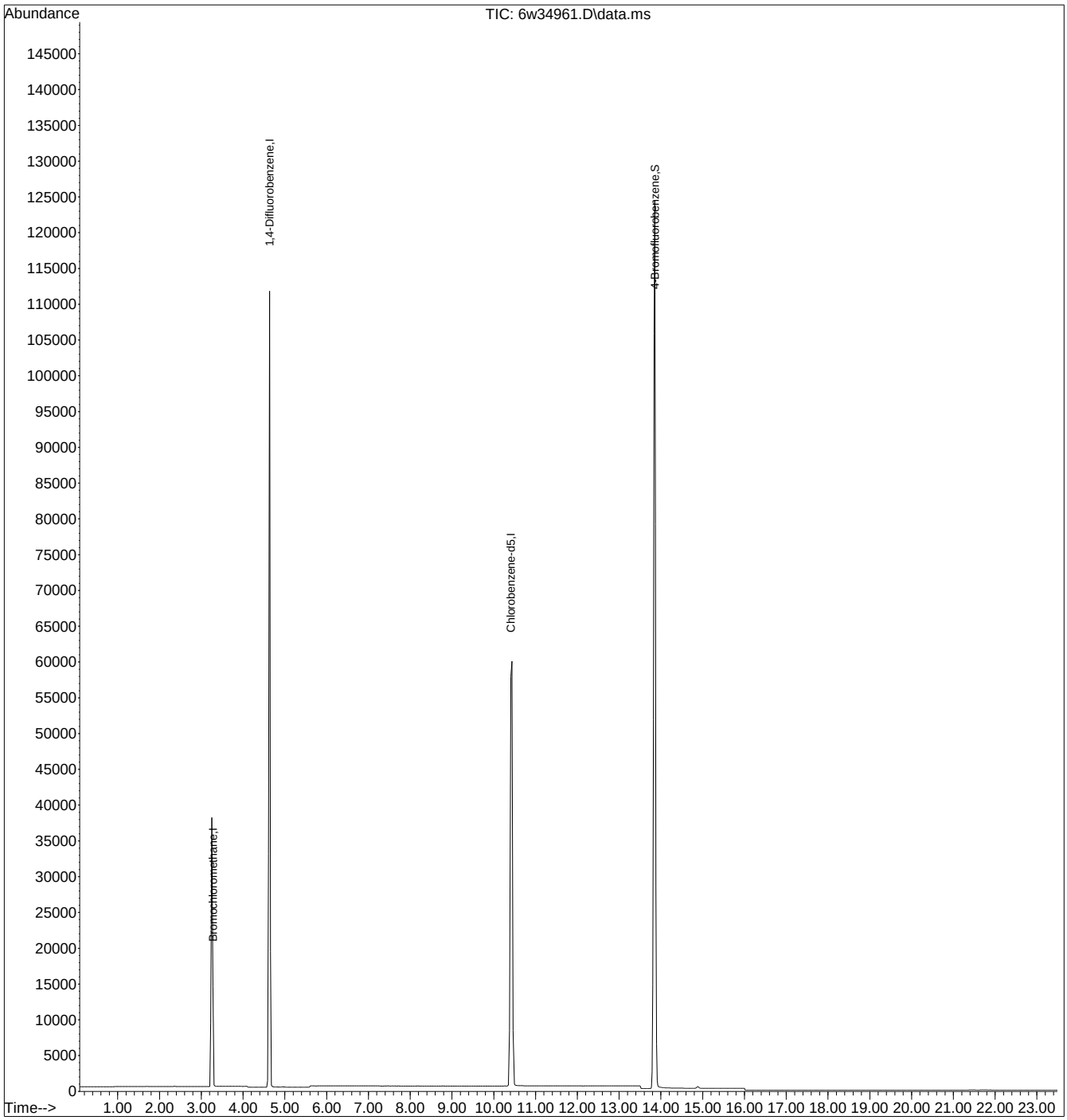
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	32777	10.00	ppb(v	# 0.00
14) 1,4-Difluorobenzene	4.633	114	176703	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	71037	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	96578	9.23	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 92.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34961.D
Acq On : 16 Feb 2025 11:36 am
Operator : benk
Sample : mb Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 10:43:35 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34753.D
Acq On : 30 Jan 2025 9:08 pm
Operator : benk
Sample : mb Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 27 03:18:25 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

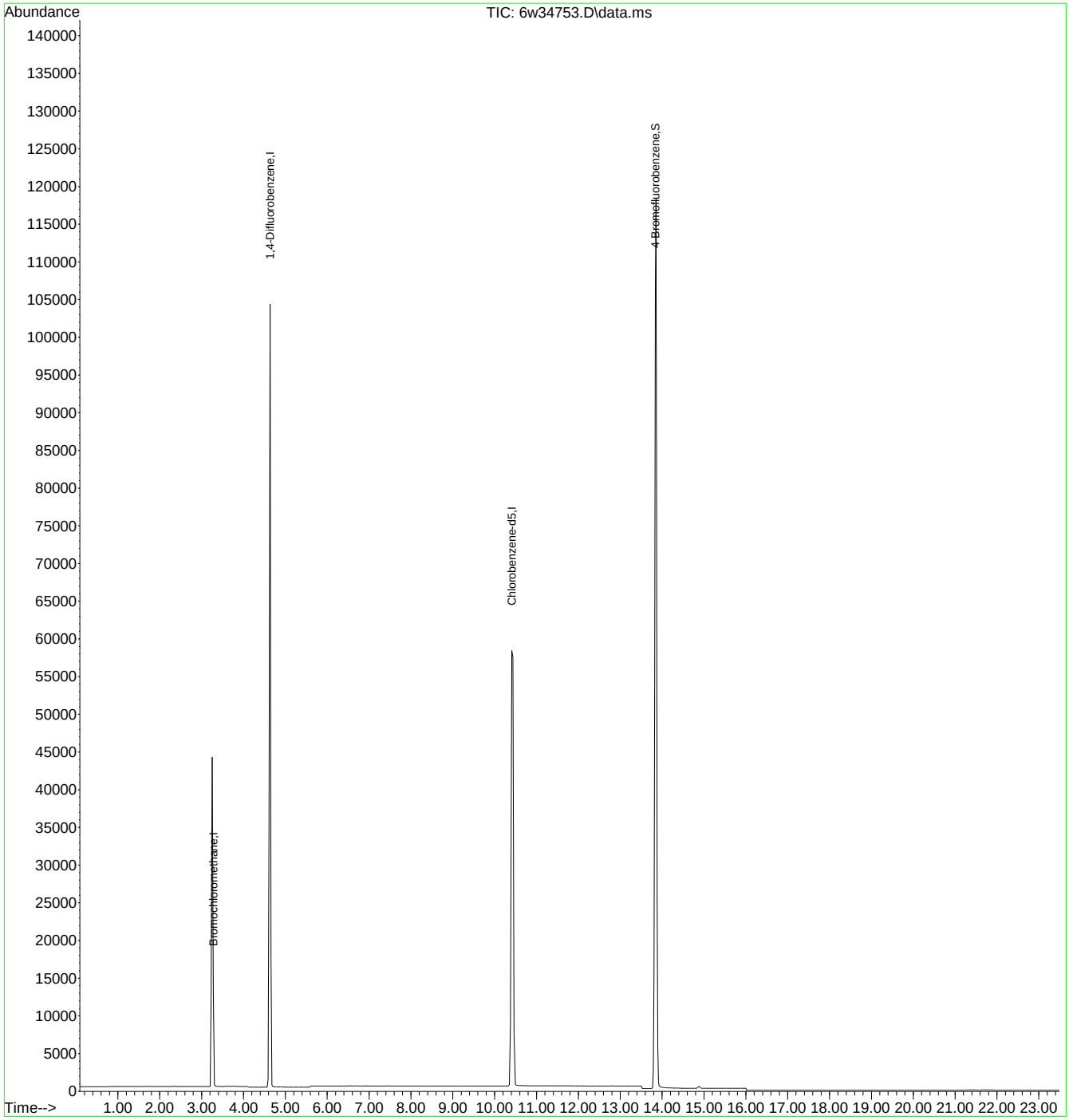
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	30057	10.00	ppb(v	# 0.00
14) 1,4-Difluorobenzene	4.633	114	163932	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	71523	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	100047	9.49	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 94.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34753.D
Acq On : 30 Jan 2025 9:08 pm
Operator : benk
Sample : mb Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 27 03:18:25 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12940.D
Acq On : 23 Feb 2025 7:33 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:11:01 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	130825	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	636465	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	592021	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	130825	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	439390	10.23	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.627	65	69587	11.1696	PPBV	93
4) CHLORODIFLUOROMETHANE	1.640	67	30817	9.7439	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.650	116	170166	11.1696	PPBV	95
6) DICHLORODIFLUOROMETHANE	1.666	85	346784	10.6314	PPBV	98
7) PROPYLENE	1.647	41	89368	10.4095	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	227204	9.4045	PPBV	97
9) FREON 114	1.740	85	298606	11.5407	PPBV	97
10) CHLOROMETHANE	1.711	52	36037	10.6422	PPBV	100
11) VINYL CHLORIDE	1.772	62	129910	11.8727	PPBV	100
12) 1,3-BUTADIENE	1.811	54	104991	11.2613	PPBV	88
13) N-BUTANE	1.824	43	180628	10.6457	PPBV	98
14) BROMOMETHANE	1.885	94	110387	11.2846	PPBV	99
15) CHLOROETHANE	1.933	64	67857	11.4596	PPBV	88
16) DICHLOROFLUOROMETHANE	1.955	67	251234	10.8913	PPBV	98
17) ACETONITRILE	2.023	41	107166	10.1919	PPBV	97
18) ACROLEIN	2.061	56	58850	10.6562	PPBV	97
19) FREON 123	2.078	83	283969	11.4077	PPBV	96
20) FREON 123A	2.094	117	177217	11.4345	PPBV	99
21) TRICHLOROFLUOROMETHANE	2.158	101	297223	10.3468	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	252443	10.4160	PPBV	98
23) ACETONE	2.100	58	68281	8.9831	PPBV	74
24) PENTANE	2.270	42	132041	11.3422	PPBV	93
25) IODOMETHANE	2.332	142	317004	12.0414	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.361	96	123513	10.8885	PPBV	89
27) CARBON DISULFIDE	2.492	76	320293	11.3383	PPBV	95
28) ETHANOL	1.962	45	81640	12.3052	PPBV	99
29) BROMOETHENE	2.033	106	116548	11.1833	PPBV	97
30) ACRYLONITRILE	2.242	52	96169	10.2223	PPBV	97
31) METHYLENE CHLORIDE	2.396	84	108328	10.4617	PPBV	94
32) 3-CHLOROPROPENE	2.438	76	55085	10.2258	PPBV	89
33) FREON 113	2.492	151	202663	11.7997	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.717	96	131657	11.1491	PPBV	92
35) TERTIARY BUTYL ALCOHOL	2.377	59	254309	9.1238	PPBV	96
36) METHYL TERTIARY BUTYL ...	2.827	73	343444	10.1705	PPBV	99
37) TETRAHYDROFURAN	3.508	72	61236	11.7023	PPBV	98
38) HEXANE	3.277	57	234904	10.9024	PPBV	92
39) VINYL ACETATE	2.862	86	31981	10.0062	PPBV	99
40) 1,1-DICHLOROETHANE	2.795	63	238565	11.2909	PPBV	99
41) METHYL ETHYL KETONE	2.955	72	65333	11.2405	PPBV	98
42) CIS-1,2-DICHLOROETHENE	3.151	96	138881	11.4183	PPBV	97
43) DIISOPROPYL ETHER	3.283	59	67144	11.2526	PPBV	97
44) ETHYL ACETATE	3.287	61	47951	11.6156	PPBV	91
45) METHYL ACRYLATE	3.274	55	272728	11.2667	PPBV #	99
46) CHLOROFORM	3.299	83	261470	10.9346	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.788	57	272983	11.4593	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	269103	10.4944	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	277370	10.9066	PPBV	97
50) 1,2-DICHLOROETHANE	3.701	62	185619	10.3681	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12940.D
Acq On : 23 Feb 2025 7:33 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:11:01 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	392318	11.2284	PPBV	98
53)	CYCLOHEXANE	4.377	84	177805	11.8243	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.630	71	90767	11.4967	PPBV	96
55)	TRICHLOROETHENE	5.061	95	184124	11.3807	PPBV	97
56)	1,2-DICHLOROPROPANE	4.830	63	160416	11.6223	PPBV	95
57)	DIBROMOMETHANE	4.791	174	175839	11.5669	PPBV	89
58)	ETHYL ACRYLATE	4.949	55	335991	11.4566	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	288945	11.2102	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	733627	11.9870	PPBV	99
61)	1,4-DIOXANE	5.077	88	97036	10.7566	PPBV	98
62)	HEPTANE	5.470	43	254271	11.8219	PPBV	98
63)	METHYL METHACRYLATE	5.367	69	149465	10.8126	PPBV	97
64)	METHYL ISOBUTYL KETONE	6.097	58	147278	11.4697	PPBV	91
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	237671	10.9955	PPBV	92
66)	TOLUENE	7.187	91	496308	11.0358	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	239231	11.3900	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	200997	9.8915	PPBV	93
69)	1,1,2-TRICHLOROETHANE	6.820	83	146065	11.8156	PPBV	99
70)	2-HEXANONE	7.759	58	201584	10.0536	PPBV	90
71)	ETHYL METHACRYLATE	7.888	69	246740	10.2670	PPBV	98
72)	TETRACHLOROETHENE	8.904	164	211347	12.4032	PPBV	96
73)	DIBROMOCHLOROMETHANE	7.717	129	309260	11.9073	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	278255	12.2956	PPBV	100
75)	OCTANE	9.058	43	355975	11.6812	PPBV	98
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	220418	11.6491	PPBV	97
78)	CHLOROBENZENE	10.109	112	426287	12.3741	PPBV	97
79)	ETHYLBENZENE	10.987	91	664970	11.4039	PPBV	98
80)	M,P-XYLENE	11.418	91	1027445	22.4776	PPBV	98
81)	O-XYLENE	12.347	91	523059	11.3937	PPBV	97
82)	STYRENE	12.135	104	415891	12.6491	PPBV	98
83)	NONANE	13.466	43	365841	11.6017	PPBV	98
84)	BROMOFORM	11.225	173	300764	13.2519	PPBV	98
85)	1,1,2,2-TETRACHLOROETHANE	12.357	83	382375	12.5155	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	285962	11.7321	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	213932	12.1979	PPBV	92
89)	BROMOBENZENE	13.720	77	359059	10.9824	PPBV	92
90)	2-CHLOROTOLUENE	14.849	126	193355	12.1194	PPBV	100
91)	N-PROPYLBENZENE	15.193	120	222915	12.5401	PPBV	98
92)	4-ETHYLTOLUENE	15.636	105	764479	11.9903	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	632502	11.7879	PPBV	96
94)	ALPHA-METHYLSTYRENE	16.215	118	327465	11.9499	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	157679	12.2782	PPBV	96
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	643990	11.8986	PPBV	95
97)	BENZYL CHLORIDE	16.627	91	408885	8.5317	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	449191	12.1678	PPBV	99
99)	P-DICHLOROBENZENE	16.691	146	459512	12.7892	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	428879	12.3034	PPBV	99
101)	SEC-BUTYLBENZENE	16.836	134	195850	12.2380	PPBV	98
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	614429	11.3334	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	210693	11.8764	PPBV	98
104)	N-BUTYLBENZENE	17.392	134	207394	11.9653	PPBV	98
105)	HEXACHLOROETHANE	17.572	117	232895	11.2786	PPBV	93
106)	HEXACHLOROBUTADIENE	18.630	225	340019	13.1126	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	383601	12.8741	PPBV	99
108)	NAPHTHALENE	18.366	128	799586	12.0908	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	607869	10.9429	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12940.D
Acq On : 23 Feb 2025 7:33 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:11:01 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

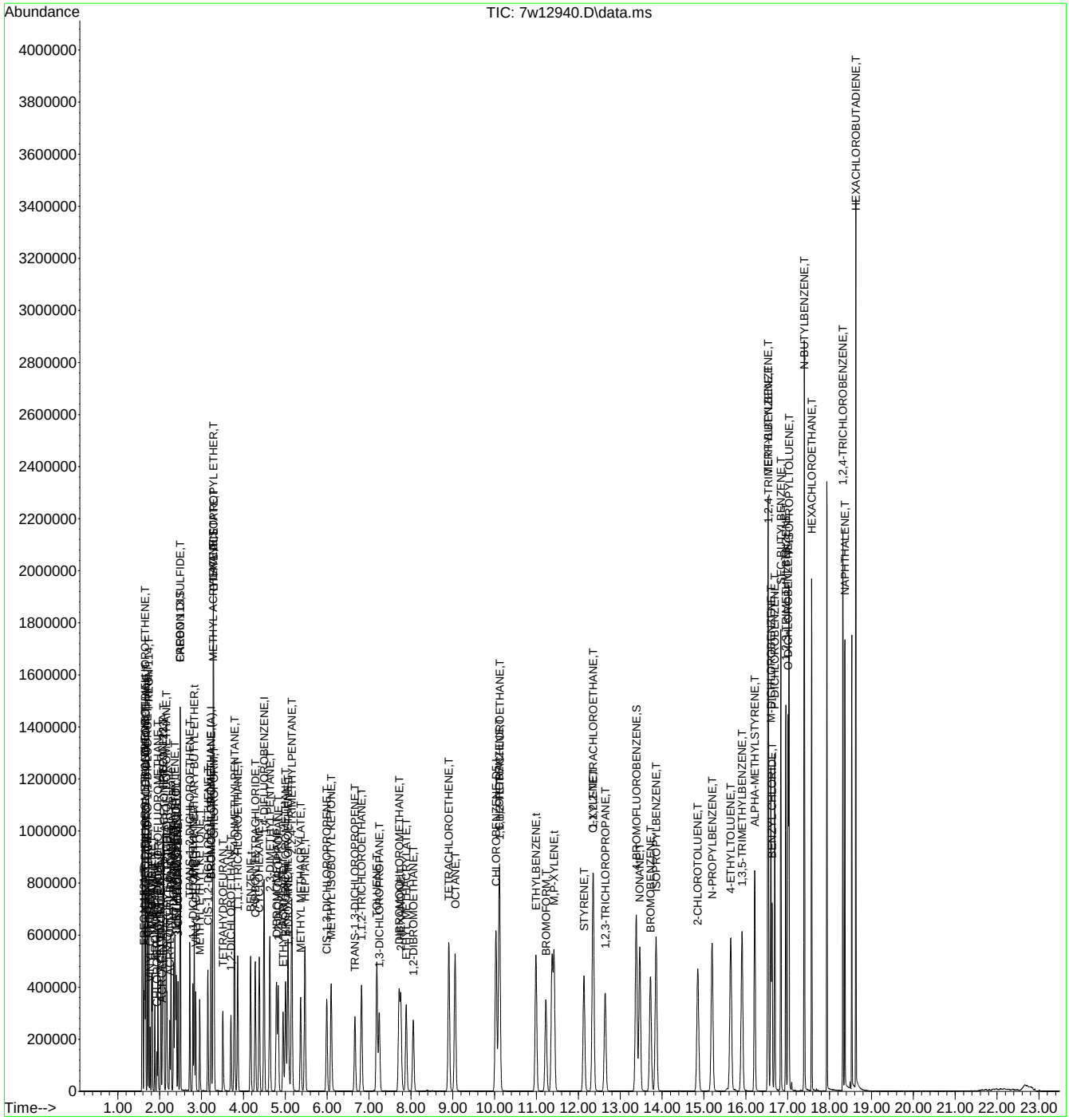
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12940.D
Acq On : 23 Feb 2025 7:33 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:11:01 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12941.D
Acq On : 23 Feb 2025 8:10 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:11:58 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	135076	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	655956	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	608432	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	135076	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	452859	10.26	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.624	65	70329	10.9334	PPBV	93
4) CHLORODIFLUOROMETHANE	1.637	67	30844	9.4455	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.650	116	171767	10.9199	PPBV	94
6) DICHLORODIFLUOROMETHANE	1.666	85	346592	10.2911	PPBV	98
7) PROPYLENE	1.647	41	90289	10.1858	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	226640	9.0859	PPBV	97
9) FREON 114	1.737	85	299266	11.2023	PPBV	97
10) CHLOROMETHANE	1.708	52	35575	10.1752	PPBV	97
11) VINYL CHLORIDE	1.769	62	129594	11.4711	PPBV	99
12) 1,3-BUTADIENE	1.807	54	102706	10.6695	PPBV	89
13) N-BUTANE	1.823	43	179962	10.2727	PPBV	98
14) BROMOMETHANE	1.881	94	111028	10.9929	PPBV	99
15) CHLOROETHANE	1.930	64	69006	11.2869	PPBV	94
16) DICHLOROFLUOROMETHANE	1.955	67	252402	10.5976	PPBV	98
17) ACETONITRILE	2.023	41	107157	9.8703	PPBV	96
18) ACROLEIN	2.061	56	58535	10.2656	PPBV	97
19) FREON 123	2.074	83	284330	11.0627	PPBV	96
20) FREON 123A	2.094	117	177023	11.0625	PPBV	99
21) TRICHLOROFLUOROMETHANE	2.158	101	297558	10.0325	PPBV	99
22) ISOPROPYL ALCOHOL	2.174	45	250196	9.9984	PPBV	98
23) ACETONE	2.100	58	68591	8.7399	PPBV	73
24) PENTANE	2.270	42	130892	10.8897	PPBV	94
25) IODOMETHANE	2.332	142	320990	11.8090	PPBV	94
26) 1,1-DICHLOROETHYLENE	2.360	96	123443	10.5398	PPBV	89
27) CARBON DISULFIDE	2.492	76	317999	10.9028	PPBV	95
28) ETHANOL	1.959	45	82040	11.9763	PPBV	99
29) BROMOETHENE	2.032	106	117590	10.9282	PPBV	98
30) ACRYLONITRILE	2.241	52	95457	9.8273	PPBV	96
31) METHYLENE CHLORIDE	2.396	84	108398	10.1390	PPBV	93
32) 3-CHLOROPROPENE	2.438	76	55683	10.0115	PPBV	88
33) FREON 113	2.492	151	203044	11.4498	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.717	96	131334	10.7717	PPBV	91
35) TERTIARY BUTYL ALCOHOL	2.373	59	255744	8.8865	PPBV	96
36) METHYL TERTIARY BUTYL ...	2.823	73	346833	9.9477	PPBV	98
37) TETRAHYDROFURAN	3.505	72	61612	11.4036	PPBV	98
38) HEXANE	3.277	57	234948	10.5613	PPBV	92
39) VINYL ACETATE	2.862	86	32750	9.9244	PPBV	96
40) 1,1-DICHLOROETHANE	2.791	63	237831	10.9020	PPBV	99
41) METHYL ETHYL KETONE	2.955	72	65905	10.9821	PPBV	97
42) CIS-1,2-DICHLOROETHENE	3.151	96	140597	11.1956	PPBV	96
43) DIISOPROPYL ETHER	3.280	59	66818	10.8456	PPBV	97
44) ETHYL ACETATE	3.286	61	47420	11.1254	PPBV	94
45) METHYL ACRYLATE	3.270	55	275441	11.0207	PPBV #	100
46) CHLOROFORM	3.299	83	264735	10.7228	PPBV	96
47) 2,4-DIMETHYLPENTANE	3.785	57	273078	11.1025	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.862	97	269923	10.1951	PPBV	98
49) CARBON TETRACHLORIDE	4.280	117	278176	10.5940	PPBV	97
50) 1,2-DICHLOROETHANE	3.701	62	186374	10.0826	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12941.D
Acq On : 23 Feb 2025 8:10 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:11:58 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	392788	10.8880	PPBV	98
53)	CYCLOHEXANE	4.376	84	178867	11.5415	PPBV	98
54)	2,3-DIMETHYLPENTANE	4.630	71	90192	11.0844	PPBV	94
55)	TRICHLOROETHENE	5.061	95	185757	11.1405	PPBV	97
56)	1,2-DICHLOROPROPANE	4.830	63	160260	11.2660	PPBV	95
57)	DIBROMOMETHANE	4.791	174	177072	11.3019	PPBV	90
58)	ETHYL ACRYLATE	4.946	55	340333	11.2598	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	288823	10.8725	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	733941	11.6358	PPBV	100
61)	1,4-DIOXANE	5.077	88	97610	10.4987	PPBV	98
62)	HEPTANE	5.470	43	253421	11.4323	PPBV	98
63)	METHYL METHACRYLATE	5.367	69	150905	10.5924	PPBV	96
64)	METHYL ISOBUTYL KETONE	6.097	58	147302	11.1308	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	239341	10.7437	PPBV	92
66)	TOLUENE	7.187	91	499400	10.7746	PPBV	99
67)	1,3-DICHLOROPROPANE	7.244	76	240276	11.0998	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	200032	9.5515	PPBV	93
69)	1,1,2-TRICHLOROETHANE	6.820	83	145319	11.4060	PPBV	98
70)	2-HEXANONE	7.756	58	201516	9.7516	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	249043	10.0549	PPBV	97
72)	TETRACHLOROETHENE	8.904	164	212331	12.0907	PPBV	96
73)	DIBROMOCHLOROMETHANE	7.717	129	307305	11.4804	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	279994	12.0048	PPBV	100
75)	OCTANE	9.058	43	353831	11.2659	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	221331	11.3818	PPBV	96
78)	CHLOROBENZENE	10.109	112	424821	11.9989	PPBV	97
79)	ETHYLBENZENE	10.987	91	667703	11.1419	PPBV	98
80)	M,P-XYLENE	11.415	91	1027559	21.8737	PPBV	99
81)	O-XYLENE	12.344	91	523439	11.0944	PPBV	97
82)	STYRENE	12.135	104	416569	12.3280	PPBV	98
83)	NONANE	13.466	43	366587	11.3118	PPBV	97
84)	BROMOFORM	11.225	173	296684	12.7195	PPBV	98
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	384329	12.2402	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	287389	11.4726	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	214021	11.8739	PPBV	92
89)	BROMOBENZENE	13.720	77	360387	10.7257	PPBV	92
90)	2-CHLOROTOLUENE	14.855	126	194434	11.8583	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	224096	12.2665	PPBV	98
92)	4-ETHYLTOLUENE	15.640	105	770082	11.7524	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	637529	11.5611	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	327740	11.6374	PPBV	99
95)	TERT-BUTYLBENZENE	16.530	134	158294	11.9937	PPBV	96
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	646987	11.6316	PPBV	95
97)	BENZYL CHLORIDE	16.627	91	412060	8.3660	PPBV	99
98)	M-DICHLOROBENZENE	16.598	146	455483	12.0054	PPBV	99
99)	P-DICHLOROBENZENE	16.691	146	461962	12.5105	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	432039	12.0598	PPBV	99
101)	SEC-BUTYLBENZENE	16.836	134	199127	12.1071	PPBV	96
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	615404	11.0452	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	213947	11.7345	PPBV	99
104)	N-BUTYLBENZENE	17.392	134	210074	11.7930	PPBV	96
105)	HEXACHLOROETHANE	17.569	117	233763	11.0153	PPBV	93
106)	HEXACHLOROBUTADIENE	18.627	225	344594	12.9306	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.315	180	386472	12.6206	PPBV	99
108)	NAPHTHALENE	18.363	128	779379	11.4674	PPBV	100
110)	TVHC as equiv Pentane	2.270	TIC	625629	10.9082	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12941.D
Acq On : 23 Feb 2025 8:10 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:11:58 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

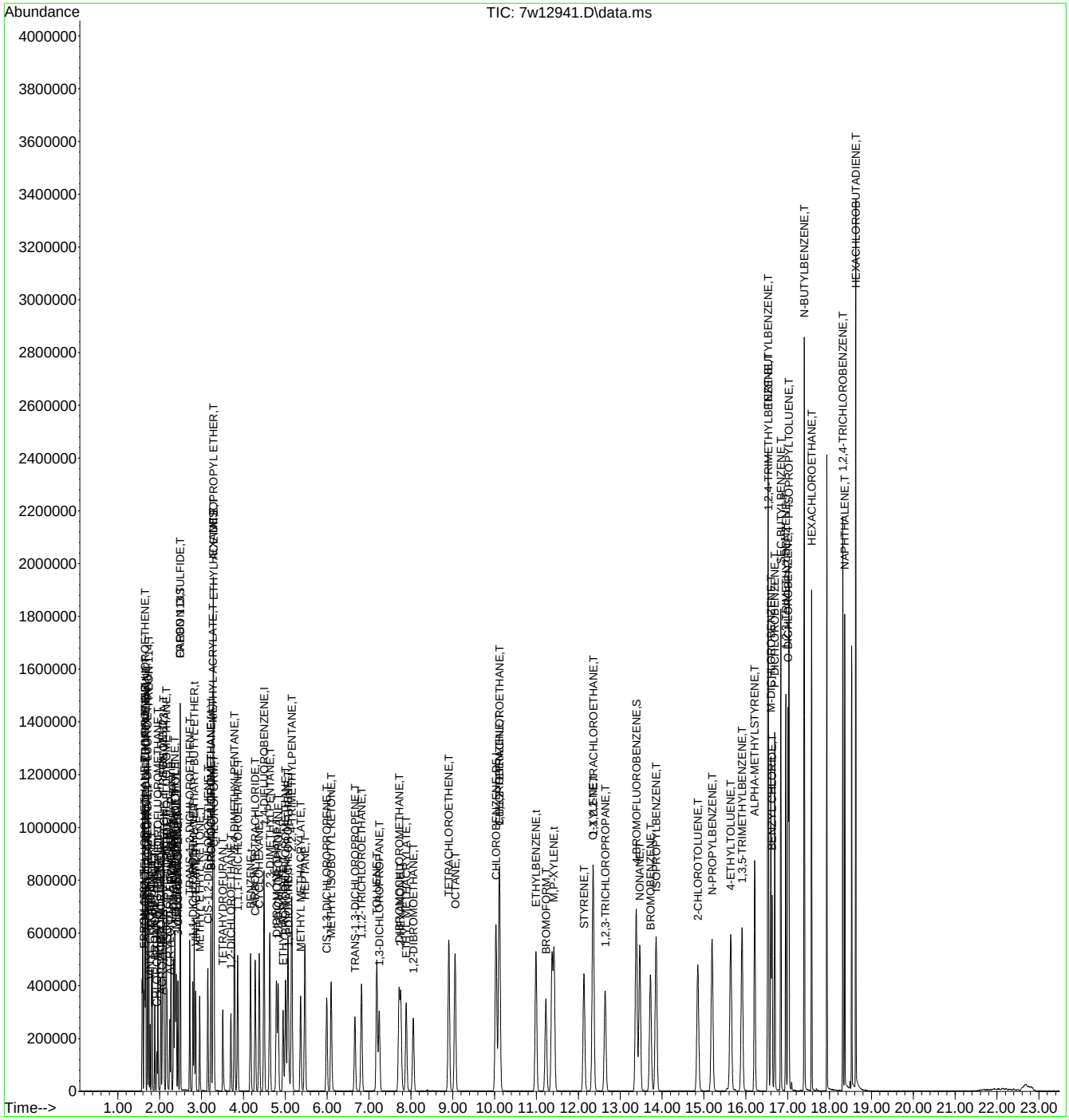
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12941.D
Acq On : 23 Feb 2025 8:10 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:11:58 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11819.D
Acq On : 16 Jan 2025 12:16 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:01:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	139744	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	704830	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	655435	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	139744	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.382	95	509277	10.71	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.627	65	73969	11.1152	PPBV	95
4) CHLORODIFLUOROMETHANE	1.640	67	36144	10.6988	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.653	116	169023	10.3865	PPBV	79
6) DICHLORODIFLUOROMETHANE	1.669	85	425453	12.2107	PPBV	99
7) PROPYLENE	1.650	41	80761	8.8066	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.704	65	335473	12.9998	PPBV	99
9) FREON 114	1.740	85	370915	13.4205	PPBV	93
10) CHLOROMETHANE	1.711	52	36912	10.2049	PPBV	97
11) VINYL CHLORIDE	1.772	62	143008	12.2356	PPBV	100
12) 1,3-BUTADIENE	1.811	54	103328	10.3756	PPBV	96
13) N-BUTANE	1.827	43	176460	9.7363	PPBV	96
14) BROMOMETHANE	1.885	94	122911	11.7629	PPBV	99
15) CHLOROETHANE	1.933	64	74868	11.8366	PPBV	96
16) DICHLOROFLUOROMETHANE	1.958	67	303777	12.3286	PPBV	100
17) ACETONITRILE	2.026	41	95842	8.5332	PPBV	99
18) ACROLEIN	2.065	56	60696	10.2890	PPBV	96
19) FREON 123	2.077	83	321636	12.0962	PPBV	96
20) FREON 123A	2.094	117	184464	11.1425	PPBV	84
21) TRICHLOROFLUOROMETHANE	2.158	101	360843	11.7598	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	242342	9.3610	PPBV	97
23) ACETONE	2.103	58	68990	8.4971	PPBV	83
24) PENTANE	2.274	42	121047	9.7342	PPBV	98
25) IODOMETHANE	2.335	142	323501	11.5039	PPBV	94
26) 1,1-DICHLOROETHYLENE	2.360	96	136509	11.2661	PPBV	98
27) CARBON DISULFIDE	2.495	76	402114	13.3262	PPBV	98
28) ETHANOL	1.962	45	62660	8.8417	PPBV	100
29) BROMOETHENE	2.032	106	125551	11.2783	PPBV	98
30) ACRYLONITRILE	2.245	52	92669	9.2216	PPBV	98
31) METHYLENE CHLORIDE	2.399	84	123493	11.1651	PPBV	92
32) 3-CHLOROPROPENE	2.441	76	69498	12.0779	PPBV	85
33) FREON 113	2.492	151	209796	11.4354	PPBV	86
34) TRANS-1,2-DICHLOROETHENE	2.720	96	145093	11.5027	PPBV	98
35) TERTIARY BUTYL ALCOHOL	2.376	59	300198	10.0828	PPBV	100
36) METHYL TERTIARY BUTYL ...	2.827	73	385684	10.6925	PPBV	98
37) TETRAHYDROFURAN	3.508	72	66739	11.9399	PPBV	87
38) HEXANE	3.280	57	241900	10.5105	PPBV	96
39) VINYL ACETATE	2.862	86	33622	9.8483	PPBV	86
40) 1,1-DICHLOROETHANE	2.794	63	252561	11.1905	PPBV	100
41) METHYL ETHYL KETONE	2.958	72	71095	11.4512	PPBV	82
42) CIS-1,2-DICHLOROETHENE	3.151	96	143968	11.0810	PPBV	100
43) DIISOPROPYL ETHER	3.283	59	69711	10.9372	PPBV	90
44) ETHYL ACETATE	3.286	61	50264	11.3988	PPBV	89
45) METHYL ACRYLATE	3.274	55	286322	11.0734	PPBV #	99
46) CHLOROFORM	3.299	83	301215	11.7928	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.788	57	276889	10.8814	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	295378	10.7839	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	288837	10.6326	PPBV	100
50) 1,2-DICHLOROETHANE	3.701	62	224003	11.7135	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11819.D
Acq On : 16 Jan 2025 12:16 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:01:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	425360	11.3971	PPBV	97
53)	CYCLOHEXANE	4.380	84	191175	11.4803	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.634	71	98024	11.2116	PPBV	95
55)	TRICHLOROETHENE	5.061	95	196750	10.9815	PPBV	93
56)	1,2-DICHLOROPROPANE	4.830	63	168366	11.0151	PPBV	100
57)	DIBROMOMETHANE	4.791	174	163307	9.7006	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	346691	10.6748	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	326291	11.4312	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.154	57	747483	11.0288	PPBV	100
61)	1,4-DIOXANE	5.077	88	104039	10.4143	PPBV	99
62)	HEPTANE	5.470	43	245556	10.3094	PPBV	92
63)	METHYL METHACRYLATE	5.367	69	162399	10.6087	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.093	58	149793	10.5341	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	267435	11.1724	PPBV	96
66)	TOLUENE	7.187	91	528449	10.6107	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	268325	11.5360	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.662	75	228465	10.1527	PPBV	95
69)	1,1,2-TRICHLOROETHANE	6.823	83	156808	11.4543	PPBV	97
70)	2-HEXANONE	7.756	58	209195	9.4212	PPBV	90
71)	ETHYL METHACRYLATE	7.888	69	268150	10.0756	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	199559	10.5754	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.720	129	298050	10.3626	PPBV	100
74)	1,2-DIBROMOETHANE	8.061	107	286262	11.4225	PPBV	100
75)	OCTANE	9.058	43	342689	10.1545	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	211840	10.1125	PPBV	93
78)	CHLOROBENZENE	10.106	112	426362	11.1788	PPBV	98
79)	ETHYLBENZENE	10.990	91	710748	11.0097	PPBV	98
80)	M,P-XYLENE	11.415	91	1125227	22.2351	PPBV	94
81)	O-XYLENE	12.341	91	574053	11.2946	PPBV	96
82)	STYRENE	12.135	104	423355	11.6304	PPBV	99
83)	NONANE	13.469	43	368542	10.5566	PPBV	96
84)	BROMOFORM	11.228	173	263995	10.5064	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	424888	12.5615	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	324484	12.0245	PPBV	100
88)	ISOPROPYLBENZENE	13.858	120	209971	10.8138	PPBV	92
89)	BROMOBENZENE	13.726	77	402626	11.1235	PPBV	91
90)	2-CHLOROTOLUENE	14.858	126	185682	10.5124	PPBV	99
91)	N-PROPYLBENZENE	15.199	120	217917	11.0729	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	817294	11.5784	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	687386	11.5713	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.215	118	336002	11.0751	PPBV	98
95)	TERT-BUTYLBENZENE	16.530	134	157936	11.1084	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	731939	12.2152	PPBV	96
97)	BENZYL CHLORIDE	16.630	91	473301	8.9203	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	441363	10.7990	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	453616	11.4036	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	429322	11.1245	PPBV	98
101)	SEC-BUTYLBENZENE	16.839	134	201772	11.3882	PPBV	83
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	710481	11.8372	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	224831	11.4472	PPBV	94
104)	N-BUTYLBENZENE	17.395	134	220673	11.4996	PPBV	77
105)	HEXACHLOROETHANE	17.572	117	242446	10.6051	PPBV	97
106)	HEXACHLOROBUTADIENE	18.633	225	392584	13.6750	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.321	180	432071	13.0979	PPBV	98
108)	NAPHTHALENE	18.369	128	941149	12.8545	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	607761	10.2427	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11819.D
Acq On : 16 Jan 2025 12:16 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:01:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

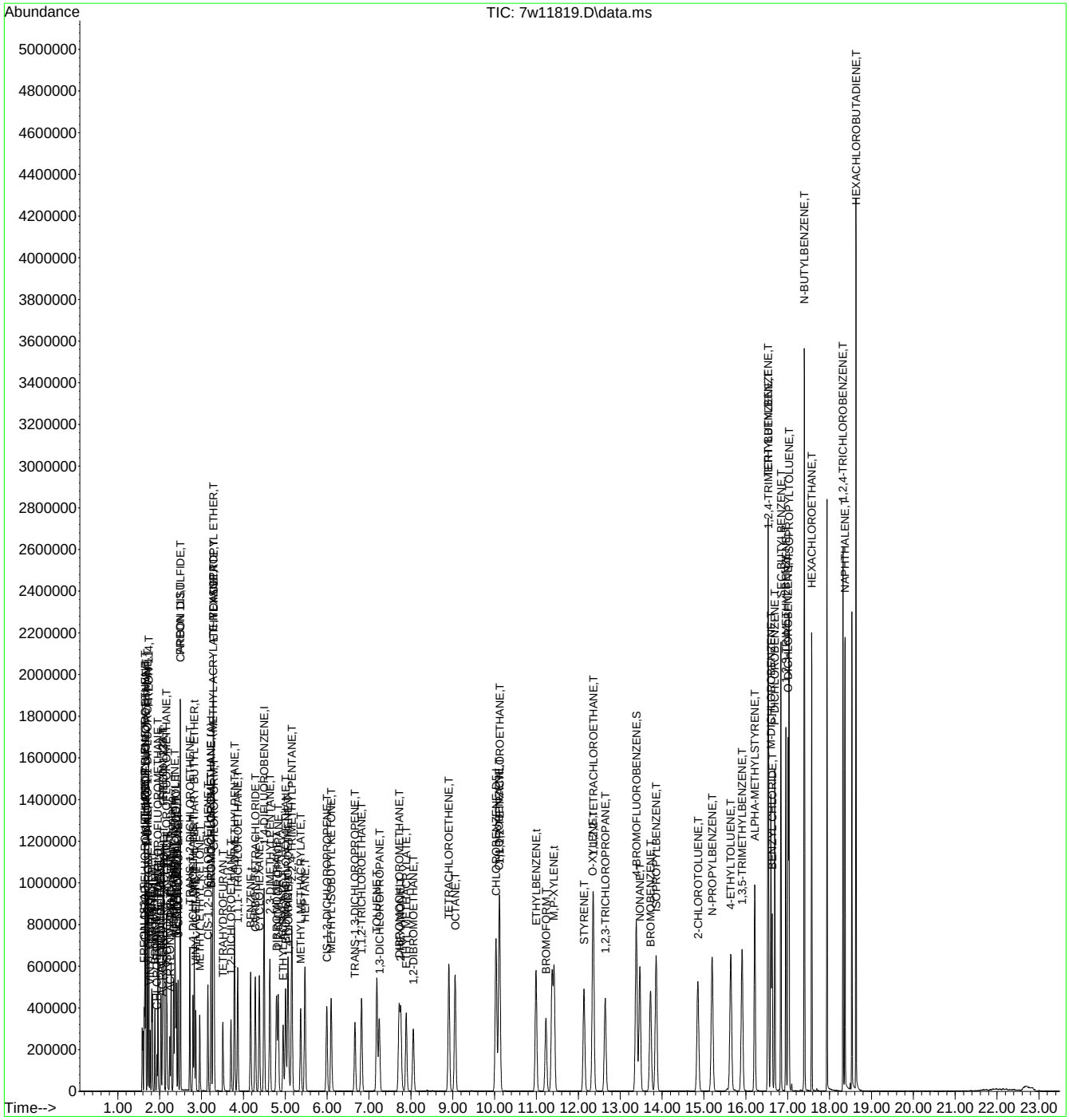
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11819.D
Acq On : 16 Jan 2025 12:16 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:01:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11820.D
Acq On : 16 Jan 2025 12:54 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:04:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	141984	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	712325	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.035	117	666523	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	141984	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	516312	10.68	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.631	65	75568	11.1763	PPBV	94
4) CHLORODIFLUOROMETHANE	1.643	67	36006	10.4898	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.653	116	171159	10.3518	PPBV	73
6) DICHLORODIFLUOROMETHANE	1.669	85	448900	12.6803	PPBV	99
7) PROPYLENE	1.653	41	82203	8.8224	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.708	65	335986	12.8143	PPBV	99
9) FREON 114	1.743	85	377634	13.4480	PPBV	92
10) CHLOROMETHANE	1.714	52	37757	10.2738	PPBV	100
11) VINYL CHLORIDE	1.775	62	141789	11.9399	PPBV	98
12) 1,3-BUTADIENE	1.814	54	104627	10.3403	PPBV	95
13) N-BUTANE	1.827	43	176684	9.5949	PPBV	96
14) BROMOMETHANE	1.888	94	123568	11.6392	PPBV	100
15) CHLOROETHANE	1.936	64	74848	11.6468	PPBV	98
16) DICHLOROFLUOROMETHANE	1.962	67	306718	12.2516	PPBV	100
17) ACETONITRILE	2.026	41	97629	8.5552	PPBV	98
18) ACROLEIN	2.065	56	60268	10.0553	PPBV	97
19) FREON 123	2.081	83	322455	11.9357	PPBV	97
20) FREON 123A	2.097	117	186729	11.1013	PPBV	84
21) TRICHLOROFLUOROMETHANE	2.161	101	368143	11.8084	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	246013	9.3529	PPBV	97
23) ACETONE	2.103	58	68997	8.3639	PPBV	83
24) PENTANE	2.277	42	122841	9.7226	PPBV	96
25) IODOMETHANE	2.335	142	316656	11.0828	PPBV	93
26) 1,1-DICHLOROETHYLENE	2.364	96	136029	11.0493	PPBV	98
27) CARBON DISULFIDE	2.496	76	408278	13.3170	PPBV	99
28) ETHANOL	1.965	45	62427	8.6698	PPBV	100
29) BROMOETHENE	2.036	106	127387	11.2627	PPBV	98
30) ACRYLONITRILE	2.245	52	93440	9.1516	PPBV	99
31) METHYLENE CHLORIDE	2.399	84	125002	11.1232	PPBV	94
32) 3-CHLOROPROPENE	2.441	76	69740	11.9288	PPBV	83
33) FREON 113	2.496	151	212179	11.3828	PPBV	85
34) TRANS-1,2-DICHLOROETHENE	2.721	96	122812	9.5827	PPBV	94
35) TERTIARY BUTYL ALCOHOL	2.377	59	305154	10.0875	PPBV	100
36) METHYL TERTIARY BUTYL ...	2.827	73	349516	9.5369	PPBV	96
37) TETRAHYDROFURAN	3.508	72	68592	12.0778	PPBV	86
38) HEXANE	3.280	57	247020	10.5637	PPBV	96
39) VINYL ACETATE	2.862	86	32760	9.4444	PPBV	75
40) 1,1-DICHLOROETHANE	2.795	63	224825	9.8044	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	73270	11.6153	PPBV	83
42) CIS-1,2-DICHLOROETHENE	3.151	96	146534	11.1006	PPBV	99
43) DIISOPROPYL ETHER	3.283	59	71967	11.1130	PPBV	88
44) ETHYL ACETATE	3.286	61	50767	11.3312	PPBV	92
45) METHYL ACRYLATE	3.274	55	294105	11.1950	PPBV #	100
46) CHLOROFORM	3.299	83	305365	11.7667	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.788	57	279807	10.8226	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	302123	10.8561	PPBV	99
49) CARBON TETRACHLORIDE	4.283	117	293067	10.6181	PPBV	100
50) 1,2-DICHLOROETHANE	3.701	62	227526	11.7100	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11820.D
Acq On : 16 Jan 2025 12:54 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:04:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	432322	11.4009	PPBV	97
53)	CYCLOHEXANE	4.380	84	194815	11.5758	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.634	71	99818	11.2967	PPBV	96
55)	TRICHLOROETHENE	5.061	95	200077	11.0497	PPBV	94
56)	1,2-DICHLOROPROPANE	4.830	63	170796	11.0565	PPBV	99
57)	DIBROMOMETHANE	4.791	174	166570	9.7903	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	356256	10.8539	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	331305	11.4847	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	760465	11.1023	PPBV	99
61)	1,4-DIOXANE	5.077	88	107137	10.6115	PPBV	97
62)	HEPTANE	5.470	43	251475	10.4468	PPBV	92
63)	METHYL METHACRYLATE	5.367	69	165283	10.6835	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.097	58	152873	10.6376	PPBV	91
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	271411	11.2192	PPBV	96
66)	TOLUENE	7.187	91	539783	10.7243	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	274185	11.6639	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	230814	10.1492	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	158817	11.4790	PPBV	98
70)	2-HEXANONE	7.759	58	210717	9.3899	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	275705	10.2505	PPBV	95
72)	TETRACHLOROETHENE	8.910	164	204955	10.7471	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.717	129	302011	10.3898	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	292003	11.5290	PPBV	99
75)	OCTANE	9.058	43	349621	10.2509	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	214982	10.0918	PPBV	94
78)	CHLOROBENZENE	10.109	112	438333	11.3015	PPBV	97
79)	ETHYLBENZENE	10.987	91	726013	11.0591	PPBV	98
80)	M,P-XYLENE	11.418	91	1144289	22.2356	PPBV	97
81)	O-XYLENE	12.347	91	584372	11.3064	PPBV	99
82)	STYRENE	12.135	104	431574	11.6589	PPBV	99
83)	NONANE	13.469	43	376880	10.6159	PPBV	96
84)	BROMOFORM	11.225	173	266055	10.4123	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	431021	12.5308	PPBV	97
86)	1,2,3-TRICHLOROPROPANE	12.643	75	329778	12.0174	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	213989	10.8374	PPBV	92
89)	BROMOBENZENE	13.720	77	410948	11.1646	PPBV	91
90)	2-CHLOROTOLUENE	14.852	126	188750	10.5084	PPBV	99
91)	N-PROPYLBENZENE	15.196	120	221137	11.0496	PPBV	98
92)	4-ETHYLTOLUENE	15.640	105	845742	11.7821	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	701379	11.6104	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	342424	11.0991	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	160774	11.1199	PPBV	92
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	738943	12.1269	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	482196	8.9367	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	450368	10.8360	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	460524	11.3846	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	437881	11.1575	PPBV	98
101)	SEC-BUTYLBENZENE	16.839	134	203447	11.2917	PPBV	82
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	717295	11.7519	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	225721	11.3013	PPBV	92
104)	N-BUTYLBENZENE	17.395	134	225061	11.5331	PPBV	79
105)	HEXACHLOROETHANE	17.572	117	247195	10.6330	PPBV	98
106)	HEXACHLOROBUTADIENE	18.630	225	383631	13.1408	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	431735	12.8700	PPBV	99
108)	NAPHTHALENE	18.366	128	926089	12.4384	PPBV	99
110)	TVHC as equiv Pentane	2.277	TIC	628278	10.4214	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11820.D
Acq On : 16 Jan 2025 12:54 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:04:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

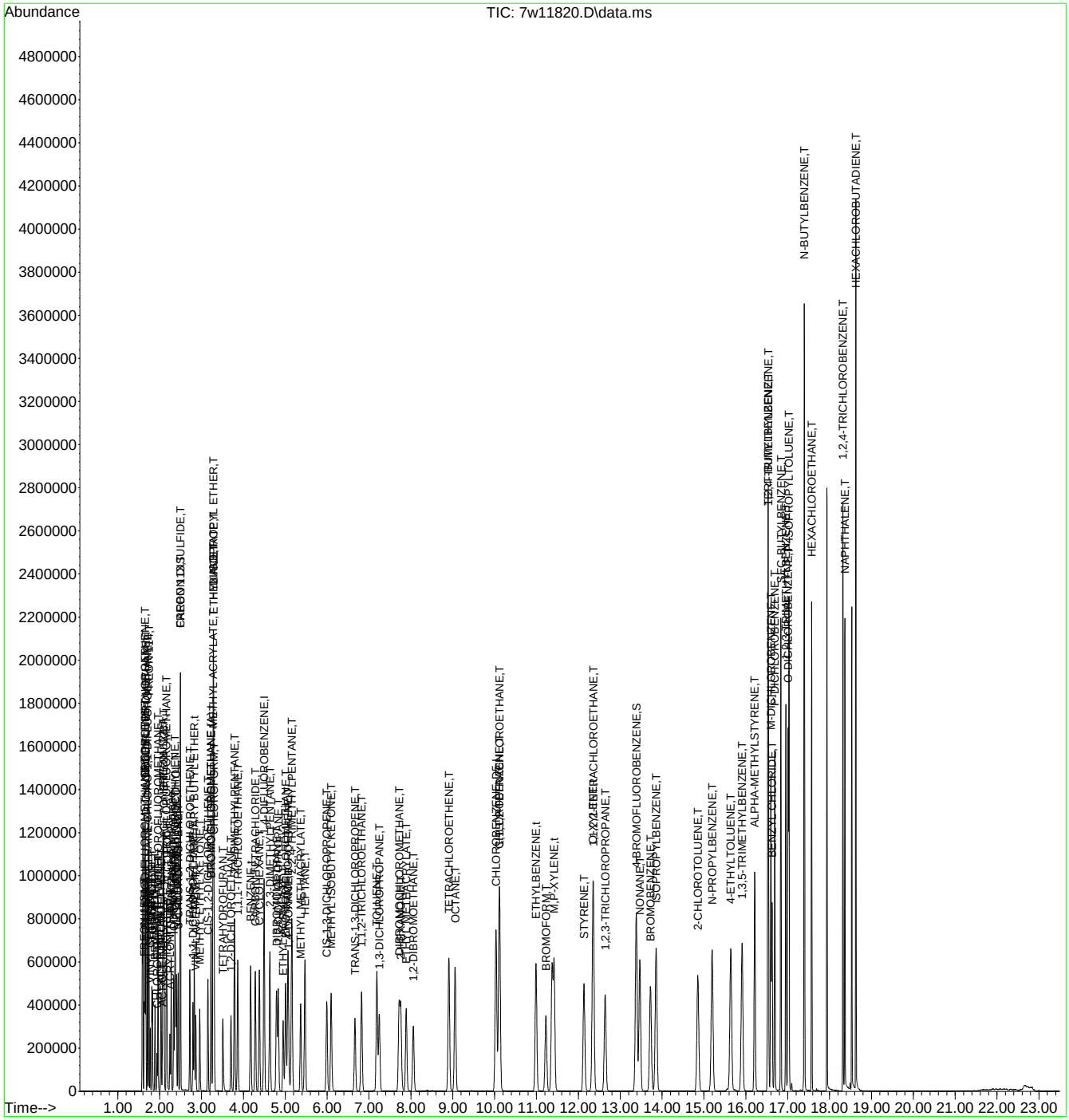
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11820.D
Acq On : 16 Jan 2025 12:54 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:04:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11931.D
Acq On : 20 Jan 2025 12:08 am
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	122697	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	623032	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	578448	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	122697	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.389	95	452631	10.78	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	68258	11.6821	PPBV	96
4) CHLORODIFLUOROMETHANE	1.640	67	33208	11.1954	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.650	116	154445	10.8093	PPBV	74
6) DICHLORODIFLUOROMETHANE	1.666	85	402604	13.1603	PPBV	99
7) PROPYLENE	1.650	41	75128	9.3305	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	320386	14.1401	PPBV	98
9) FREON 114	1.740	85	346047	14.2603	PPBV	93
10) CHLOROMETHANE	1.711	52	37380	11.7701	PPBV	99
11) VINYL CHLORIDE	1.772	62	139504	13.5941	PPBV	99
12) 1,3-BUTADIENE	1.811	54	102163	11.6839	PPBV	98
13) N-BUTANE	1.824	43	184628	11.6023	PPBV	98
14) BROMOMETHANE	1.885	94	116710	12.7213	PPBV	99
15) CHLOROETHANE	1.933	64	71387	12.8544	PPBV	88
16) DICHLOROFLUOROMETHANE	1.959	67	283093	13.0855	PPBV	99
17) ACETONITRILE	2.026	41	104012	10.5472	PPBV	99
18) ACROLEIN	2.065	56	58289	11.2538	PPBV	98
19) FREON 123	2.078	83	308010	13.1932	PPBV	96
20) FREON 123A	2.094	117	178759	12.2981	PPBV	84
21) TRICHLOROFLUOROMETHANE	2.158	101	351907	13.0620	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	252086	11.0903	PPBV	97
23) ACETONE	2.103	58	68284	9.5786	PPBV	93
24) PENTANE	2.274	42	114550	10.4916	PPBV	97
25) IODOMETHANE	2.335	142	294452	11.9256	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.361	96	122729	11.5361	PPBV	98
27) CARBON DISULFIDE	2.496	76	368904	13.9242	PPBV	99
28) ETHANOL	1.962	45	59688	9.5925	PPBV	100
29) BROMOETHENE	2.033	106	119587	12.2351	PPBV	99
30) ACRYLONITRILE	2.242	52	84998	9.6334	PPBV	98
31) METHYLENE CHLORIDE	2.399	84	112598	11.5944	PPBV	94
32) 3-CHLOROPROPENE	2.441	76	62225	12.3164	PPBV	86
33) FREON 113	2.496	151	194133	12.0518	PPBV	87
34) TRANS-1,2-DICHLOROETHENE	2.721	96	123207	11.1247	PPBV	97
35) TERTIARY BUTYL ALCOHOL	2.377	59	272863	10.4380	PPBV	99
36) METHYL TERTIARY BUTYL ...	2.827	73	305360	9.6418	PPBV	96
37) TETRAHYDROFURAN	3.509	72	60452	12.3177	PPBV	91
38) HEXANE	3.280	57	223840	11.0771	PPBV	97
39) VINYL ACETATE	2.862	86	27643	9.2219	PPBV	70
40) 1,1-DICHLOROETHANE	2.795	63	202177	10.2026	PPBV	100
41) METHYL ETHYL KETONE	2.959	72	59330	10.8839	PPBV	76
42) CIS-1,2-DICHLOROETHENE	3.152	96	132132	11.5830	PPBV	99
43) DIISOPROPYL ETHER	3.283	59	65574	11.7175	PPBV	87
44) ETHYL ACETATE	3.287	61	46727	12.0689	PPBV	90
45) METHYL ACRYLATE	3.274	55	268900	11.8445	PPBV #	100
46) CHLOROFORM	3.300	83	276916	12.3477	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.788	57	254701	11.4001	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	272053	11.3123	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	265781	11.1432	PPBV	100
50) 1,2-DICHLOROETHANE	3.705	62	205763	12.2546	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11931.D
Acq On : 20 Jan 2025 12:08 am
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	389084	11.8735	PPBV	98
53)	CYCLOHEXANE	4.380	84	175707	11.9367	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.634	71	89659	11.6012	PPBV	97
55)	TRICHLOROETHENE	5.061	95	179751	11.3499	PPBV	94
56)	1,2-DICHLOROPROPANE	4.833	63	154596	11.4422	PPBV	100
57)	DIBROMOMETHANE	4.791	174	147966	9.9433	PPBV	93
58)	ETHYL ACRYLATE	4.949	55	325641	11.3431	PPBV	100
59)	BROMODICHLOROMETHANE	5.010	83	303069	12.0116	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	690386	11.5237	PPBV	99
61)	1,4-DIOXANE	5.078	88	94276	10.6760	PPBV	99
62)	HEPTANE	5.473	43	230093	10.9285	PPBV	93
63)	METHYL METHACRYLATE	5.367	69	150828	11.1464	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.097	58	138767	11.0399	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	245912	11.6221	PPBV	96
66)	TOLUENE	7.187	91	484332	11.0017	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	248639	12.0931	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	209303	10.5224	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	143768	11.8806	PPBV	97
70)	2-HEXANONE	7.759	58	191715	9.7675	PPBV	92
71)	ETHYL METHACRYLATE	7.888	69	250709	10.6570	PPBV	96
72)	TETRACHLOROETHENE	8.907	164	186910	11.2056	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	277794	10.9264	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	263878	11.9117	PPBV	100
75)	OCTANE	9.055	43	318083	10.6629	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	193716	10.4781	PPBV	92
78)	CHLOROBENZENE	10.106	112	391970	11.6449	PPBV	97
79)	ETHYLBENZENE	10.991	91	650951	11.4254	PPBV	98
80)	M,P-XYLENE	11.418	91	1027308	23.0019	PPBV	94
81)	O-XYLENE	12.347	91	527942	11.7699	PPBV	99
82)	STYRENE	12.135	104	389487	12.1240	PPBV	99
83)	NONANE	13.470	43	345195	11.2039	PPBV	97
84)	BROMOFORM	11.225	173	249618	11.2564	PPBV	98
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	392490	13.1480	PPBV	97
86)	1,2,3-TRICHLOROPROPANE	12.640	75	298433	12.5310	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	191244	11.1602	PPBV	91
89)	BROMOBENZENE	13.724	77	373945	11.7061	PPBV	90
90)	2-CHLOROTOLUENE	14.859	126	171023	10.9712	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	198455	11.4261	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	748798	12.0199	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	627486	11.9688	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	308231	11.5120	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	144077	11.4823	PPBV	89
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	672040	12.7082	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	431983	9.2251	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	407698	11.3030	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	415117	11.8247	PPBV	98
100)	O-DICHLOROBENZENE	17.006	146	393654	11.5579	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	183460	11.7328	PPBV	81
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	648805	12.2483	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	203450	11.7372	PPBV	91
104)	N-BUTYLBENZENE	17.392	134	199962	11.8072	PPBV	75
105)	HEXACHLOROETHANE	17.569	117	220223	10.9151	PPBV	98
106)	HEXACHLOROBUTADIENE	18.620	225	347720	13.7243	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.312	180	387195	13.2997	PPBV	99
108)	NAPHTHALENE	18.360	128	845860	13.0907	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	573781	11.0135	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11931.D
Acq On : 20 Jan 2025 12:08 am
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

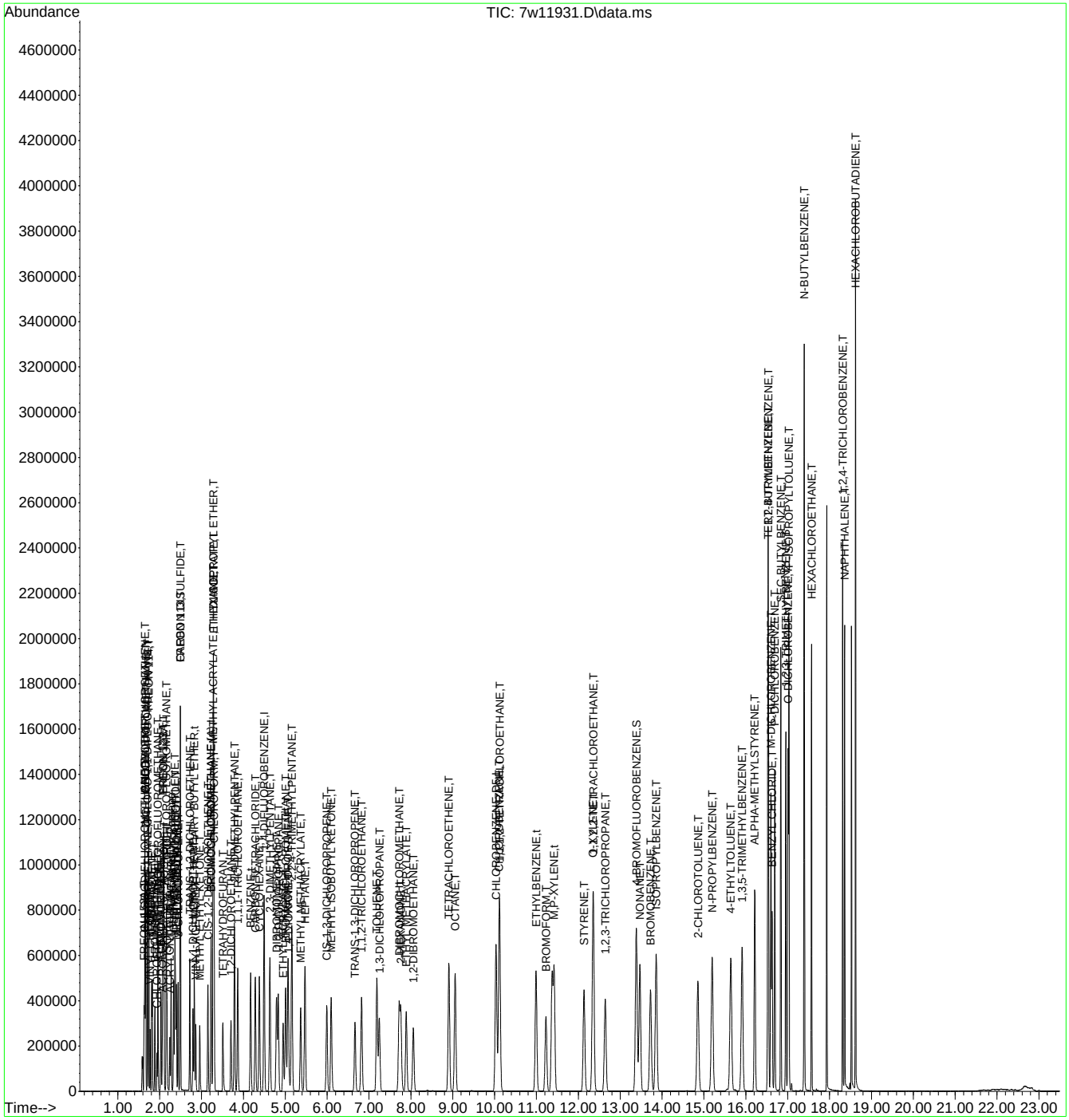
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11931.D
Acq On : 20 Jan 2025 12:08 am
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11932.D
Acq On : 20 Jan 2025 12:46 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:52 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	126664	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	642173	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.035	117	598519	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	126670	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	467206	10.76	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.627	65	68900	11.4226	PPBV	94
4) CHLORODIFLUOROMETHANE	1.640	67	33906	11.0727	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.653	116	155909	10.5700	PPBV	74
6) DICHLORODIFLUOROMETHANE	1.669	85	405998	12.8556	PPBV	99
7) PROPYLENE	1.650	41	75623	9.0979	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.708	65	323305	13.8220	PPBV	98
9) FREON 114	1.740	85	350004	13.9716	PPBV	93
10) CHLOROMETHANE	1.711	52	37006	11.2874	PPBV	98
11) VINYL CHLORIDE	1.772	62	137383	12.9682	PPBV	98
12) 1,3-BUTADIENE	1.811	54	103937	11.5145	PPBV	97
13) N-BUTANE	1.827	43	185847	11.3131	PPBV	98
14) BROMOMETHANE	1.888	94	117496	12.4059	PPBV	99
15) CHLOROETHANE	1.936	64	72454	12.6379	PPBV	98
16) DICHLOROFLUOROMETHANE	1.959	67	295747	13.2422	PPBV	100
17) ACETONITRILE	2.026	41	90803	8.9194	PPBV	98
18) ACROLEIN	2.065	56	54457	10.1847	PPBV	99
19) FREON 123	2.081	83	297260	12.3339	PPBV	96
20) FREON 123A	2.097	117	172290	11.4818	PPBV	85
21) TRICHLOROFLUOROMETHANE	2.161	101	335233	12.0534	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	223216	9.5126	PPBV	96
23) ACETONE	2.103	58	63824	8.6726	PPBV	83
24) PENTANE	2.277	42	112520	9.9829	PPBV	97
25) IODOMETHANE	2.335	142	294283	11.5455	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.364	96	124795	11.3629	PPBV	98
27) CARBON DISULFIDE	2.496	76	373000	13.6379	PPBV	99
28) ETHANOL	1.965	45	61538	9.5800	PPBV	100
29) BROMOETHENE	2.036	106	115091	11.4063	PPBV	97
30) ACRYLONITRILE	2.245	52	85247	9.3590	PPBV	98
31) METHYLENE CHLORIDE	2.399	84	114150	11.3861	PPBV	94
32) 3-CHLOROPROPENE	2.441	76	63738	12.2208	PPBV	83
33) FREON 113	2.496	151	193403	11.6304	PPBV	86
34) TRANS-1,2-DICHLOROETHENE	2.721	96	129036	11.2861	PPBV	97
35) TERTIARY BUTYL ALCOHOL	2.377	59	274216	10.1612	PPBV	100
36) METHYL TERTIARY BUTYL ...	2.830	73	358313	10.9594	PPBV	97
37) TETRAHYDROFURAN	3.508	72	62160	12.2691	PPBV	89
38) HEXANE	3.280	57	226400	10.8529	PPBV	97
39) VINYL ACETATE	2.865	86	31786	10.2719	PPBV	86
40) 1,1-DICHLOROETHANE	2.795	63	236664	11.5689	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	66126	11.7507	PPBV	85
42) CIS-1,2-DICHLOROETHENE	3.155	96	133332	11.3222	PPBV	98
43) DIISOPROPYL ETHER	3.283	59	65513	11.3400	PPBV	90
44) ETHYL ACETATE	3.290	61	46509	11.6364	PPBV	94
45) METHYL ACRYLATE	3.277	55	271935	11.6030	PPBV #	100
46) CHLOROFORM	3.303	83	278219	12.0173	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.788	57	257111	11.1476	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	275847	11.1108	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	269182	10.9323	PPBV	100
50) 1,2-DICHLOROETHANE	3.704	62	208025	12.0013	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11932.D
Acq On : 20 Jan 2025 12:46 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:52 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	395509	11.6916	PPBV	98
53)	CYCLOHEXANE	4.383	84	176953	11.6630	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.634	71	90085	11.3089	PPBV	98
55)	TRICHLOROETHENE	5.065	95	184165	11.2820	PPBV	93
56)	1,2-DICHLOROPROPANE	4.833	63	158332	11.3694	PPBV	99
57)	DIBROMOMETHANE	4.794	174	150766	9.8294	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	332409	11.2337	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	303545	11.6719	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	700082	11.3372	PPBV	100
61)	1,4-DIOXANE	5.077	88	97257	10.6853	PPBV	98
62)	HEPTANE	5.473	43	232746	10.7250	PPBV	93
63)	METHYL METHACRYLATE	5.370	69	153532	11.0081	PPBV	91
64)	METHYL ISOBUTYL KETONE	6.097	58	141004	10.8835	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	249005	11.4175	PPBV	95
66)	TOLUENE	7.190	91	493396	10.8735	PPBV	99
67)	1,3-DICHLOROPROPANE	7.248	76	251861	11.8847	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	212755	10.3771	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.823	83	146726	11.7636	PPBV	97
70)	2-HEXANONE	7.762	58	194953	9.6365	PPBV	91
71)	ETHYL METHACRYLATE	7.891	69	254823	10.5090	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	187216	10.8894	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.720	129	279614	10.6701	PPBV	100
74)	1,2-DIBROMOETHANE	8.061	107	266064	11.6524	PPBV	100
75)	OCTANE	9.058	43	322931	10.5027	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	196674	10.2813	PPBV	93
78)	CHLOROBENZENE	10.106	112	395946	11.3686	PPBV	97
79)	ETHYLBENZENE	10.987	91	661299	11.2178	PPBV	98
80)	M,P-XYLENE	11.418	91	1045891	22.6327	PPBV	98
81)	O-XYLENE	12.347	91	535036	11.5280	PPBV	99
82)	STYRENE	12.135	104	393662	11.8431	PPBV	98
83)	NONANE	13.469	43	346849	10.8800	PPBV	97
84)	BROMOFORM	11.225	173	252073	10.9860	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	395755	12.8128	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	303371	12.3112	PPBV	100
88)	ISOPROPYLBENZENE	13.858	120	193514	10.9139	PPBV	90
89)	BROMOBENZENE	13.720	77	379407	11.4788	PPBV	90
90)	2-CHLOROTOLUENE	14.855	126	173544	10.7596	PPBV	100
91)	N-PROPYLBENZENE	15.199	120	202108	11.2462	PPBV	99
92)	4-ETHYLTOLUENE	15.643	105	769243	11.9340	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	637660	11.7550	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.215	118	314333	11.3462	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	146762	11.3041	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	678441	12.3991	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	441059	9.1031	PPBV	96
98)	M-DICHLOROBENZENE	16.598	146	410491	10.9988	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	420059	11.5642	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	398997	11.3219	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	185400	11.4592	PPBV	82
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	661005	12.0602	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	206370	11.5064	PPBV	93
104)	N-BUTYLBENZENE	17.392	134	204677	11.6803	PPBV	78
105)	HEXACHLOROETHANE	17.569	117	223421	10.7023	PPBV	97
106)	HEXACHLOROBUTADIENE	18.620	225	349353	13.3263	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.315	180	388094	12.8835	PPBV	99
108)	NAPHTHALENE	18.360	128	847098	12.6702	PPBV	100
110)	TVHC as equiv Pentane	2.277	TIC	572490	10.6441	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11932.D
Acq On : 20 Jan 2025 12:46 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:52 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

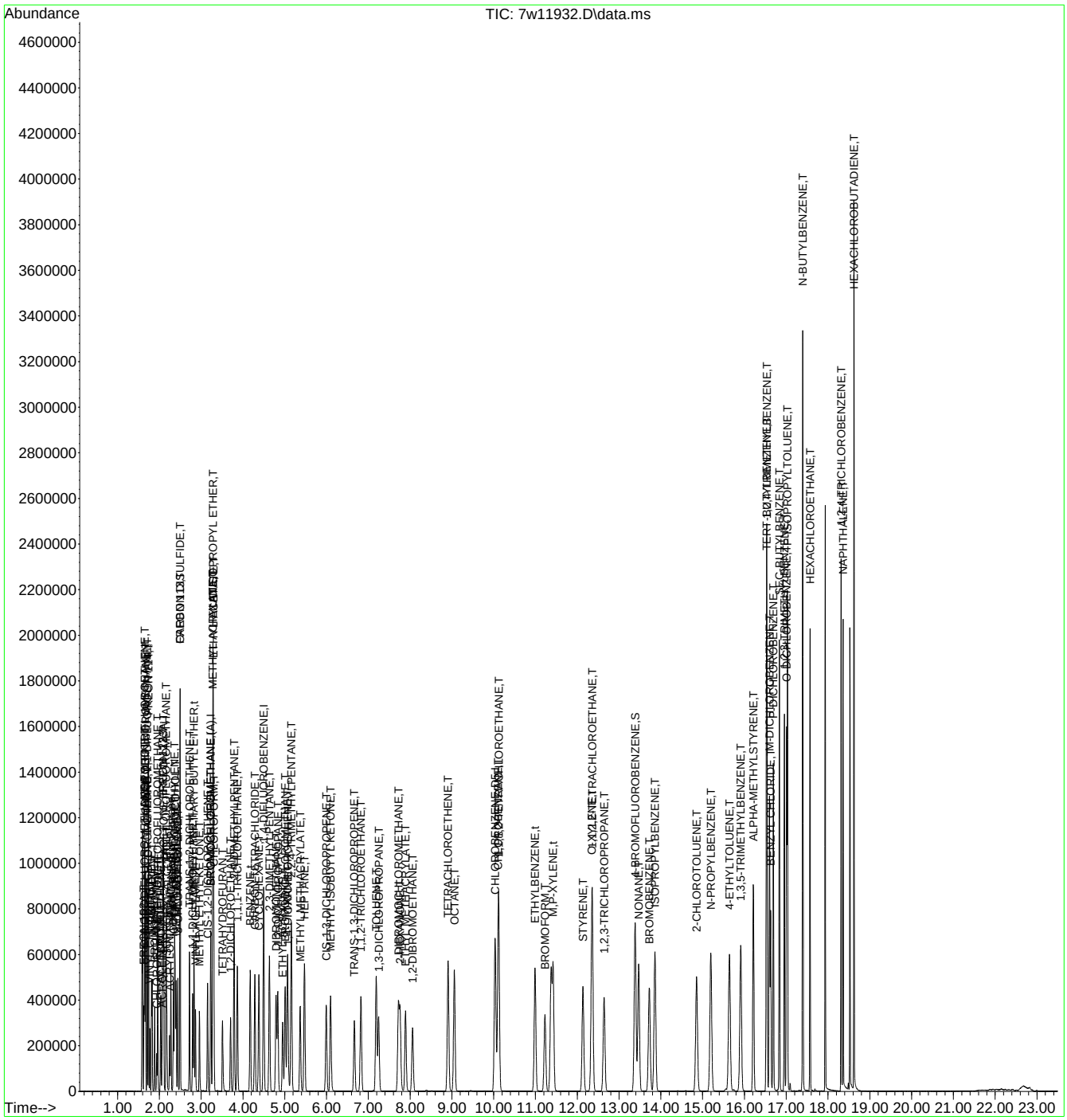
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11932.D
Acq On : 20 Jan 2025 12:46 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:52 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11968.D
Acq On : 21 Jan 2025 10:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:01:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.222	128	127191	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.489	114	644516	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	596499	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.222	128	127191	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.379	95	466570	10.78	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	70962	11.7157	PPBV		95
4) CHLORODIFLUOROMETHANE	1.637	67	34380	11.1810	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.650	116	158814	10.7223	PPBV		74
6) DICHLORODIFLUOROMETHANE	1.666	85	414607	13.0738	PPBV		99
7) PROPYLENE	1.647	41	79598	9.5364	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.701	65	326864	13.9162	PPBV		98
9) FREON 114	1.737	85	356041	14.1537	PPBV		93
10) CHLOROMETHANE	1.708	52	38167	11.5933	PPBV		99
11) VINYL CHLORIDE	1.769	62	139804	13.1420	PPBV		98
12) 1,3-BUTADIENE	1.807	54	105303	11.6175	PPBV		97
13) N-BUTANE	1.824	43	189704	11.5001	PPBV		98
14) BROMOMETHANE	1.881	94	118491	12.4591	PPBV		100
15) CHLOROETHANE	1.930	64	73501	12.7674	PPBV	#	88
16) DICHLOROFLUOROMETHANE	1.955	67	301412	13.4399	PPBV		99
17) ACETONITRILE	2.020	41	106843	10.4515	PPBV		98
18) ACROLEIN	2.058	56	59106	11.0083	PPBV		97
19) FREON 123	2.074	83	316371	13.0725	PPBV		96
20) FREON 123A	2.090	117	182907	12.1388	PPBV		85
21) TRICHLOROFLUOROMETHANE	2.155	101	360746	12.9170	PPBV		100
22) ISOPROPYL ALCOHOL	2.171	45	262040	11.1209	PPBV		98
23) ACETONE	2.097	58	69998	9.4721	PPBV		94
24) PENTANE	2.267	42	132664	11.7213	PPBV		98
25) IODOMETHANE	2.328	142	312180	12.1969	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.357	96	131466	11.9207	PPBV		98
27) CARBON DISULFIDE	2.489	76	388845	14.1583	PPBV		100
28) ETHANOL	1.959	45	65953	10.2248	PPBV		100
29) BROMOETHENE	2.029	106	121870	12.0281	PPBV		99
30) ACRYLONITRILE	2.238	52	94454	10.3269	PPBV		97
31) METHYLENE CHLORIDE	2.393	84	121096	12.0289	PPBV		98
32) 3-CHLOROPROPENE	2.434	76	67102	12.8125	PPBV		93
33) FREON 113	2.486	151	199757	11.9628	PPBV		88
34) TRANS-1,2-DICHLOROETHENE	2.714	96	134511	11.7162	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.370	59	304075	11.2209	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.820	73	363843	11.0825	PPBV		98
37) TETRAHYDROFURAN	3.502	72	62067	12.2000	PPBV		91
38) HEXANE	3.274	57	229556	10.9586	PPBV		97
39) VINYL ACETATE	2.856	86	31238	10.0530	PPBV		88
40) 1,1-DICHLOROETHANE	2.788	63	238745	11.6223	PPBV		99
41) METHYL ETHYL KETONE	2.952	72	67235	11.8982	PPBV		86
42) CIS-1,2-DICHLOROETHENE	3.148	96	135407	11.4507	PPBV		99
43) DIISOPROPYL ETHER	3.280	59	67228	11.5886	PPBV		88
44) ETHYL ACETATE	3.280	61	48383	12.0551	PPBV		89
45) METHYL ACRYLATE	3.267	55	274468	11.6626	PPBV	#	99
46) CHLOROFORM	3.293	83	283945	12.2138	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.782	57	261316	11.2829	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.859	97	282025	11.3126	PPBV		99
49) CARBON TETRACHLORIDE	4.277	117	277463	11.2220	PPBV		100
50) 1,2-DICHLOROETHANE	3.698	62	211848	12.1712	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11968.D
Acq On : 21 Jan 2025 10:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:01:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.168	78	403672	11.8834	PPBV	97
53)	CYCLOHEXANE	4.377	84	178619	11.7300	PPBV	98
54)	2,3-DIMETHYLPENTANE	4.627	71	92510	11.5711	PPBV	97
55)	TRICHLOROETHENE	5.058	95	185649	11.3316	PPBV	93
56)	1,2-DICHLOROPROPANE	4.827	63	159112	11.3839	PPBV	100
57)	DIBROMOMETHANE	4.785	174	154279	10.0219	PPBV	94
58)	ETHYL ACRYLATE	4.942	55	334515	11.2638	PPBV	99
59)	BROMODICHLOROMETHANE	5.003	83	310857	11.9096	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.151	57	710019	11.4564	PPBV	100
61)	1,4-DIOXANE	5.074	88	96467	10.5600	PPBV	99
62)	HEPTANE	5.466	43	237411	10.9002	PPBV	94
63)	METHYL METHACRYLATE	5.364	69	155043	11.0760	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.090	58	141872	10.9107	PPBV	93
65)	CIS-1,3-DICHLOROPROPENE	5.987	75	253885	11.5989	PPBV	96
66)	TOLUENE	7.183	91	499565	10.9695	PPBV	100
67)	1,3-DICHLOROPROPANE	7.241	76	255406	12.0082	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.659	75	217069	10.5490	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.817	83	148695	11.8781	PPBV	97
70)	2-HEXANONE	7.753	58	198719	9.7869	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	258053	10.6036	PPBV	96
72)	TETRACHLOROETHENE	8.904	164	194715	11.2844	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.717	129	285361	10.8498	PPBV	100
74)	1,2-DIBROMOETHANE	8.055	107	272172	11.8766	PPBV	100
75)	OCTANE	9.055	43	328538	10.6462	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	201554	10.5721	PPBV	93
78)	CHLOROBENZENE	10.109	112	404970	11.6670	PPBV	97
79)	ETHYLBENZENE	10.987	91	673236	11.4590	PPBV	98
80)	M,P-XYLENE	11.418	91	1062925	23.0792	PPBV	98
81)	O-XYLENE	12.344	91	545441	11.7920	PPBV	97
82)	STYRENE	12.135	104	402169	12.1400	PPBV	99
83)	NONANE	13.466	43	353459	11.1249	PPBV	96
84)	BROMOFORM	11.225	173	255189	11.1594	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.357	83	402145	13.0638	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	308487	12.5612	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	199413	11.2847	PPBV	92
89)	BROMOBENZENE	13.723	77	383682	11.6475	PPBV	90
90)	2-CHLOROTOLUENE	14.852	126	176597	10.9859	PPBV	100
91)	N-PROPYLBENZENE	15.193	120	206512	11.5301	PPBV	99
92)	4-ETHYLTOLUENE	15.643	105	780474	12.1492	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	650448	12.0313	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	320560	11.6101	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	149319	11.5400	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	692887	12.7060	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	459234	9.5103	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	423645	11.3897	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	428941	11.8487	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	408849	11.6408	PPBV	98
101)	SEC-BUTYLBENZENE	16.839	134	190634	11.8226	PPBV	82
102)	1,2,3-TRIMETHYLBENZENE	16.958	105	673445	12.3288	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	211756	11.8467	PPBV	93
104)	N-BUTYLBENZENE	17.395	134	208427	11.9346	PPBV	77
105)	HEXACHLOROETHANE	17.575	117	229300	11.0211	PPBV	97
106)	HEXACHLOROBUTADIENE	18.633	225	368478	14.1034	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.321	180	406625	13.5444	PPBV	99
108)	NAPHTHALENE	18.369	128	882306	13.2415	PPBV	99
110)	TVHC as equiv Pentane	2.267	TIC	671608	12.4358	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11968.D
Acq On : 21 Jan 2025 10:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:01:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

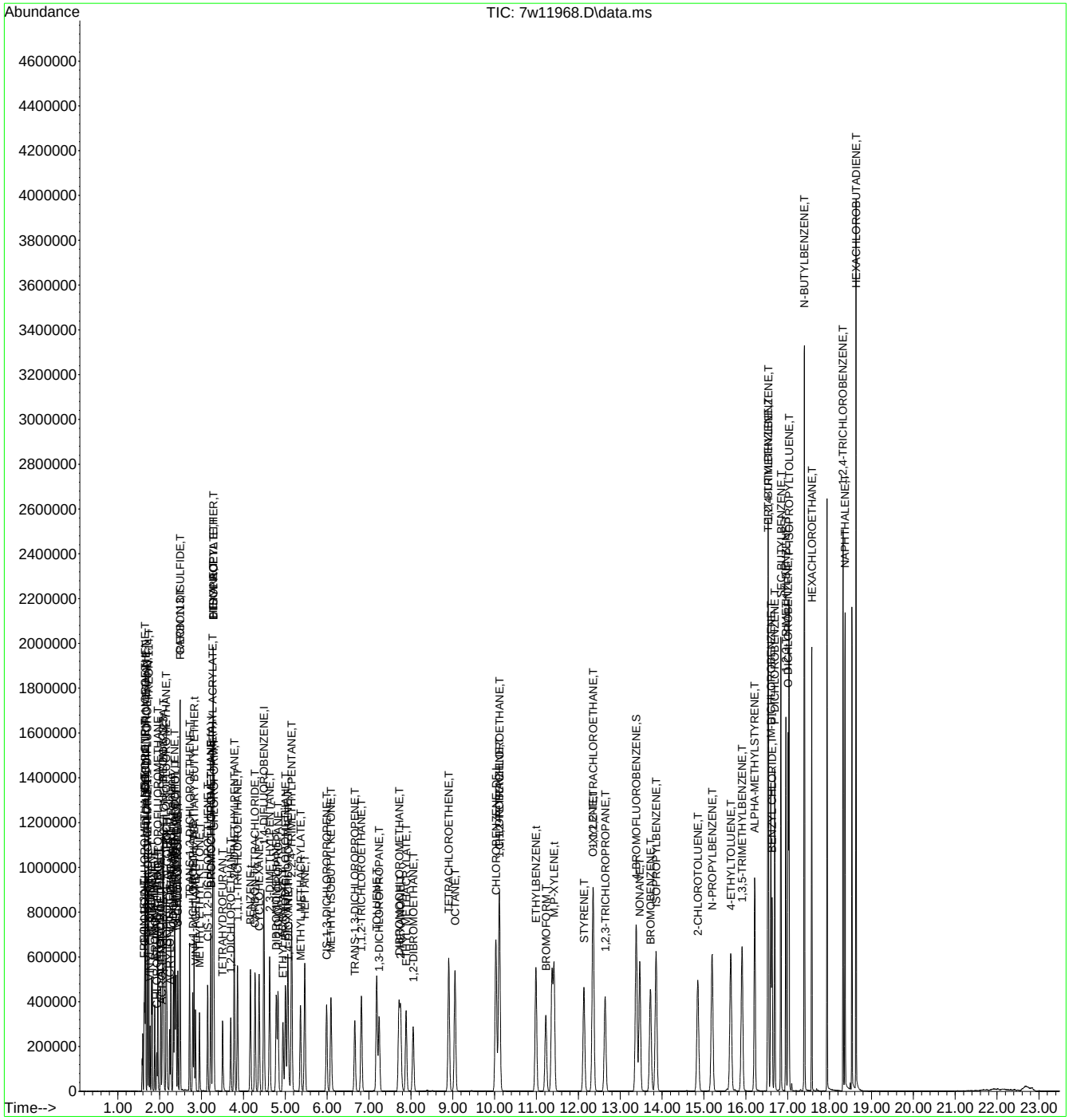
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11968.D
Acq On : 21 Jan 2025 10:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 22 10:01:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11969.D
Acq On : 21 Jan 2025 11:27 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:02:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.222	128	125614	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	641726	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.035	117	603364	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.222	128	125614	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	478127	10.92	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	69727	11.6564	PPBV		96
4) CHLORODIFLUOROMETHANE	1.637	67	34223	11.2697	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.650	116	157747	10.7840	PPBV		84
6) DICHLORODIFLUOROMETHANE	1.669	85	383007	12.2290	PPBV		99
7) PROPYLENE	1.647	41	75867	9.2035	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	325438	14.0295	PPBV		98
9) FREON 114	1.737	85	353785	14.2406	PPBV		93
10) CHLOROMETHANE	1.711	52	37033	11.3900	PPBV		99
11) VINYL CHLORIDE	1.769	62	136949	13.0353	PPBV		99
12) 1,3-BUTADIENE	1.807	54	104099	11.6288	PPBV		98
13) N-BUTANE	1.824	43	185264	11.3719	PPBV		98
14) BROMOMETHANE	1.881	94	117894	12.5519	PPBV		99
15) CHLOROETHANE	1.930	64	72858	12.8146	PPBV	#	88
16) DICHLOROFLUOROMETHANE	1.955	67	281603	12.7143	PPBV		99
17) ACETONITRILE	2.023	41	92039	9.1164	PPBV		99
18) ACROLEIN	2.061	56	55095	10.3901	PPBV		97
19) FREON 123	2.074	83	302355	12.6502	PPBV		96
20) FREON 123A	2.090	117	175697	11.8067	PPBV		86
21) TRICHLOROFLUOROMETHANE	2.155	101	337767	12.2460	PPBV		99
22) ISOPROPYL ALCOHOL	2.177	45	227506	9.7765	PPBV		97
23) ACETONE	2.100	58	64327	8.8140	PPBV		85
24) PENTANE	2.267	42	113783	10.1793	PPBV		96
25) IODOMETHANE	2.328	142	301068	11.9104	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.357	96	125243	11.4990	PPBV		97
27) CARBON DISULFIDE	2.489	76	381146	14.0522	PPBV		100
28) ETHANOL	1.962	45	58769	9.2254	PPBV		100
29) BROMOETHENE	2.029	106	116878	11.6803	PPBV		97
30) ACRYLONITRILE	2.238	52	85525	9.4680	PPBV		98
31) METHYLENE CHLORIDE	2.393	84	116792	11.7470	PPBV		92
32) 3-CHLOROPROPENE	2.434	76	65179	12.6015	PPBV		89
33) FREON 113	2.489	151	198971	12.0653	PPBV		88
34) TRANS-1,2-DICHLOROETHENE	2.714	96	129450	11.4169	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.377	59	288964	10.7972	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.824	73	366798	11.3127	PPBV		98
37) TETRAHYDROFURAN	3.508	72	62908	12.5205	PPBV		90
38) HEXANE	3.274	57	229010	11.0698	PPBV		97
39) VINYL ACETATE	2.859	86	31254	10.1844	PPBV		91
40) 1,1-DICHLOROETHANE	2.788	63	238659	11.7640	PPBV		99
41) METHYL ETHYL KETONE	2.955	72	67038	12.0123	PPBV		88
42) CIS-1,2-DICHLOROETHENE	3.148	96	135513	11.6035	PPBV		98
43) DIISOPROPYL ETHER	3.280	59	67033	11.7001	PPBV		90
44) ETHYL ACETATE	3.283	61	48275	12.1792	PPBV		90
45) METHYL ACRYLATE	3.270	55	275043	11.8337	PPBV	#	100
46) CHLOROFORM	3.296	83	284172	12.3770	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	262530	11.4777	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.862	97	283675	11.5216	PPBV		98
49) CARBON TETRACHLORIDE	4.280	117	277520	11.3652	PPBV		100
50) 1,2-DICHLOROETHANE	3.701	62	213858	12.4409	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11969.D
Acq On : 21 Jan 2025 11:27 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:02:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	403952	12.0410	PPBV	97
53)	CYCLOHEXANE	4.377	84	180404	11.8988	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.631	71	93132	11.6996	PPBV	96
55)	TRICHLOROETHENE	5.058	95	186647	11.4421	PPBV	94
56)	1,2-DICHLOROPROPANE	4.830	63	160995	11.5687	PPBV	99
57)	DIBROMOMETHANE	4.788	174	155163	10.1232	PPBV	95
58)	ETHYL ACRYLATE	4.949	55	341666	11.5546	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	313105	12.0479	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	713552	11.5634	PPBV	100
61)	1,4-DIOXANE	5.081	88	100969	11.1008	PPBV	98
62)	HEPTANE	5.470	43	238748	11.0092	PPBV	94
63)	METHYL METHACRYLATE	5.367	69	157579	11.3061	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.100	58	148868	11.4985	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	254338	11.6701	PPBV	97
66)	TOLUENE	7.187	91	508383	11.2116	PPBV	99
67)	1,3-DICHLOROPROPANE	7.248	76	260964	12.3228	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	220563	10.7654	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.823	83	149323	11.9801	PPBV	98
70)	2-HEXANONE	7.762	58	208949	10.3355	PPBV	92
71)	ETHYL METHACRYLATE	7.891	69	266818	11.0114	PPBV	96
72)	TETRACHLOROETHENE	8.907	164	196595	11.4429	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.720	129	288454	11.0151	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	277319	12.1538	PPBV	99
75)	OCTANE	9.055	43	332666	10.8269	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	206227	10.6942	PPBV	94
78)	CHLOROBENZENE	10.113	112	412287	11.7427	PPBV	96
79)	ETHYLBENZENE	10.990	91	689262	11.5983	PPBV	98
80)	M,P-XYLENE	11.418	91	1089627	23.3898	PPBV	97
81)	O-XYLENE	12.347	91	559741	11.9635	PPBV	98
82)	STYRENE	12.135	104	414329	12.3647	PPBV	99
83)	NONANE	13.466	43	362267	11.2724	PPBV	97
84)	BROMOFORM	11.225	173	260287	11.2528	PPBV	98
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	414998	13.3280	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	318415	12.8179	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	204098	11.4184	PPBV	91
89)	BROMOBENZENE	13.720	77	397794	11.9385	PPBV	90
90)	2-CHLOROTOLUENE	14.852	126	182905	11.2489	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	214788	11.8558	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	803179	12.3604	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	679169	12.4196	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	332488	11.9051	PPBV	99
95)	TERT-BUTYLBENZENE	16.530	134	156481	11.9559	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	722646	13.1009	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	480156	9.8304	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	438566	11.6566	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	446980	12.2065	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	428579	12.0637	PPBV	98
101)	SEC-BUTYLBENZENE	16.839	134	200485	12.2921	PPBV	84
102)	1,2,3-TRIMETHYLBENZENE	16.958	105	707187	12.7992	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	221853	12.2704	PPBV	91
104)	N-BUTYLBENZENE	17.395	134	222450	12.5926	PPBV	78
105)	HEXACHLOROETHANE	17.575	117	239869	11.3979	PPBV	97
106)	HEXACHLOROBUTADIENE	18.633	225	410292	15.5252	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.321	180	446924	14.7174	PPBV	99
108)	NAPHTHALENE	18.370	128	953407	14.1458	PPBV	99
110)	TVHC as equiv Pentane	2.267	TIC	567482	10.6396	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11969.D
Acq On : 21 Jan 2025 11:27 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:02:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

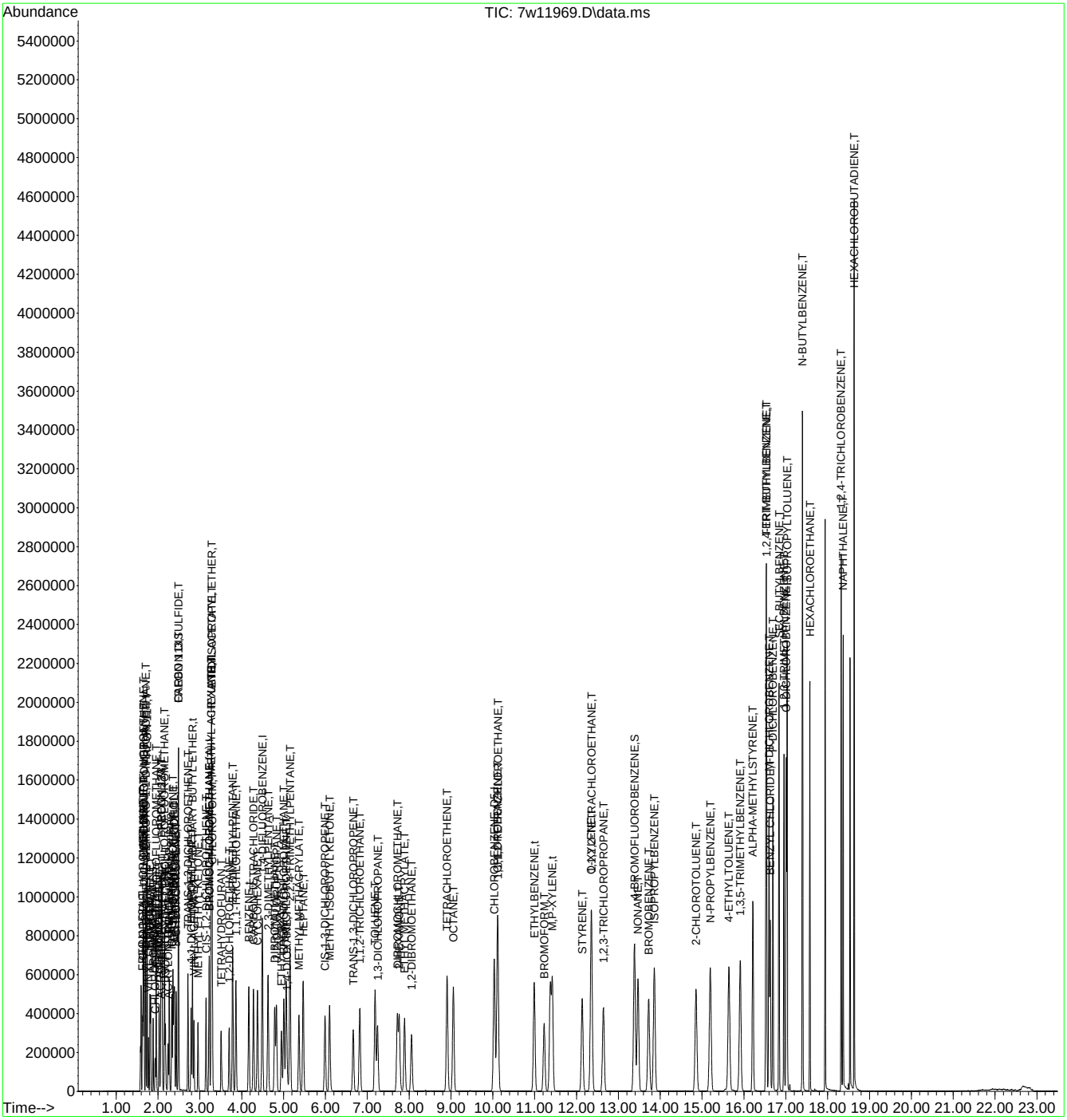
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11969.D
Acq On : 21 Jan 2025 11:27 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 22 10:02:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56372.D
Acq On : 24 Jan 2025 10:39 am
Operator : williamc
Sample : bs Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:10 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.651	128	382085	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1714808	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	849727	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	382085	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	1103194	11.02	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.20%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	298304	11.0209	PPBV	93
4) CHLORODIFLUOROMETHANE	3.564	67	129671	10.5425	PPBV	99
5) CHLOROTRIFLUOROETHENE	3.588	116	729536	11.6407	PPBV	97
6) DICHLORODIFLUOROMETHANE	3.637	85	1300162	10.6871	PPBV	98
7) PROPYLENE	3.582	41	462771	15.1205	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.741	65	1186715	9.5949	PPBV	94
9) FREON 114	3.827	85	1501043	9.4763	PPBV	94
10) CHLOROMETHANE	3.754	52	204982	12.3016	PPBV	94
11) VINYL CHLORIDE	3.913	62	543817	9.6486	PPBV	98
12) 1,3-BUTADIENE	4.011	54	444194	11.7733	PPBV	94
13) n-BUTANE	4.047	43	965622	12.2252	PPBV	96
14) BROMOMETHANE	4.212	94	540888	8.9254	PPBV	99
15) CHLOROETHANE	4.335	64	219404	8.6149	PPBV	90
16) DICHLOROFLUOROMETHANE	4.402	67	1051017	8.5162	PPBV #	96
17) ACETONITRILE	4.598	41	550126	11.9899	PPBV	99
18) ACROLEIN	4.696	56	217060	10.7021	PPBV	92
19) FREON 123	4.714	83	1116304	8.3730	PPBV	99
20) FREON 123A	4.757	117	711758	9.4662	PPBV	92
21) TRICHLOROFLUOROMETHANE	4.922	101	1373450	10.2546	PPBV	100
22) ISOPROPYL ALCOHOL	5.002	45	1108617	15.6636	PPBV	96
23) ACETONE	4.800	58	218804	9.6155	PPBV #	67
24) PENTANE	5.210	42	500451	13.9851	PPBV	94
25) IODOMETHANE	5.393	142	1236675	11.7143	PPBV	93
26) 1,1-DICHLOROETHYLENE	5.460	96	372273	10.5817	PPBV	95
27) CARBON DISULFIDE	5.827	76	1039683	10.5574	PPBV	97
28) ETHANOL	4.433	45	324709	11.8163	PPBV	99
29) BROMOETHENE	4.598	106	519095	9.0448	PPBV	97
30) ACRYLONITRILE	5.179	52	297847	13.9505	PPBV	97
31) METHYLENE CHLORIDE	5.571	84	333281	9.6278	PPBV #	75
32) 3-CHLOROPROPENE	5.668	76	170430	11.2482	PPBV #	59
33) FREON 113	5.797	151	690191	10.5597	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.427	96	399089	10.8144	PPBV	96
35) TERTIARY BUTYL ALCOHOL	5.522	59	722940	12.1304	PPBV	95
36) METHYL TERTIARY BUTYL ...	6.684	73	977066	11.1462	PPBV	88
37) TETRAHYDROFURAN	8.220	72	163550	11.7471	PPBV #	57
38) HEXANE	7.681	57	667311	13.3996	PPBV	100
39) VINYL ACETATE	6.782	86	71800	12.7518	PPBV #	14
40) 1,1-DICHLOROETHANE	6.623	63	738074	11.7240	PPBV	96
41) METHYL ETHYL KETONE	7.033	72	166801	11.8367	PPBV #	23
42) cis-1,2-DICHLOROETHYLENE	7.473	96	428415	10.6809	PPBV	96
43) DIISOPROPYL ETHER	7.693	59	193258	12.9787	PPBV #	64
44) ETHYL ACETATE	7.724	61	141657	13.3182	PPBV #	93
45) METHYL ACRYLATE	7.712	55	866066	14.5995	PPBV	93
46) CHLOROFORM	7.785	83	860580	10.2358	PPBV	97
47) 2,4-DIMETHYLPENTANE	8.642	57	760515	14.1773	PPBV	96
48) 1,1,1-TRICHLOROETHANE	8.856	97	903434	10.3767	PPBV	98
49) CARBON TETRACHLORIDE	9.547	117	1025541	10.6771	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56372.D
Acq On : 24 Jan 2025 10:39 am
Operator : williamc
Sample : bs Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:10 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	591371	11.5357	PPBV		99
52)	BENZENE	9.376	78	1167592	10.5449	PPBV		95
53)	CYCLOHEXANE	9.682	84	473758	10.9611	PPBV		82
54)	2,3-DIMETHYLPENTANE	9.981	71	228703	10.3059	PPBV	#	67
55)	TRICHLOROETHYLENE	10.630	95	590664	9.9978	PPBV		98
56)	1,2-DICHLOROPROPANE	10.342	63	483867	10.8695	PPBV		92
57)	DIBROMOMETHANE	10.318	174	619835	9.7440	PPBV		96
58)	ETHYL ACRYLATE	10.391	55	1062808	14.5619	PPBV		97
59)	BROMODICHLOROMETHANE	10.587	83	1012108	9.6874	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	2082210	13.0791	PPBV		99
61)	1,4-DIOXANE	10.648	88	288835	11.0351	PPBV	#	84
62)	HEPTANE	11.009	43	898191	15.4606	PPBV		84
63)	METHYL METHACRYLATE	10.917	69	407967	11.6483	PPBV	#	69
64)	METHYL ISOBUTYL KETONE	11.768	58	415968	13.7211	PPBV	#	83
65)	cis-1,3-DICHLOROPROPENE	11.713	75	765944	11.1678	PPBV		91
66)	TOLUENE	12.942	92	865913	10.8176	PPBV		98
67)	1,3-DICHLOROPROPANE	12.991	76	717196	10.7357	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.392	75	685154	10.3342	PPBV		90
69)	1,1,2-TRICHLOROETHANE	12.594	83	493801	10.5163	PPBV		99
71)	2-HEXANONE	13.340	58	612870	16.1031	PPBV		87
72)	ETHYL METHACRYLATE	13.371	69	728757	12.6349	PPBV	#	78
73)	TETRACHLOROETHYLENE	14.453	164	670119	11.1851	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.493	129	1225298	11.6694	PPBV		99
75)	1,2-DIBROMOETHANE	13.811	107	1000724	12.8045	PPBV		100
76)	OCTANE	14.313	43	1328668	17.8392	PPBV		86
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	795809	11.2565	PPBV		99
78)	CHLOROBENZENE	15.396	112	1324349	11.3271	PPBV		97
79)	ETHYLBENZENE	15.946	91	2013681	13.0115	PPBV		100
80)	m,p-XYLENE	16.197	106	1577395	25.4383	PPBV		98
81)	o-XYLENE	16.888	106	775785	12.8640	PPBV		98
82)	STYRENE	16.741	104	1248531	14.2012	PPBV		98
83)	NONANE	17.298	43	1376297	17.9587	PPBV		88
84)	BROMOFORM	16.277	173	1278404	12.4540	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.894	83	1350578	11.7314	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	863625	10.9429	PPBV		97
88)	ISOPROPYLBENZENE	17.806	105	2229922	12.0783	PPBV		99
89)	BROMOBENZENE	17.898	77	1060988	11.2022	PPBV		98
90)	2-CHLOROTOLUENE	18.534	126	617555	12.1090	PPBV		99
91)	n-PROPYLBENZENE	18.626	120	630904	12.8301	PPBV		100
92)	4-ETHYLTOLUENE	18.870	105	2328335	13.3129	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	1887498	13.1231	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.244	118	1010358	13.1130	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	440410	12.4834	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2029379	12.9565	PPBV		99
97)	m-DICHLOROBENZENE	19.806	146	1496790	11.5007	PPBV		99
98)	BENZYL CHLORIDE	19.800	91	1831801	11.9548	PPBV		99
99)	p-DICHLOROBENZENE	19.917	146	1469712	12.0095	PPBV		99
100)	sec-BUTYLBENZENE	20.008	134	529812	12.5621	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1970425	12.7855	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.253	134	617332	12.3387	PPBV		98
103)	o-DICHLOROBENZENE	20.394	146	1371272	11.5405	PPBV		98
104)	n-BUTYLBENZENE	20.846	134	600733	12.6827	PPBV		99
105)	HEXACHLOROETHANE	21.311	117	1055364	12.4430	PPBV		99
106)	HEXACHLOROBUTADIENE	23.361	225	1253128	10.9512	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1308276	11.8584	PPBV		98
108)	NAPHTHALENE	22.878	128	3159980	13.2986	PPBV		100
110)	TVHC as equiv Pentane	5.210	TIC	3115871	13.9260	PPBV		100

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Operator : williamc
Sample : bs Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:10 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

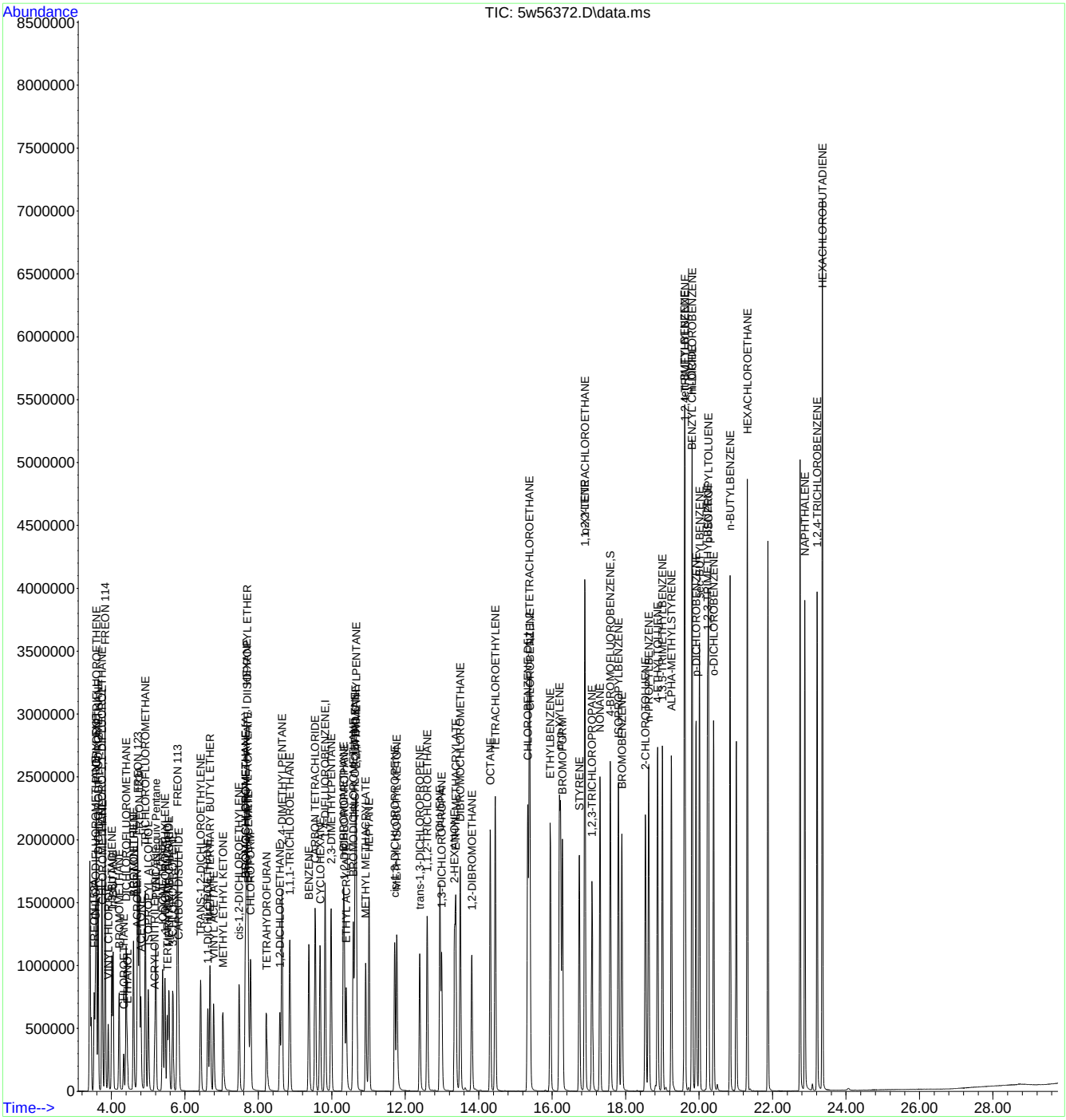
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.650	128	384955	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1729848	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	855953	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.650	128	384955	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	1109777	11.01	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.10%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	288757	10.5886	PPBV	93
4) CHLORODIFLUOROMETHANE	3.558	67	125776	10.1496	PPBV	98
5) CHLOROTRIFLUOROETHENE	3.588	116	706472	11.1887	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.631	85	1245557	10.1619	PPBV	98
7) PROPYLENE	3.582	41	453628	14.7113	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1145362	9.1915	PPBV	94
9) FREON 114	3.821	85	1448846	9.0786	PPBV	95
10) CHLOROMETHANE	3.753	52	199012	11.8543	PPBV	94
11) VINYL CHLORIDE	3.906	62	523959	9.2269	PPBV	98
12) 1,3-BUTADIENE	4.004	54	422152	11.1056	PPBV	92
13) n-BUTANE	4.041	43	934569	11.7438	PPBV	96
14) BROMOMETHANE	4.206	94	525195	8.6019	PPBV	98
15) CHLOROETHANE	4.329	64	209885	8.1797	PPBV	89
16) DICHLOROFLUOROMETHANE	4.396	67	1021422	8.2147	PPBV #	96
17) ACETONITRILE	4.592	41	538191	11.6423	PPBV	99
18) ACROLEIN	4.690	56	209078	10.2317	PPBV	94
19) FREON 123	4.708	83	1085093	8.0782	PPBV	98
20) FREON 123A	4.757	117	699756	9.2372	PPBV	91
21) TRICHLOROFLUOROMETHANE	4.916	101	1340657	9.9352	PPBV	100
22) ISOPROPYL ALCOHOL	5.002	45	955884	13.4050	PPBV	96
23) ACETONE	4.794	58	209906	9.1557	PPBV #	64
24) PENTANE	5.203	42	503675	13.9702	PPBV	94
25) IODOMETHANE	5.393	142	1246816	11.7223	PPBV	93
26) 1,1-DICHLOROETHYLENE	5.454	96	376419	10.6198	PPBV	95
27) CARBON DISULFIDE	5.827	76	1038526	10.4670	PPBV	97
28) ETHANOL	4.426	45	313113	11.3094	PPBV	99
29) BROMOETHENE	4.598	106	510321	8.8256	PPBV	98
30) ACRYLONITRILE	5.173	52	297390	13.8253	PPBV	97
31) METHYLENE CHLORIDE	5.564	84	337944	9.6898	PPBV #	75
32) 3-CHLOROPROPENE	5.668	76	170481	11.1677	PPBV #	58
33) FREON 113	5.797	151	691329	10.4983	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.427	96	398159	10.7088	PPBV	95
35) TERTIARY BUTYL ALCOHOL	5.515	59	728707	12.1360	PPBV	96
36) METHYL TERTIARY BUTYL ...	6.684	73	987652	11.1830	PPBV	88
37) TETRAHYDROFURAN	8.213	72	165047	11.7662	PPBV #	54
38) HEXANE	7.681	57	678136	13.5155	PPBV	99
39) VINYL ACETATE	6.782	86	73223	12.9076	PPBV #	16
40) 1,1-DICHLOROETHANE	6.623	63	748472	11.8005	PPBV	96
41) METHYL ETHYL KETONE	7.026	72	169433	11.9338	PPBV #	28
42) cis-1,2-DICHLOROETHYLENE	7.473	96	436801	10.8088	PPBV	97
43) DIISOPROPYL ETHER	7.693	59	196753	13.1149	PPBV #	64
44) ETHYL ACETATE	7.724	61	141939	13.2452	PPBV #	75
45) METHYL ACRYLATE	7.712	55	879449	14.7146	PPBV	94
46) CHLOROFORM	7.785	83	875424	10.3348	PPBV	97
47) 2,4-DIMETHYLPENTANE	8.642	57	772644	14.2960	PPBV	96
48) 1,1,1-TRICHLOROETHANE	8.856	97	914411	10.4245	PPBV	98
49) CARBON TETRACHLORIDE	9.547	117	1040366	10.7507	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56373.D
Acq On : 24 Jan 2025 11:19 am
Operator : williamc
Sample : bsd Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:19 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.580	62	600128	11.6192	PPBV		99
52)	BENZENE	9.376	78	1179726	10.5619	PPBV		95
53)	CYCLOHEXANE	9.682	84	478224	10.9682	PPBV		82
54)	2,3-DIMETHYLPENTANE	9.981	71	233092	10.4123	PPBV	#	65
55)	TRICHLOROETHYLENE	10.636	95	600113	10.0695	PPBV		99
56)	1,2-DICHLOROPROPANE	10.342	63	492607	10.9696	PPBV		92
57)	DIBROMOMETHANE	10.318	174	627139	9.7731	PPBV		96
58)	ETHYL ACRYLATE	10.391	55	1079782	14.6659	PPBV		98
59)	BROMODICHLOROMETHANE	10.587	83	1028640	9.7601	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.666	57	2121273	13.2086	PPBV		99
61)	1,4-DIOXANE	10.648	88	293010	11.0973	PPBV		93
62)	HEPTANE	11.015	43	911156	15.5474	PPBV		84
63)	METHYL METHACRYLATE	10.917	69	418808	11.8539	PPBV	#	70
64)	METHYL ISOBUTYL KETONE	11.768	58	424635	13.8852	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.713	75	780030	11.2743	PPBV		91
66)	TOLUENE	12.942	92	895608	11.0913	PPBV		100
67)	1,3-DICHLOROPROPANE	12.991	76	731088	10.8485	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.392	75	704005	10.5262	PPBV		90
69)	1,1,2-TRICHLOROETHANE	12.600	83	506071	10.6839	PPBV		99
71)	2-HEXANONE	13.340	58	619316	16.1541	PPBV		86
72)	ETHYL METHACRYLATE	13.377	69	749516	12.9003	PPBV	#	78
73)	TETRACHLOROETHYLENE	14.453	164	678504	11.2427	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.493	129	1253245	11.8488	PPBV		99
75)	1,2-DIBROMOETHANE	13.811	107	1021973	12.9813	PPBV		100
76)	OCTANE	14.319	43	1357358	18.0919	PPBV		86
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	815150	11.4462	PPBV		98
78)	CHLOROBENZENE	15.396	112	1350304	11.4651	PPBV		98
79)	ETHYLBENZENE	15.946	91	2067351	13.2611	PPBV		100
80)	m,p-XYLENE	16.203	106	1615915	25.8699	PPBV		98
81)	o-XYLENE	16.888	106	792923	13.0525	PPBV		97
82)	STYRENE	16.741	104	1277389	14.4238	PPBV		98
83)	NONANE	17.298	43	1407380	18.2308	PPBV		88
84)	BROMOFORM	16.276	173	1311928	12.6877	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.894	83	1379622	11.8965	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	889289	11.1861	PPBV		97
88)	ISOPROPYLBENZENE	17.806	105	2288420	12.3049	PPBV		99
89)	BROMOBENZENE	17.898	77	1079631	11.3161	PPBV		97
90)	2-CHLOROTOLUENE	18.534	126	628785	12.2396	PPBV		100
91)	n-PROPYLBENZENE	18.626	120	644995	13.0213	PPBV		99
92)	4-ETHYLTOLUENE	18.870	105	2377358	13.4944	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	1932116	13.3356	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	1040046	13.4001	PPBV		99
95)	tert-BUTYLBENZENE	19.604	134	454413	12.7866	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2070466	13.1226	PPBV		100
97)	m-DICHLOROBENZENE	19.806	146	1535234	11.7103	PPBV		100
98)	BENZYL CHLORIDE	19.800	91	1877532	12.1641	PPBV		99
99)	p-DICHLOROBENZENE	19.916	146	1490978	12.0947	PPBV		100
100)	sec-BUTYLBENZENE	20.008	134	543234	12.7867	PPBV		99
101)	1,2,3-TRIMETHYLBENZENE	20.228	105	2009571	12.9446	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.253	134	633033	12.5604	PPBV		98
103)	o-DICHLOROBENZENE	20.394	146	1414781	11.8200	PPBV		99
104)	n-BUTYLBENZENE	20.846	134	623750	13.0729	PPBV		100
105)	HEXACHLOROETHANE	21.311	117	1087882	12.7331	PPBV		98
106)	HEXACHLOROBUTADIENE	23.349	225	1310007	11.3650	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.202	180	1356158	12.2030	PPBV		98
108)	NAPHTHALENE	22.865	128	3254841	13.5982	PPBV		100
110)	TVHC as equiv Pentane	5.203	TIC	3068250	13.6109	PPBV		100

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ALS Vial : 2 Sample Multiplier: 1

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Response via : Initial Calibration

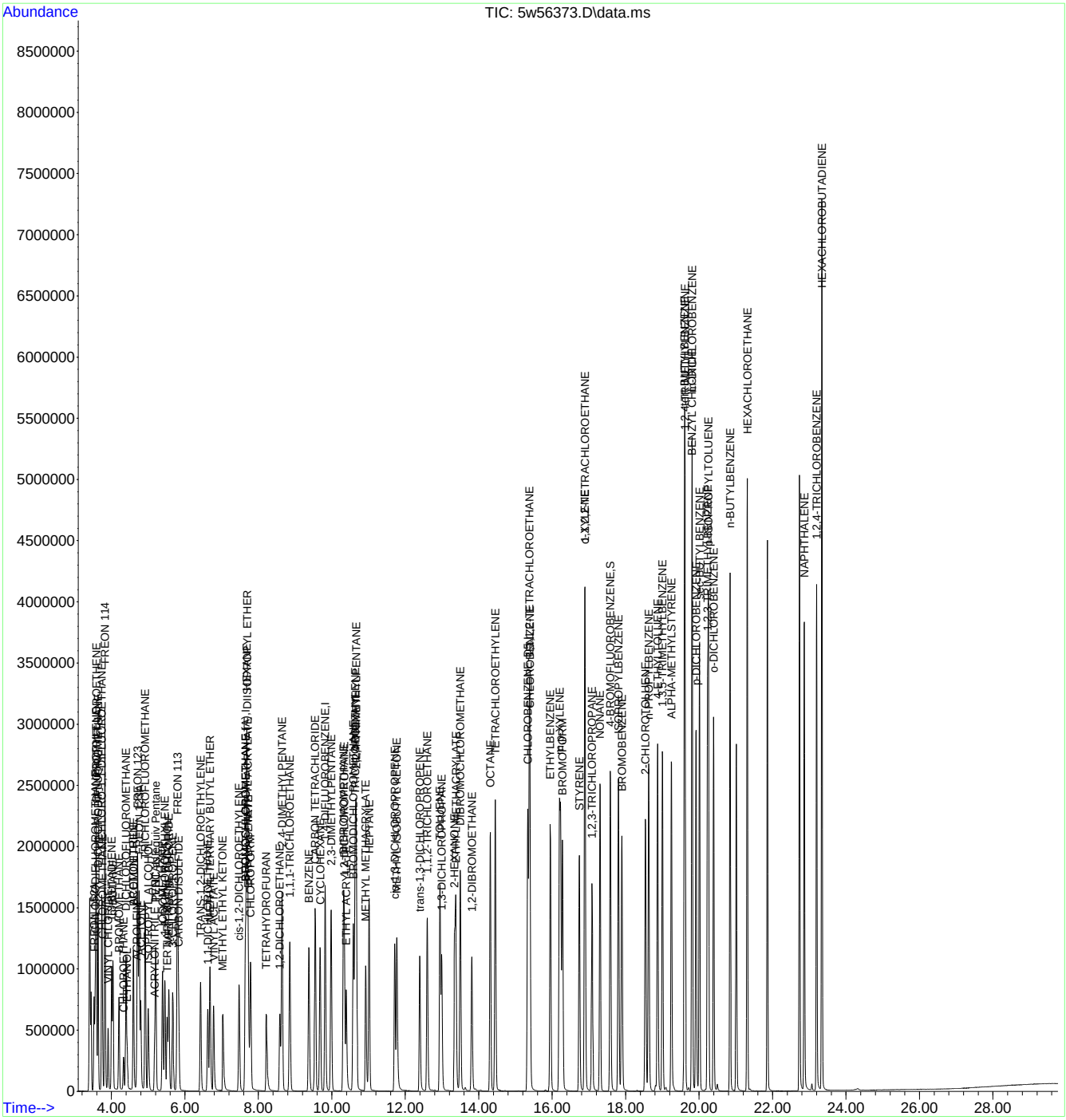
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56373.D
Acq On : 24 Jan 2025 11:19 am
Operator : williamc
Sample : bsd Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:19 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/17/25 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34958.D
Acq On : 16 Feb 2025 9:37 am
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:34:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26307	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	143880	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	63551	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	94766	10.12	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.20%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	460	0.1261	ppb(v#	67
3) Vinyl Chloride	1.773	62	539	0.1096	ppb(v	92
4) Chloroethane	1.926	64	300	0.0834	ppb(v	90
5) 1,1-Dichloroethene	2.309	61	699	0.1196	ppb(v	98
6) trans-1,2-Dichloroethene	2.692	61	602m	0.0871	ppb(v	
7) 1,1-Dichloroethane	2.769	63	552m	0.0984	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	377	0.0930	ppb(v#	26
9) Chloroform	3.331	83	763m	0.1182	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	598	0.1159	ppb(v	77
11) 1,2-Dichloroethane	3.765	62	561	0.1094	ppb(v	98
12) Benzene	4.278	78	902	0.1023	ppb(v	100
13) Carbon Tetrachloride	4.411	117	726	0.1334	ppb(v	98
15) Toluene	7.458	92	687	0.1018	ppb(v	95
16) Trichloroethene	5.231	95	460	0.0958	ppb(v	100
17) 1,2-Dichloropropane	4.987	65	100	0.0870	ppb(v	84
18) Bromodichloromethane	5.187	83	721	0.1096	ppb(v	98
19) cis-1,3-Dichloropropene	6.215	75	383	0.0929	ppb(v	98
20) trans-1,3-Dichloropropene	6.909	75	349	0.0925	ppb(v	99
21) 1,1,2-Trichloroethane	7.082	83	362	0.1065	ppb(v	98
22) Dibromochloromethane	8.036	129	799	0.1211	ppb(v	100
23) Tetrachloroethene	9.250	166	741	0.1008	ppb(v	91
24) 1,2-Dibromoethane	8.383	107	709	0.1123	ppb(v	100
26) Chlorobenzene	10.493	112	1037	0.1004	ppb(v	97
27) 1,1,2,2-Tetrachloroethane	12.805	83	940	0.1091	ppb(v	98
29) 1,3-Dichlorobenzene	16.800	146	1064	0.0909	ppb(v	82
30) 1,4-Dichlorobenzene	16.884	146	1076	0.0934	ppb(v	83
31) 1,2-Dichlorobenzene	17.173	146	1042	0.0920	ppb(v	98
32) Naphthalene	18.483	128	1918	0.1026	ppb(v	98

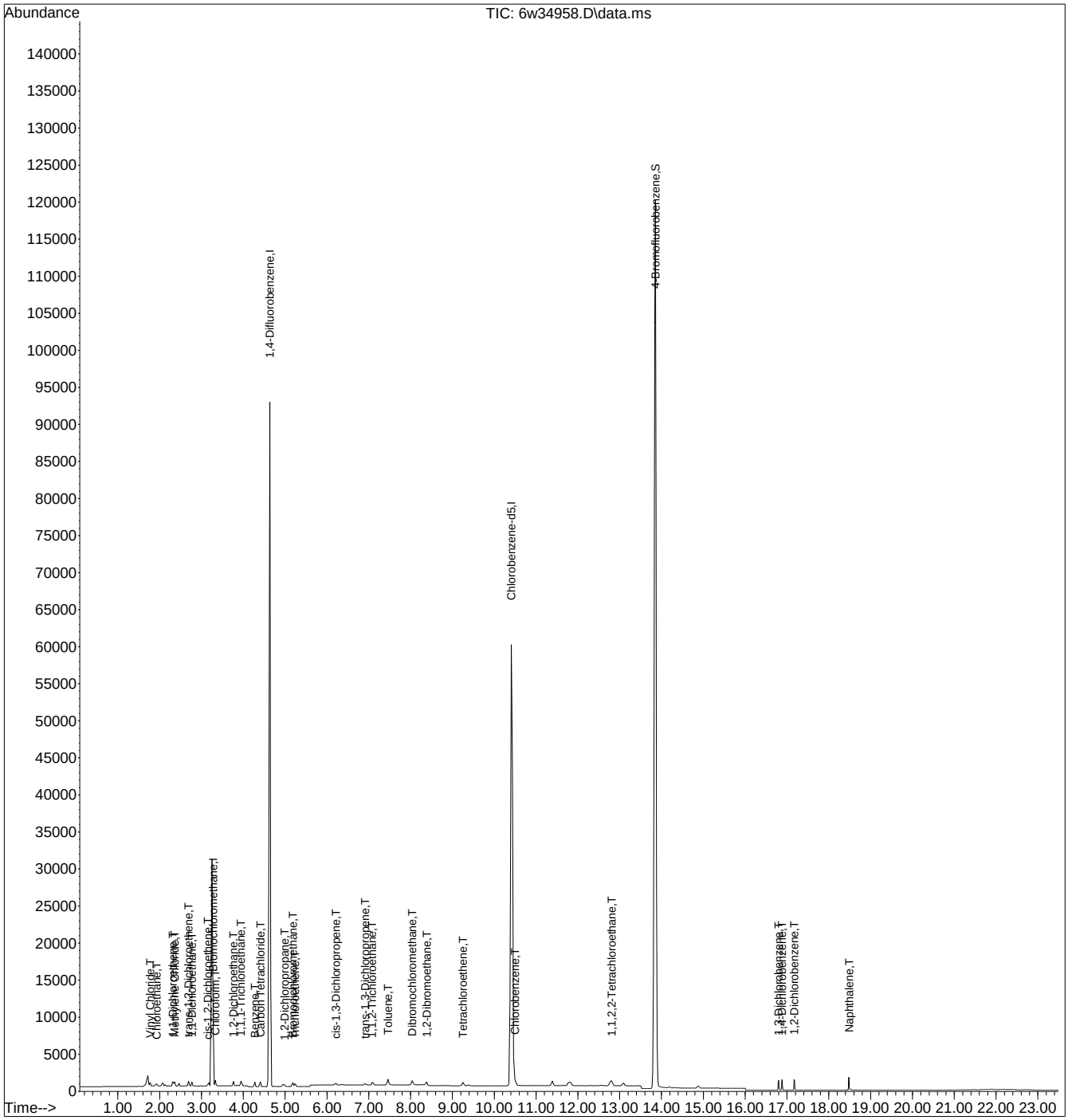
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.11
7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34958.D
Acq On : 16 Feb 2025 9:37 am
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:34:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

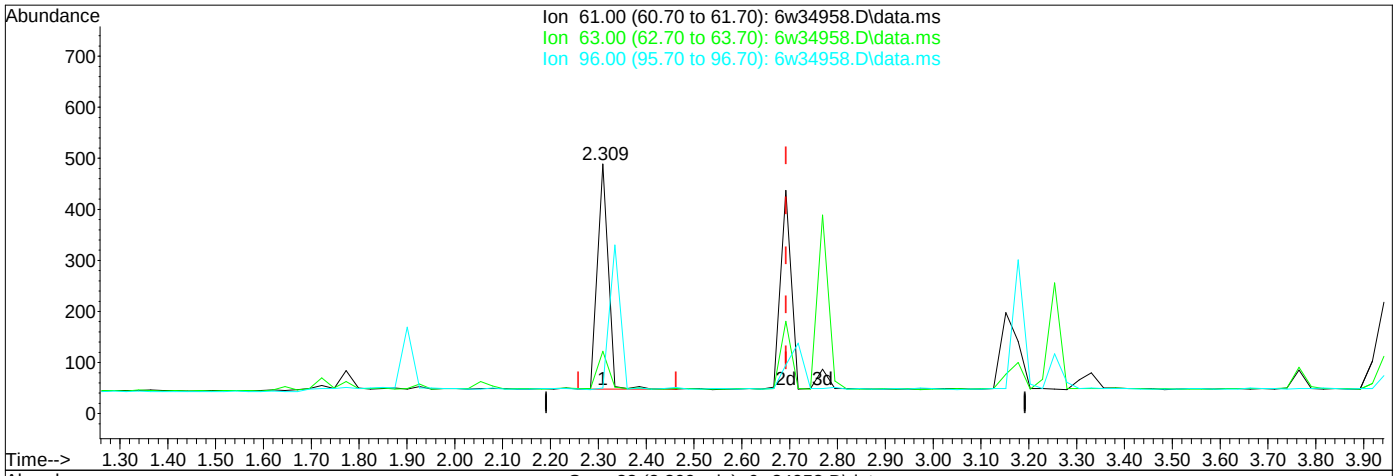
Sample Number: V6W1450-BS
Lab FileID: 6W34958.D
Injection Time: 02/16/25 09:37
Method: TO-15 (BY SIM)
Analyst approved: 02/17/25 08:48 Geralyn Gomez
Supervisor approved: 02/17/25 11:36 Kanya Veerawat

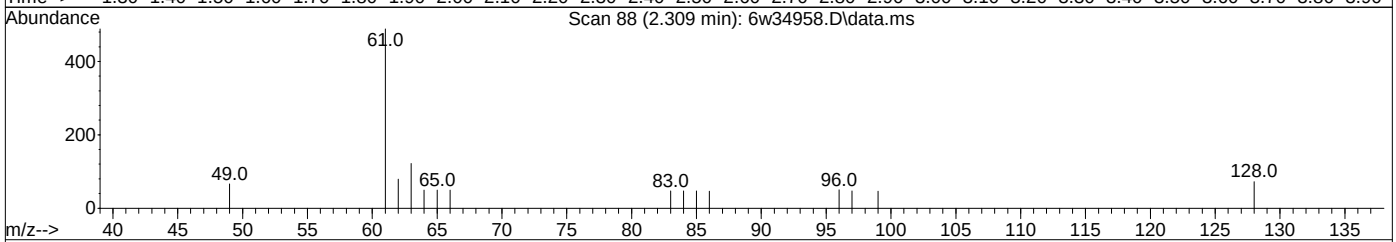
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,2-Dichloroethylene	156-60-5		2.69	Missed peak
1,1-Dichloroethane	75-34-3		2.77	Overlapping peak
Chloroform	67-66-3		3.33	Overlapping peak

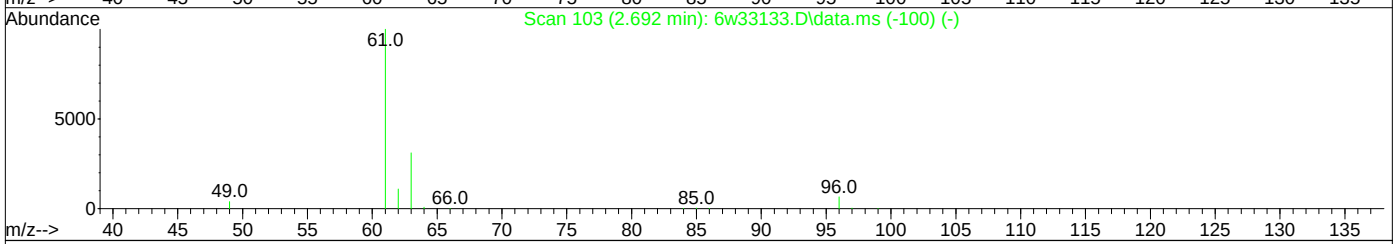
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34958.D
Acq On : 16 Feb 2025 9:37 am
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:22 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34958.D\data.ms

(6) trans-1,2-Dichloroethene (T)

2.309min (-0.383) 0.10ppb(v)

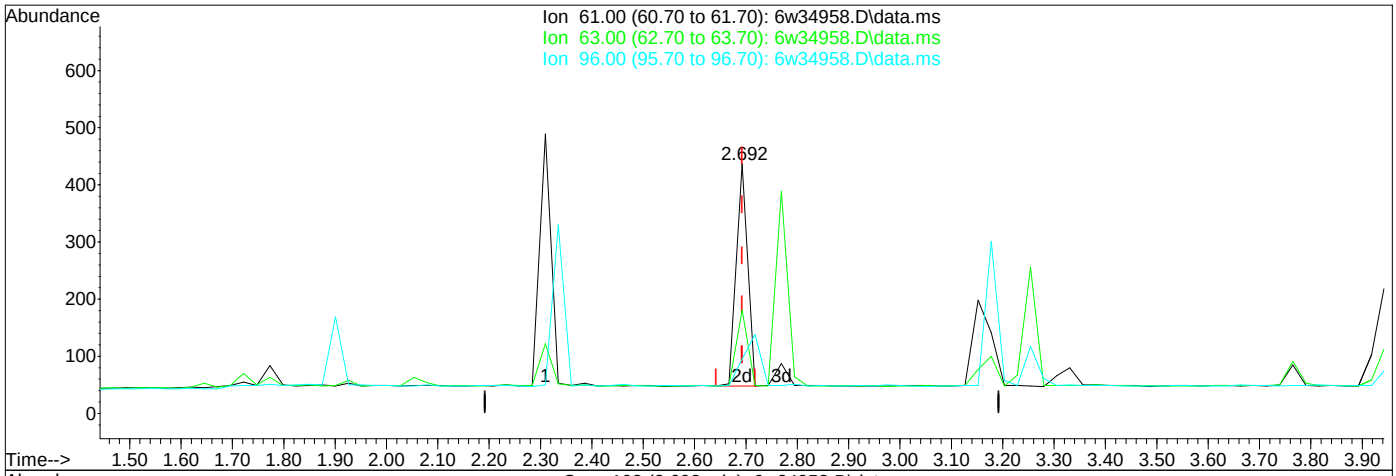
response 694

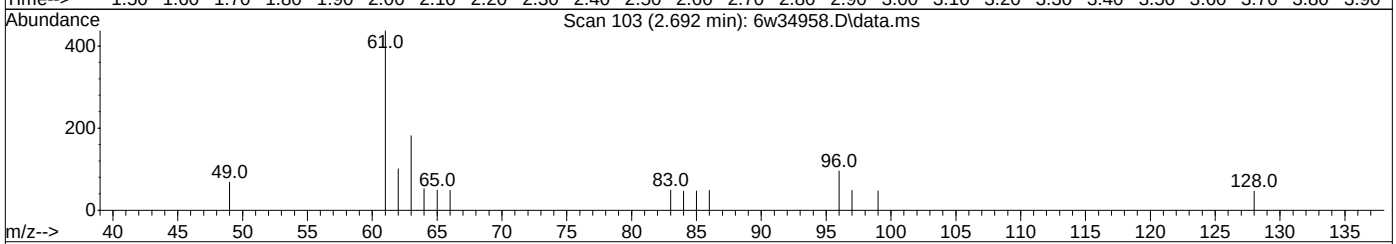
Ion	Exp%	Act%
61.00	100	100
63.00	34.70	24.95
96.00	12.80	10.22
0.00	0.00	0.00

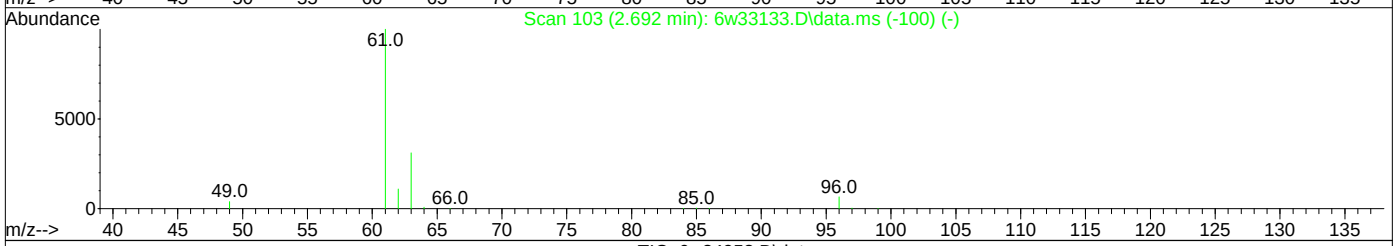
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34958.D
Acq On : 16 Feb 2025 9:37 am
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:22 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34958.D\data.ms

(6) trans-1,2-Dichloroethene (T)

2.692min (+0.000) 0.09ppb(v) m

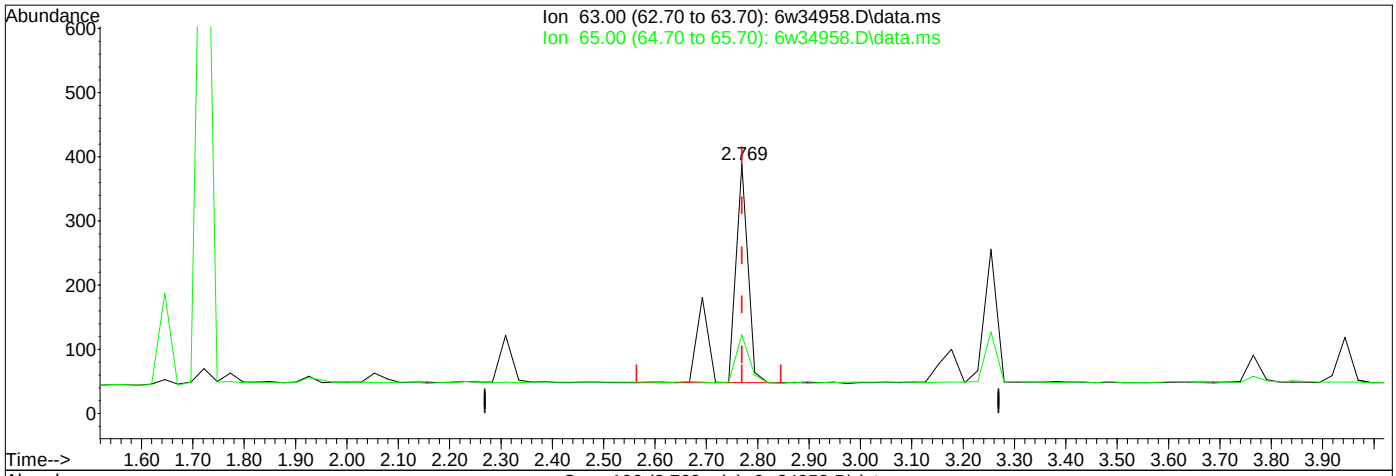
response 602

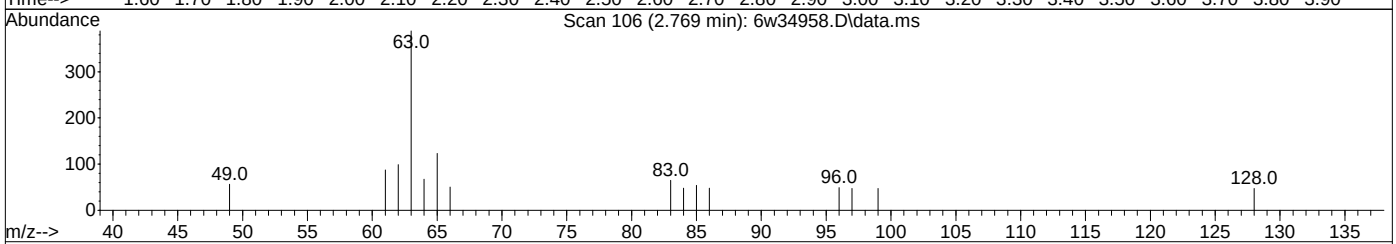
Ion	Exp%	Act%
61.00	100	100
63.00	34.70	41.42
96.00	12.80	21.74#
0.00	0.00	0.00

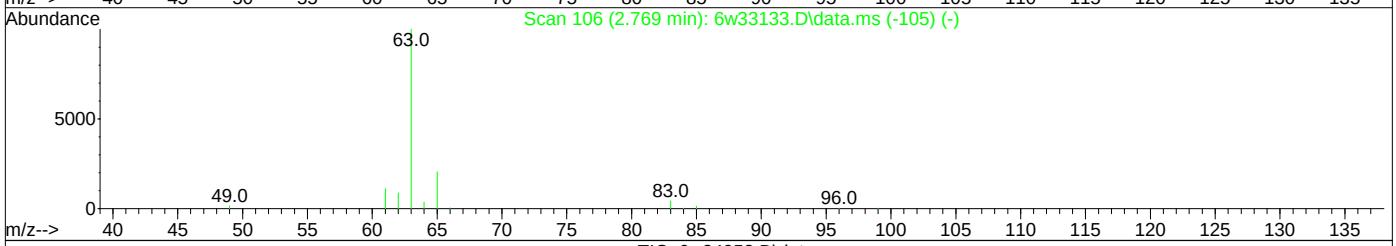
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34958.D
Acq On : 16 Feb 2025 9:37 am
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:22 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34958.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.13ppb(v)

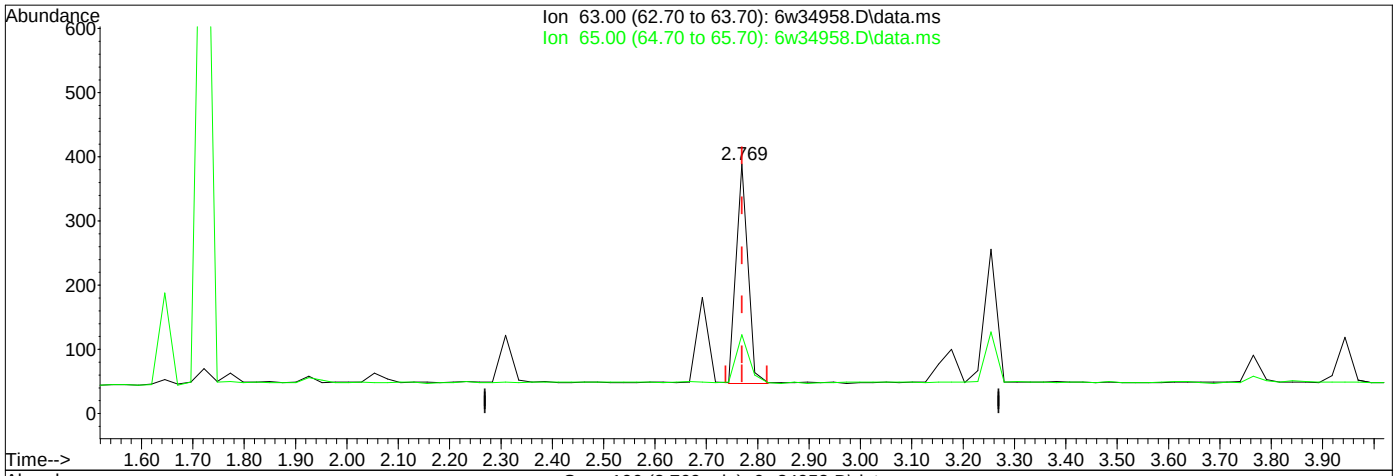
response 757

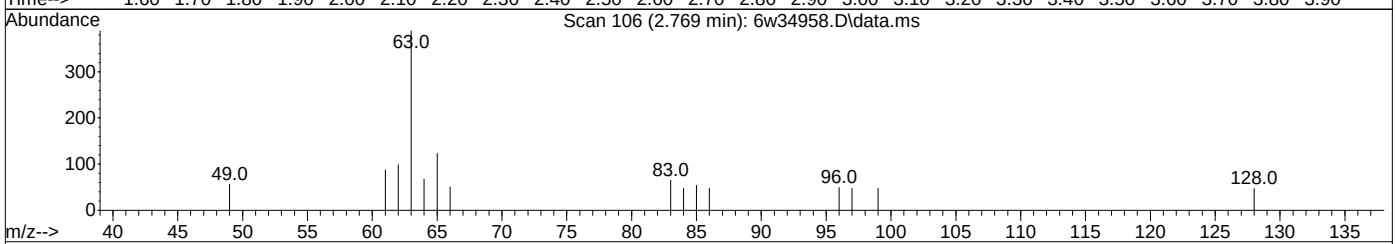
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	31.62
0.00	0.00	0.00
0.00	0.00	0.00

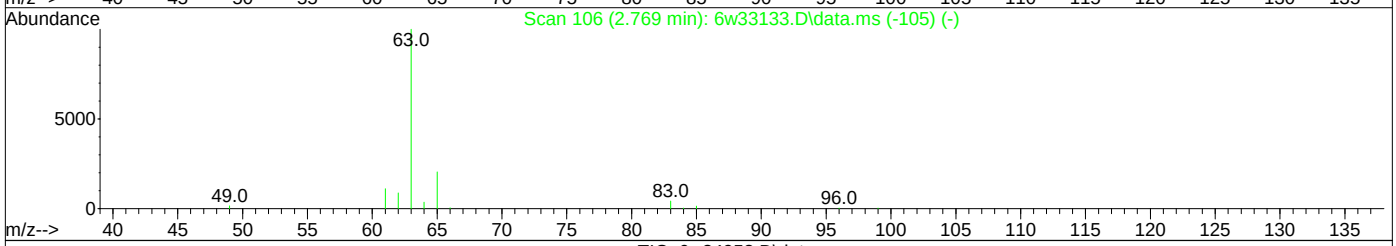
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34958.D
Acq On : 16 Feb 2025 9:37 am
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:22 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34958.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.10ppb(v) m

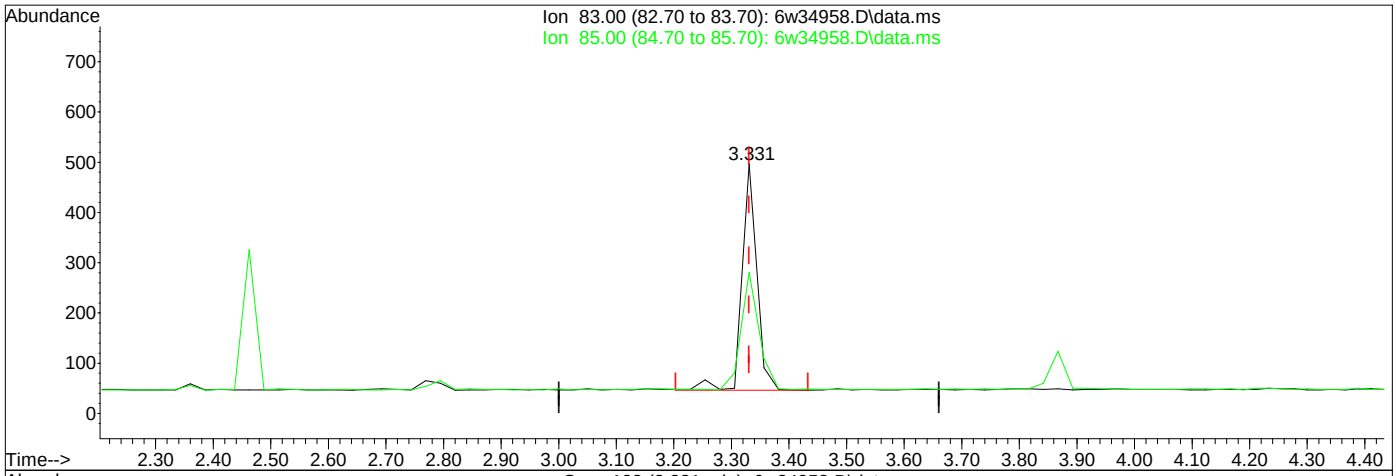
response 552

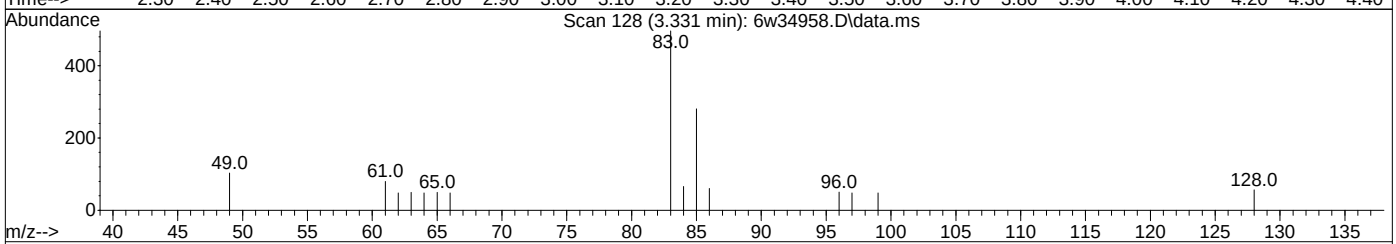
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	31.62
0.00	0.00	0.00
0.00	0.00	0.00

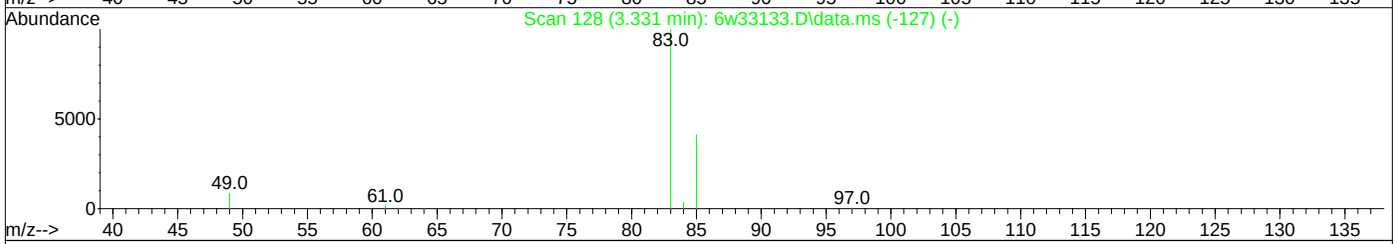
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34958.D
Acq On : 16 Feb 2025 9:37 am
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:22 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34958.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.13ppb(v)

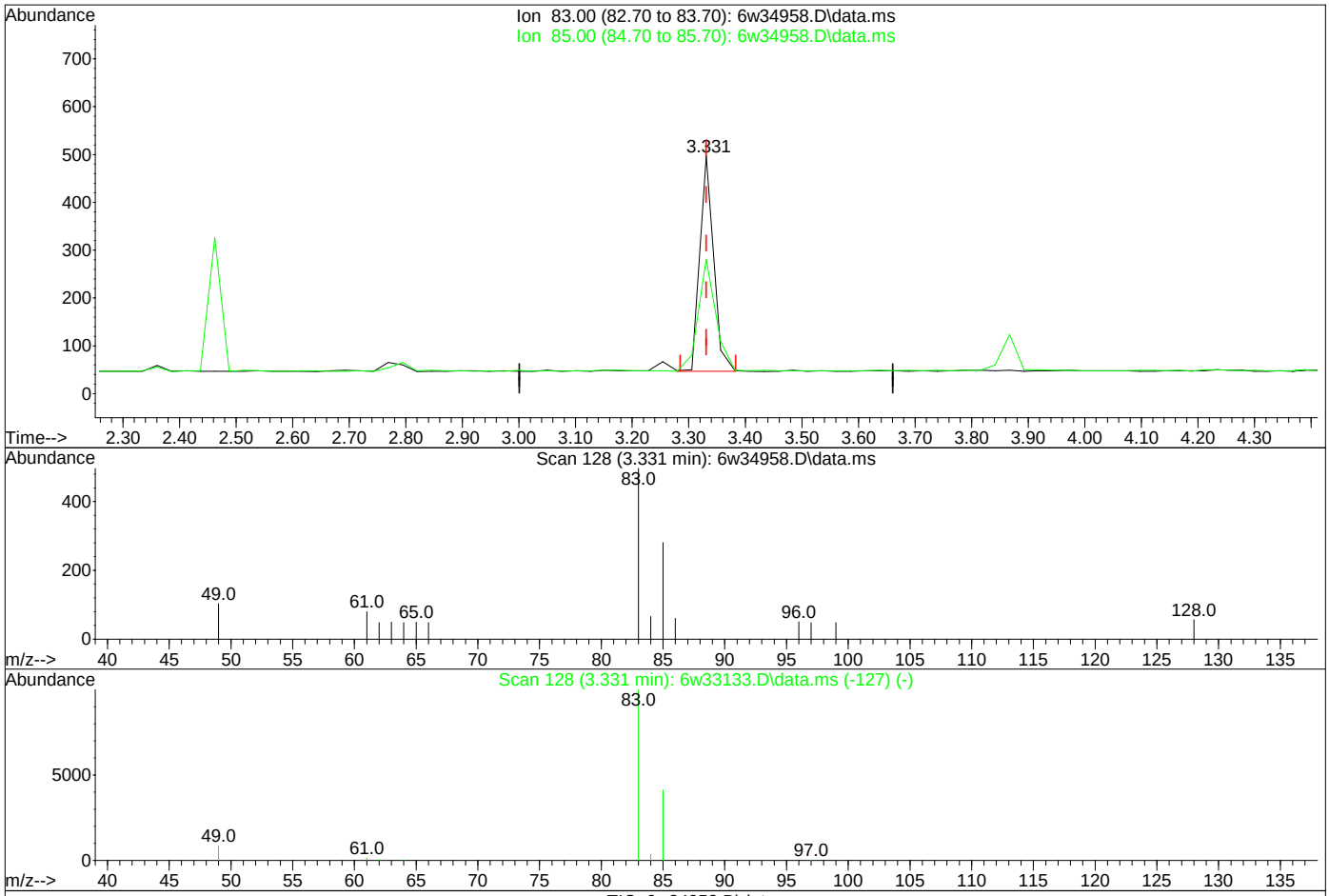
response 809

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34958.D
Acq On : 16 Feb 2025 9:37 am
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:22 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



TIC: 6w34958.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.12ppb(v) m

response 763

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.54
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/17/25 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34959.D
Acq On : 16 Feb 2025 10:15 am
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:37:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

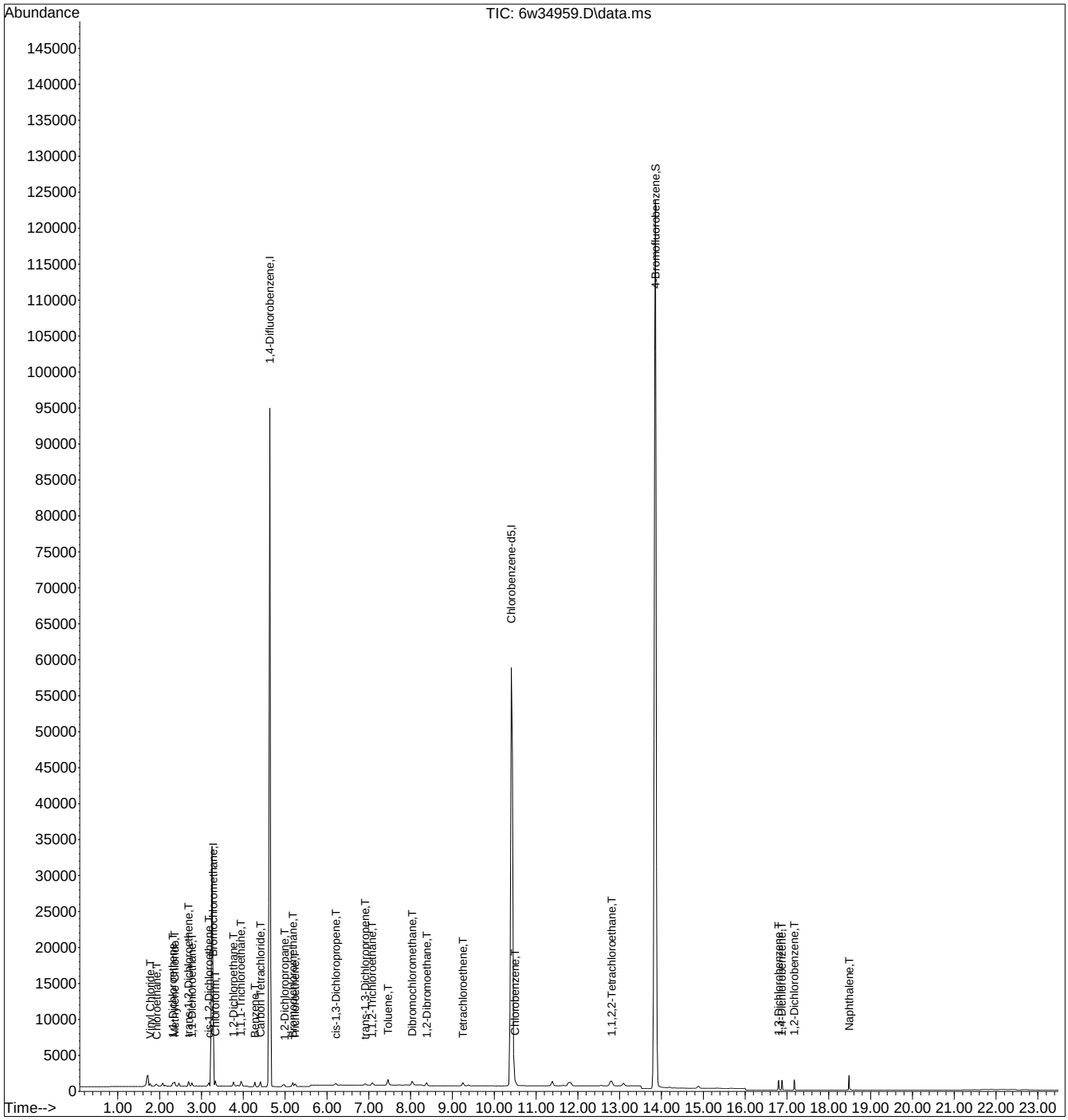
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27240	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	145783	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	64072	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	95943	10.16	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.60%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	432	0.1143	ppb(v	84
3) Vinyl Chloride	1.773	62	441	0.0866	ppb(v	92
4) Chloroethane	1.926	64	305	0.0819	ppb(v	96
5) 1,1-Dichloroethene	2.309	61	558	0.0922	ppb(v	95
6) trans-1,2-Dichloroethene	2.692	61	657	0.0918	ppb(v	95
7) 1,1-Dichloroethane	2.769	63	492m	0.0847	ppb(v	
8) cis-1,2-Dichloroethene	3.177	61	374	0.0891	ppb(v	81
9) Chloroform	3.331	83	731m	0.1094	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	595	0.1113	ppb(v	77
11) 1,2-Dichloroethane	3.765	62	552	0.1039	ppb(v	98
12) Benzene	4.278	78	910	0.0996	ppb(v	100
13) Carbon Tetrachloride	4.411	117	721	0.1279	ppb(v	99
15) Toluene	7.458	92	692	0.1012	ppb(v	96
16) Trichloroethene	5.231	95	468	0.0962	ppb(v	100
17) 1,2-Dichloropropane	4.987	65	93	0.0798	ppb(v	84
18) Bromodichloromethane	5.187	83	733	0.1100	ppb(v	99
19) cis-1,3-Dichloropropene	6.215	75	397	0.0950	ppb(v	97
20) trans-1,3-Dichloropropene	6.909	75	349	0.0913	ppb(v	97
21) 1,1,2-Trichloroethane	7.082	83	359	0.1043	ppb(v	96
22) Dibromochloromethane	8.036	129	779	0.1165	ppb(v	100
23) Tetrachloroethene	9.250	166	741	0.0994	ppb(v	92
24) 1,2-Dibromoethane	8.383	107	619	0.0968	ppb(v	97
26) Chlorobenzene	10.493	112	1039	0.0998	ppb(v	98
27) 1,1,2,2-Tetrachloroethane	12.805	83	957	0.1102	ppb(v	100
29) 1,3-Dichlorobenzene	16.799	146	1084	0.0918	ppb(v	85
30) 1,4-Dichlorobenzene	16.877	146	1107	0.0953	ppb(v	100
31) 1,2-Dichlorobenzene	17.173	146	1050	0.0920	ppb(v	96
32) Naphthalene	18.483	128	1917	0.1017	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34959.D
Acq On : 16 Feb 2025 10:15 am
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:37:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

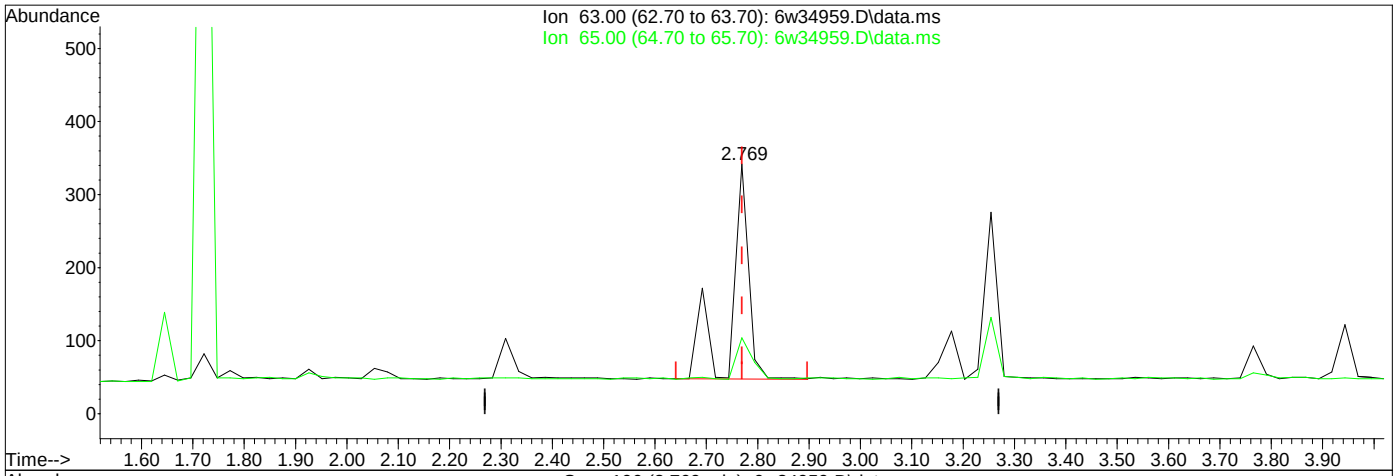
Sample Number: V6W1450-BSD
Lab FileID: 6W34959.D
Injection Time: 02/16/25 10:15
Method: TO-15 (BY SIM)
Analyst approved: 02/17/25 08:48 Geralyn Gomez
Supervisor approved: 02/17/25 11:36 Kanya Veerawat

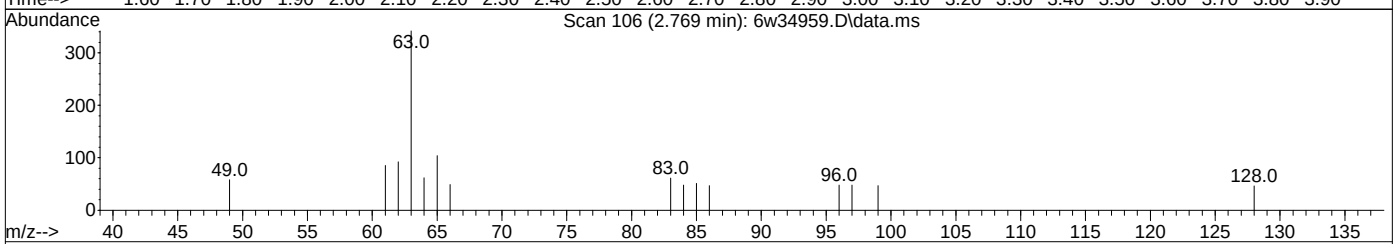
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Overlapping peak
Chloroform	67-66-3		3.33	Overlapping peak

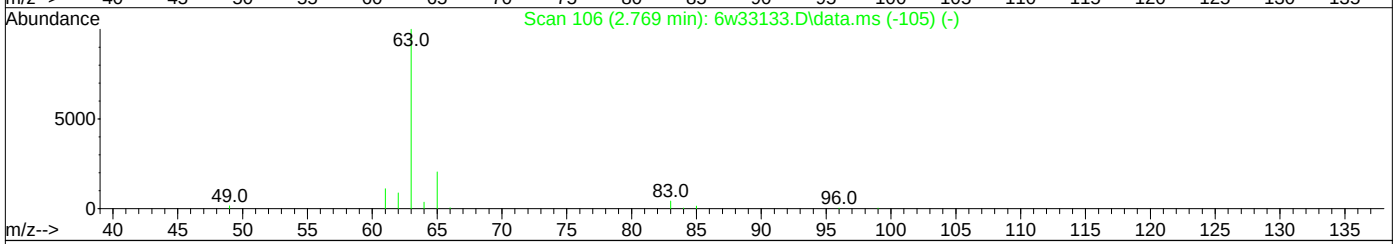
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34959.D
Acq On : 16 Feb 2025 10:15 am
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:31 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34959.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.12ppb(v)

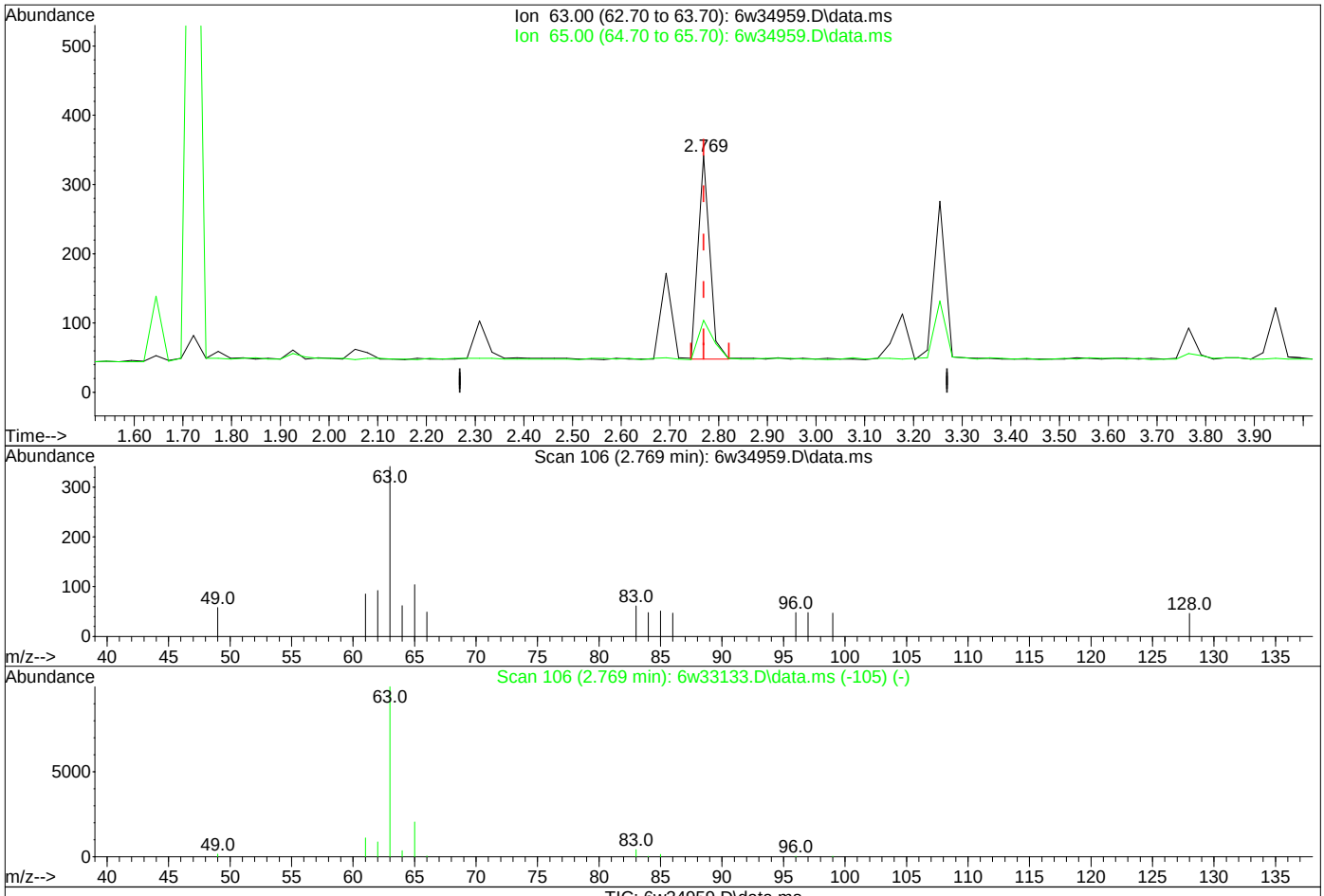
response 697

Ion	Exp%	Act%
63.00	100	100
65.00	27.70	30.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34959.D
Acq On : 16 Feb 2025 10:15 am
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:31 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



TIC: 6w34959.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.08ppb(v) m

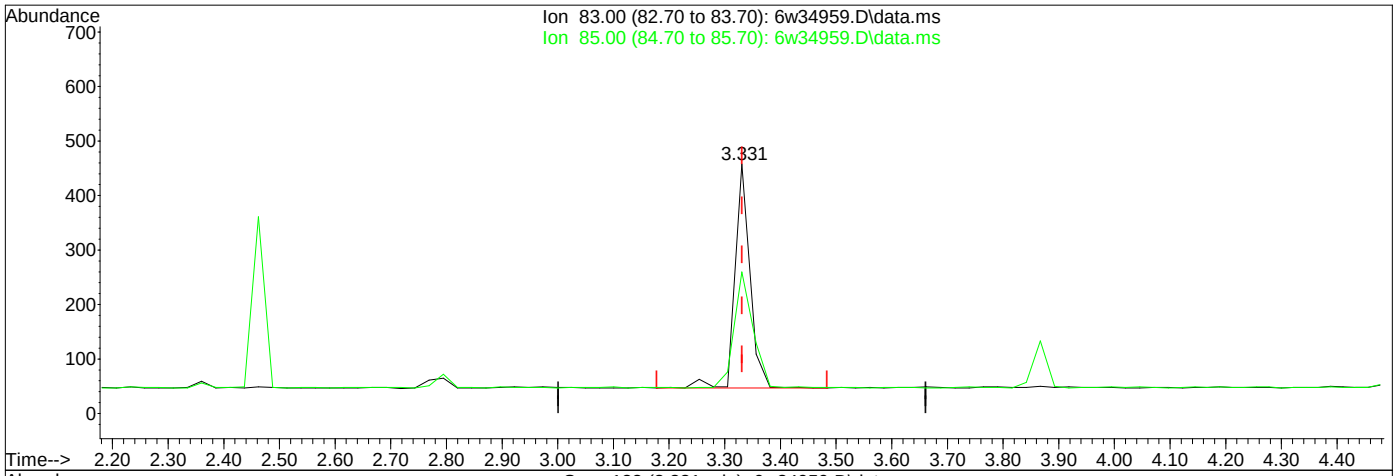
response 492

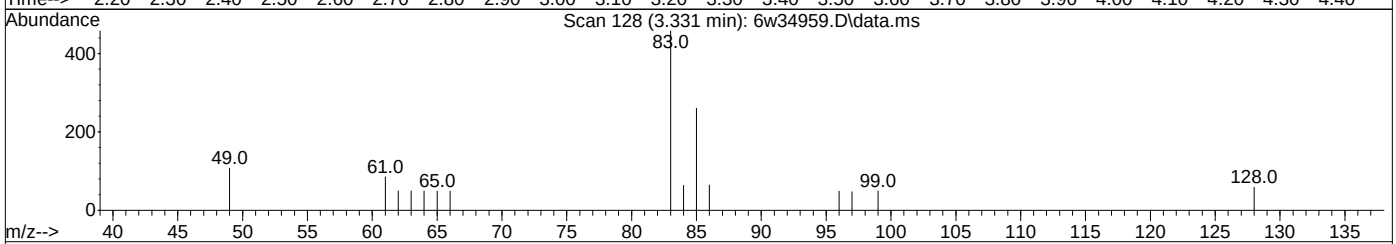
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	30.41
0.00	0.00	0.00
0.00	0.00	0.00

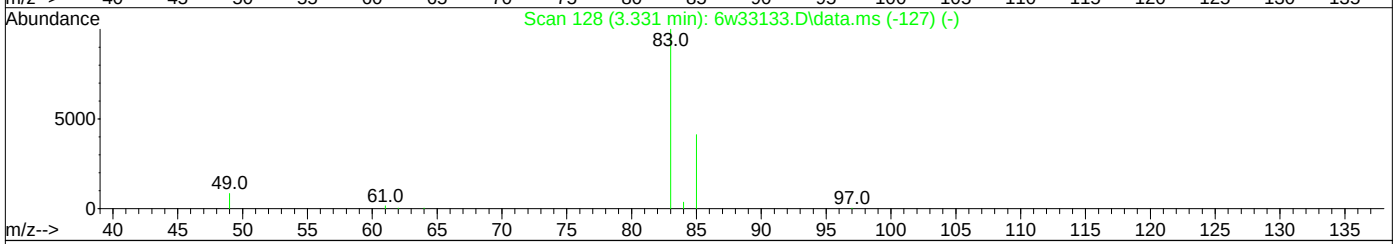
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34959.D
Acq On : 16 Feb 2025 10:15 am
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:31 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34959.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v)

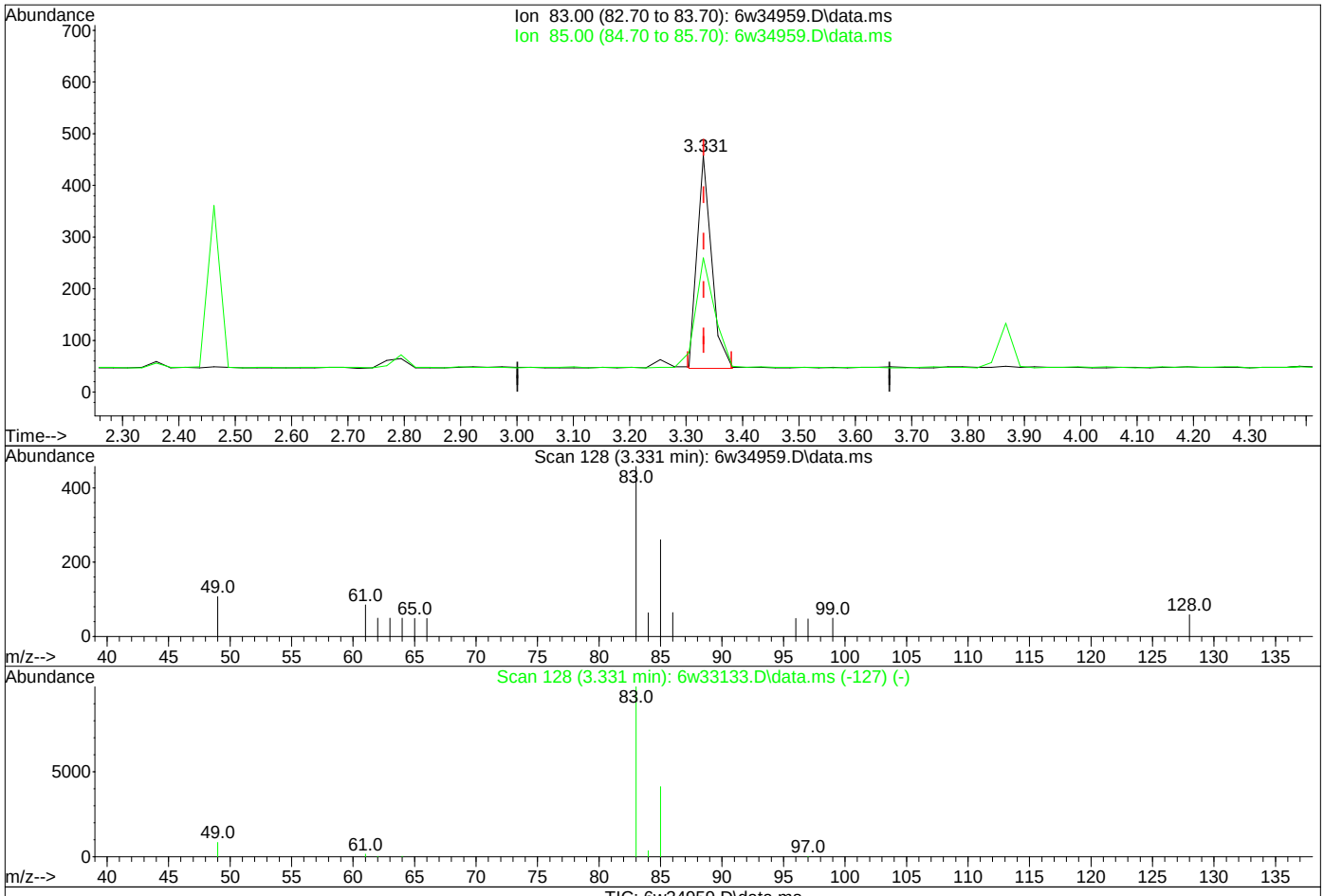
response 762

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34959.D
Acq On : 16 Feb 2025 10:15 am
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:31 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



TIC: 6w34959.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v) m

response 731

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.77
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/27/25 01:34

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 03:05:08 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

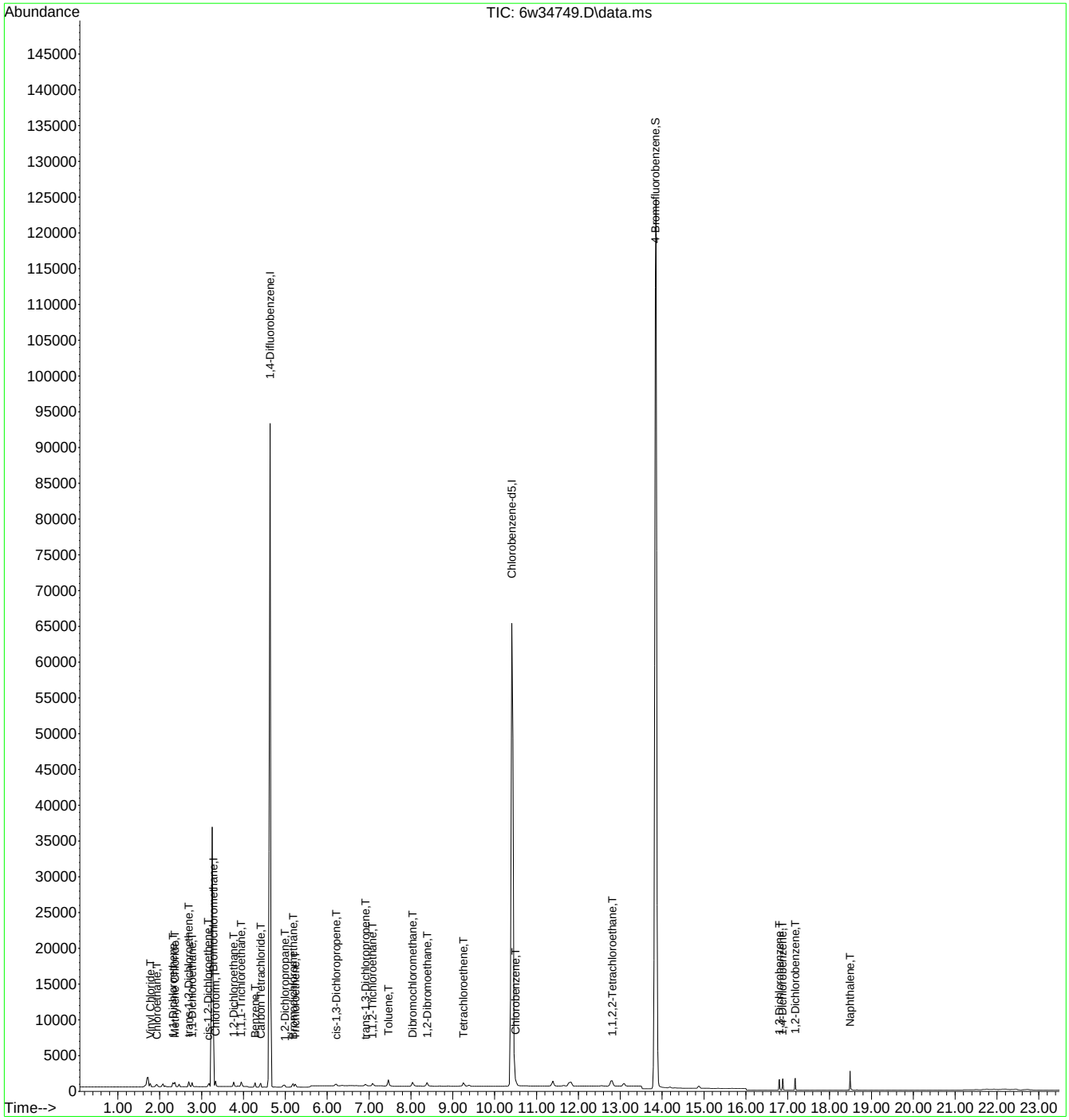
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26430	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	146745	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	71267	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	105477	10.05	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.50%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	458	0.1249	ppb(v	82
3) Vinyl Chloride	1.773	62	546	0.1105	ppb(v	100
4) Chloroethane	1.926	64	339	0.0938	ppb(v	95
5) 1,1-Dichloroethene	2.309	61	679	0.1156	ppb(v	96
6) trans-1,2-Dichloroethene	2.693	61	720	0.1037	ppb(v	94
7) 1,1-Dichloroethane	2.769	63	631m	0.1120	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	435	0.1068	ppb(v#	22
9) Chloroform	3.331	83	709m	0.1093	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	570	0.1099	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	565	0.1096	ppb(v	98
12) Benzene	4.278	78	922	0.1040	ppb(v	99
13) Carbon Tetrachloride	4.411	117	628	0.1148	ppb(v	96
15) Toluene	7.458	92	747	0.1086	ppb(v	98
16) Trichloroethene	5.232	95	467	0.0954	ppb(v	87
17) 1,2-Dichloropropane	4.988	65	102	0.0870	ppb(v	96
18) Bromodichloromethane	5.187	83	681	0.1015	ppb(v	95
19) cis-1,3-Dichloropropene	6.216	75	427	0.1016	ppb(v	95
20) trans-1,3-Dichloropropene	6.909	75	371	0.0965	ppb(v	99
21) 1,1,2-Trichloroethane	7.083	83	336	0.0970	ppb(v	92
22) Dibromochloromethane	8.036	129	782	0.1162	ppb(v	99
23) Tetrachloroethene	9.250	166	789	0.1052	ppb(v	100
24) 1,2-Dibromoethane	8.383	107	708	0.1100	ppb(v	99
26) Chlorobenzene	10.493	112	1158	0.1000	ppb(v	98
27) 1,1,2,2-Tetrachloroethane	12.805	83	1041	0.1078	ppb(v	99
29) 1,3-Dichlorobenzene	16.800	146	1232	0.0938	ppb(v	81
30) 1,4-Dichlorobenzene	16.877	146	1254	0.0971	ppb(v	99
31) 1,2-Dichlorobenzene	17.180	146	1221	0.0961	ppb(v	89
32) Naphthalene	18.491	128	2420	0.1154	ppb(v	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 03:05:08 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

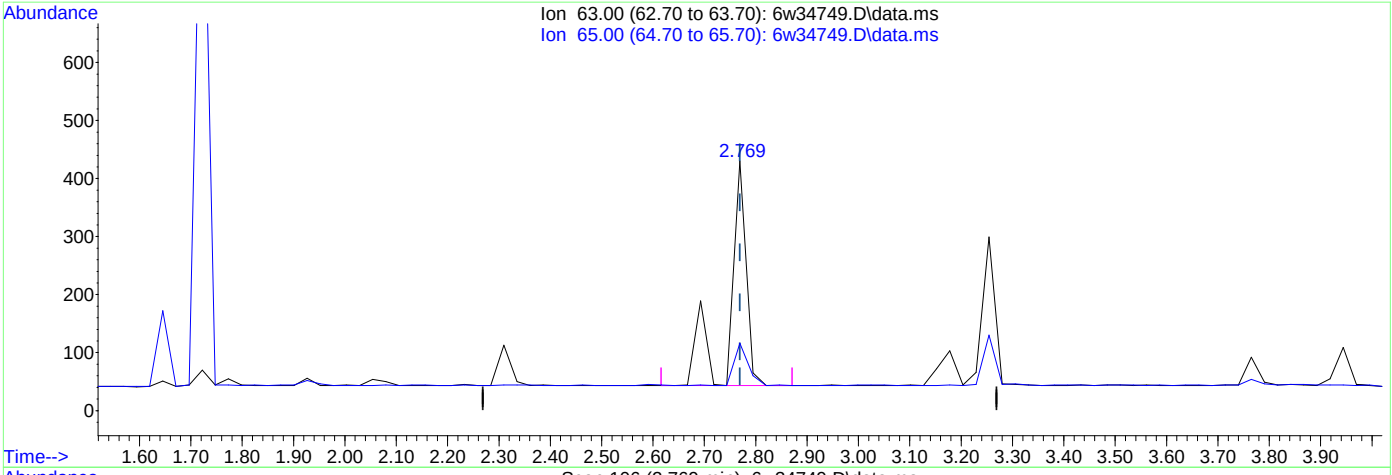
Sample Number: V6W1442-BS
Lab FileID: 6W34749.D
Injection Time: 01/30/25 18:32
Method: TO-15 (BY SIM)
Analyst approved: 02/26/25 23:55 Lucky Carandang
Supervisor approved: 02/27/25 01:34 Kanya Veerawat

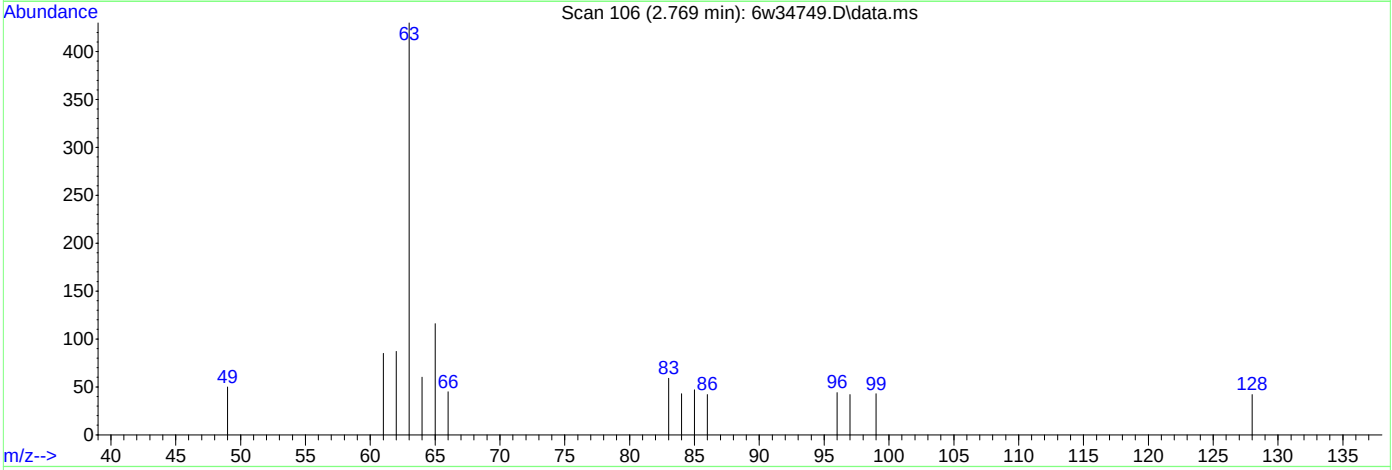
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Overlapping peak
Chloroform	67-66-3		3.33	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:19:09 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34749.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.15ppb(v)

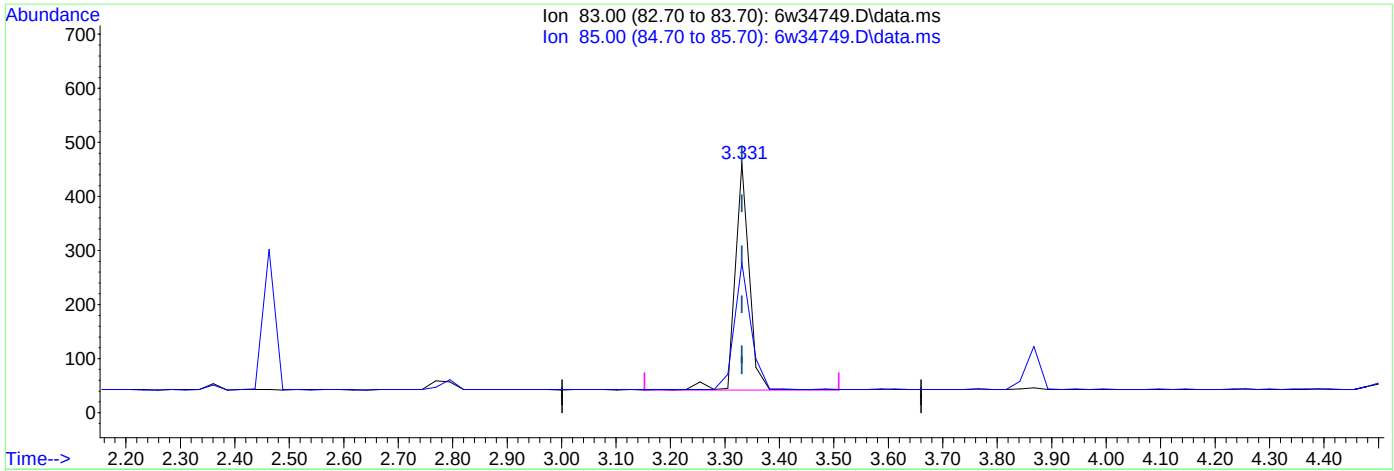
response 855

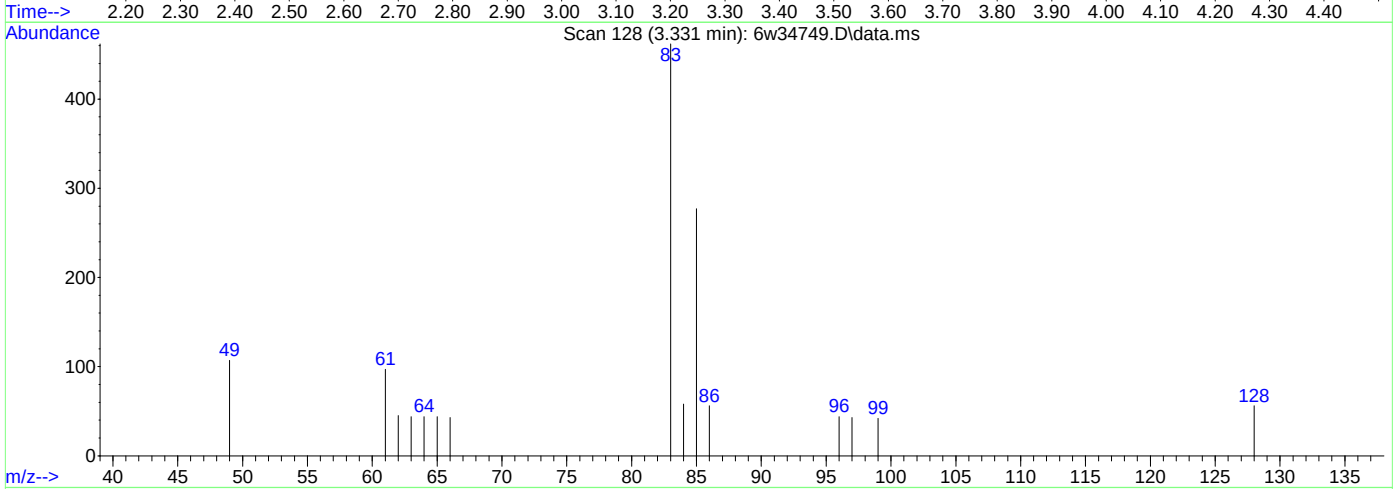
Ion	Exp%	Act%
63.00	100	100
65.00	27.00	26.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:19:09 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34749.D\data.ms

(9) Chloroform (T)

3.331min (+0.000) 0.11ppb(v)

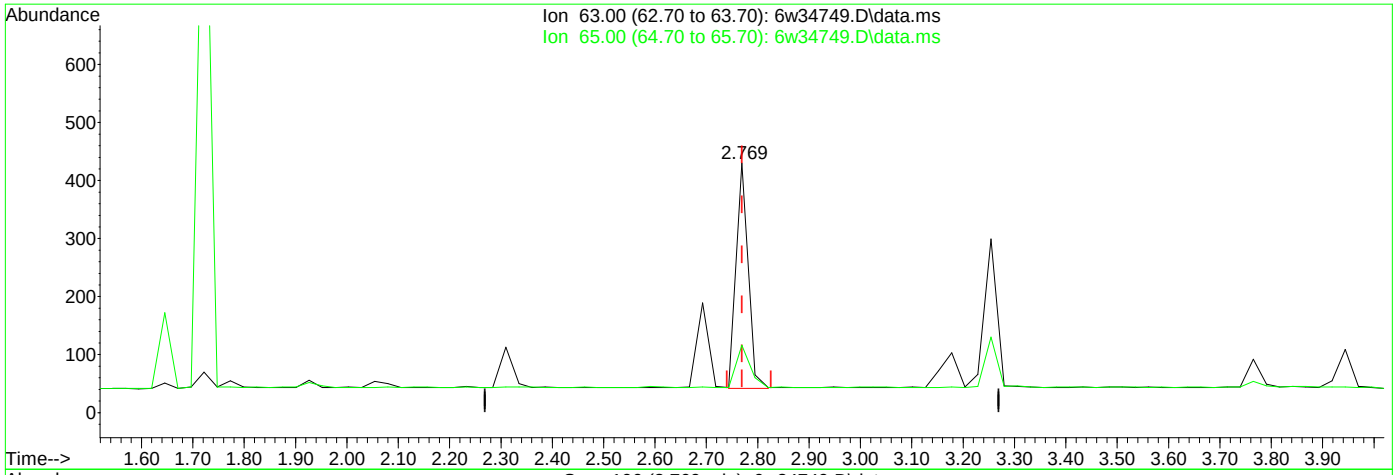
response 749

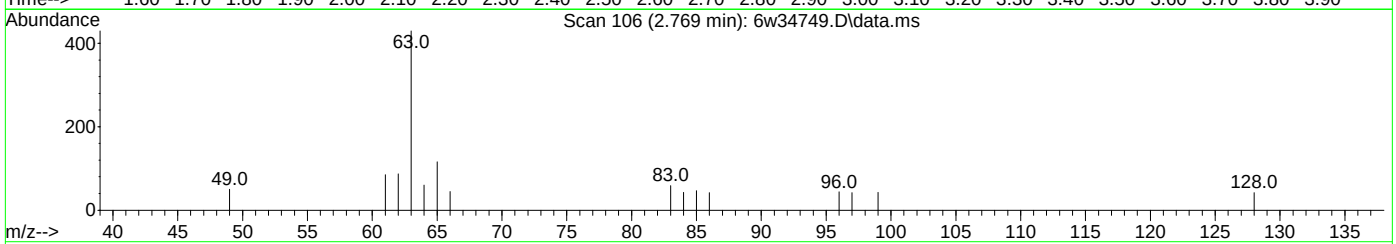
Ion	Exp%	Act%
83.00	100	100
85.00	60.00	59.96
0.00	0.00	0.00
0.00	0.00	0.00

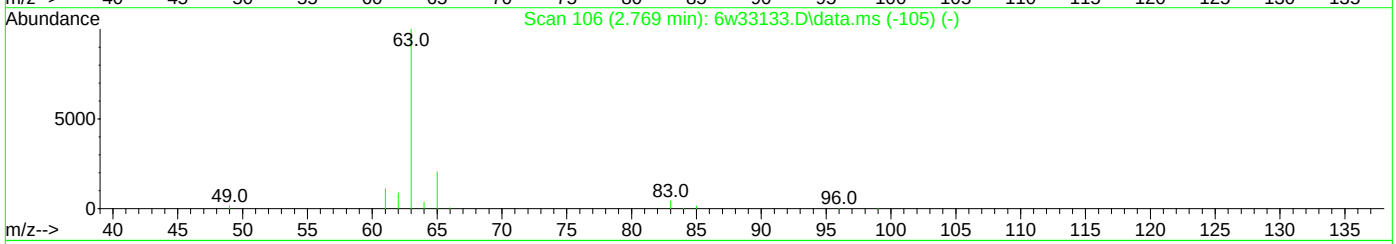
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:47:33 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34749.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.11ppb(v) m

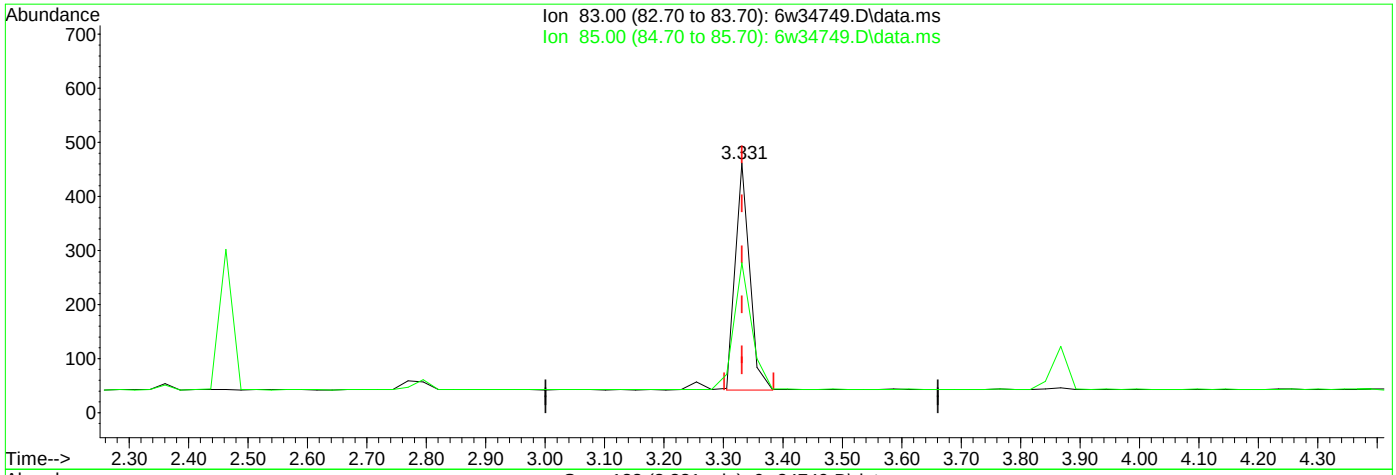
response 631

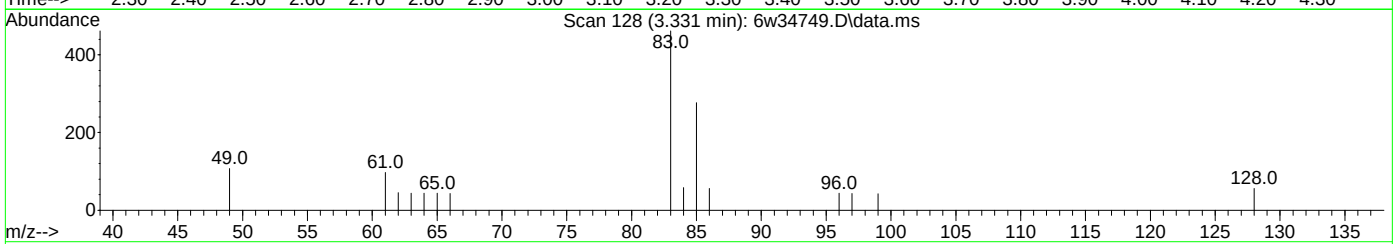
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	26.98
0.00	0.00	0.00
0.00	0.00	0.00

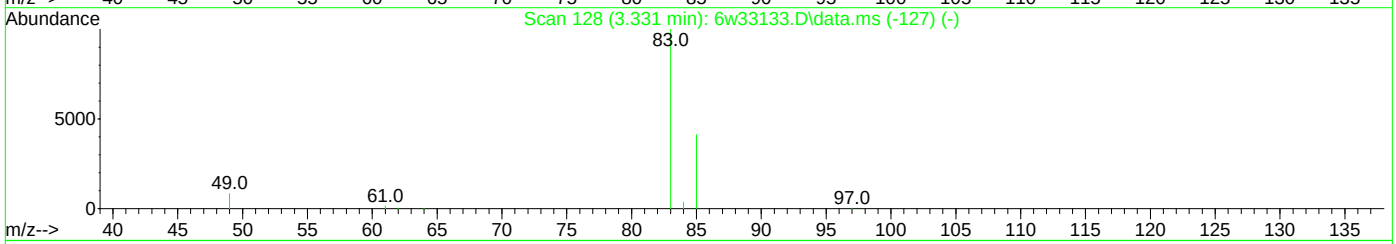
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:47:33 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34749.D\data.ms

(9) Chloroform (T)

3.331min (+0.000) 0.11ppb(v) m

response 709

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	59.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/27/25 01:34

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 03:11:05 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

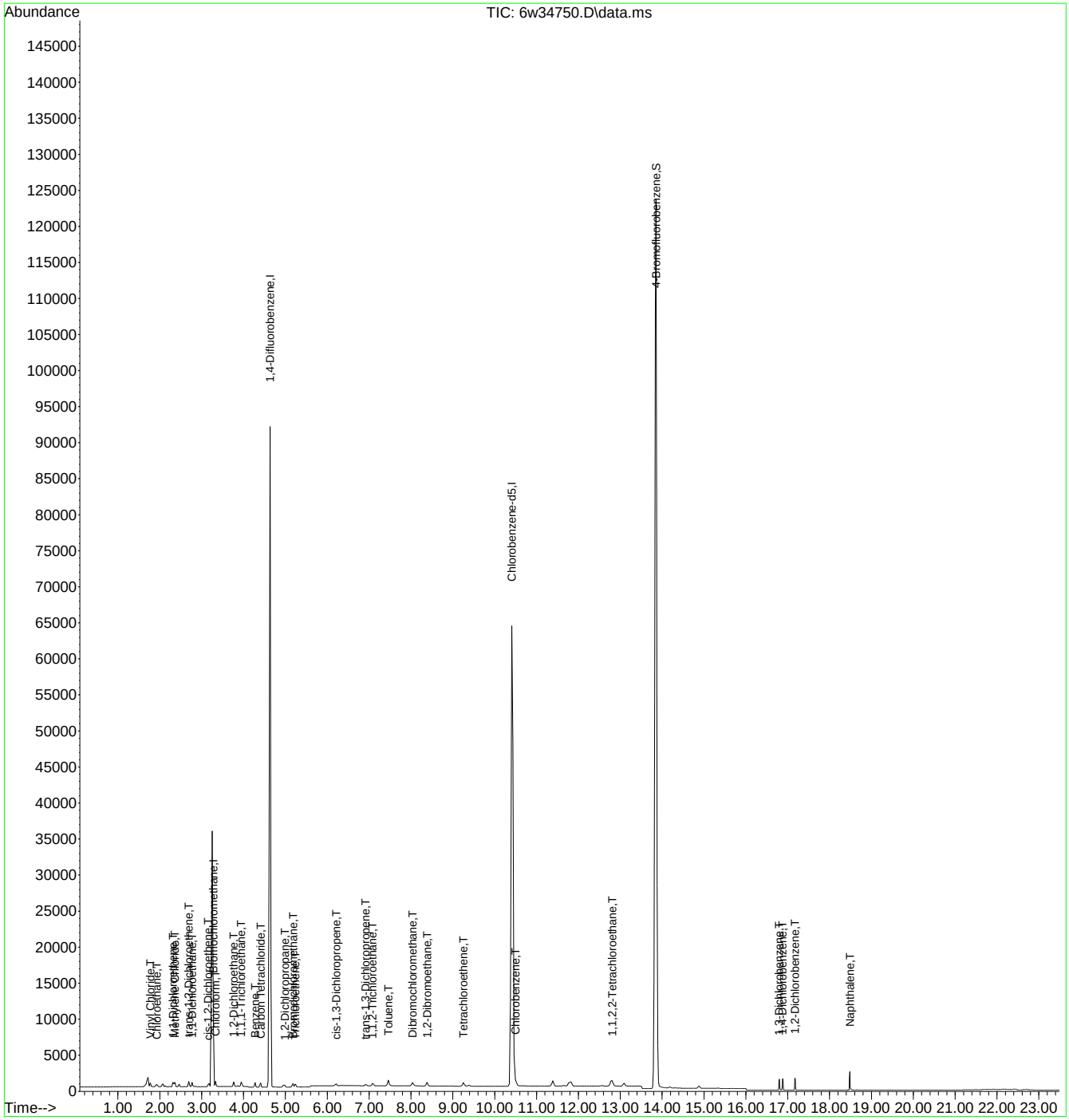
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	25869	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	143671	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	69653	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	103696	10.10	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.00%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	467	0.1301	ppb(v#	76
3) Vinyl Chloride	1.773	62	596	0.1232	ppb(v	99
4) Chloroethane	1.926	64	342	0.0967	ppb(v	93
5) 1,1-Dichloroethene	2.309	61	723	0.1258	ppb(v	94
6) trans-1,2-Dichloroethene	2.692	61	728	0.1071	ppb(v#	94
7) 1,1-Dichloroethane	2.769	63	636m	0.1153	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	437	0.1096	ppb(v#	22
9) Chloroform	3.331	83	709m	0.1117	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	576	0.1135	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	578	0.1146	ppb(v	100
12) Benzene	4.278	78	941	0.1085	ppb(v	100
13) Carbon Tetrachloride	4.411	117	627	0.1171	ppb(v	98
15) Toluene	7.458	92	652	0.0968	ppb(v	98
16) Trichloroethene	5.231	95	467	0.0974	ppb(v	92
17) 1,2-Dichloropropane	4.987	65	120	0.1045	ppb(v	94
18) Bromodichloromethane	5.187	83	684	0.1041	ppb(v	98
19) cis-1,3-Dichloropropene	6.215	75	428	0.1040	ppb(v	98
20) trans-1,3-Dichloropropene	6.909	75	364	0.0967	ppb(v	100
21) 1,1,2-Trichloroethane	7.082	83	340	0.1002	ppb(v	95
22) Dibromochloromethane	8.036	129	692	0.1050	ppb(v	96
23) Tetrachloroethene	9.250	166	784	0.1068	ppb(v	99
24) 1,2-Dibromoethane	8.383	107	711	0.1128	ppb(v	99
26) Chlorobenzene	10.493	112	1150	0.1016	ppb(v	98
27) 1,1,2,2-Tetrachloroethane	12.805	83	1027	0.1088	ppb(v	100
29) 1,3-Dichlorobenzene	16.792	146	1244	0.0969	ppb(v	100
30) 1,4-Dichlorobenzene	16.877	146	1263	0.1000	ppb(v	100
31) 1,2-Dichlorobenzene	17.173	146	1212	0.0977	ppb(v	99
32) Naphthalene	18.483	128	2481	0.1211	ppb(v	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 03:11:05 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

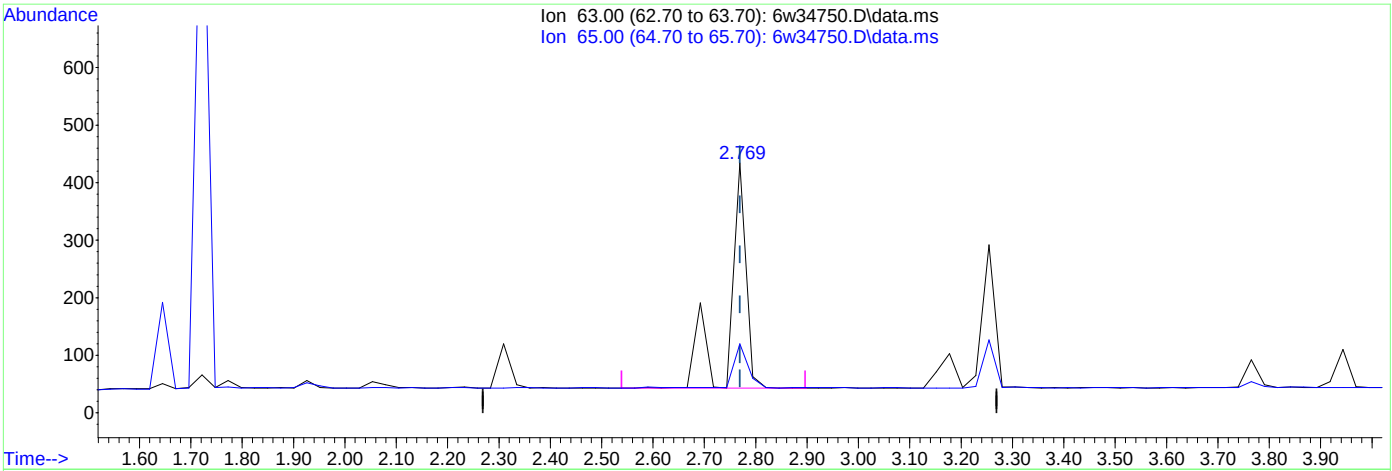
Sample Number: V6W1442-BSD
Lab FileID: 6W34750.D
Injection Time: 01/30/25 19:09
Method: TO-15 (BY SIM)
Analyst approved: 02/26/25 23:55 Lucky Carandang
Supervisor approved: 02/27/25 01:34 Kanya Veerawat

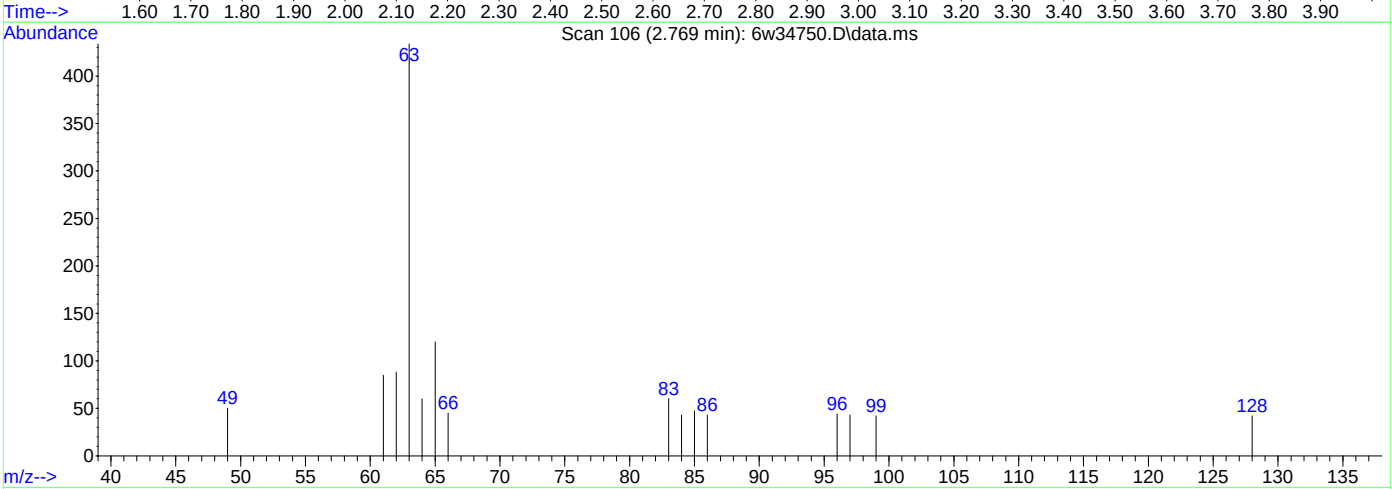
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Overlapping peak
Chloroform	67-66-3		3.33	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:24:59 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34750.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.15ppb(v)

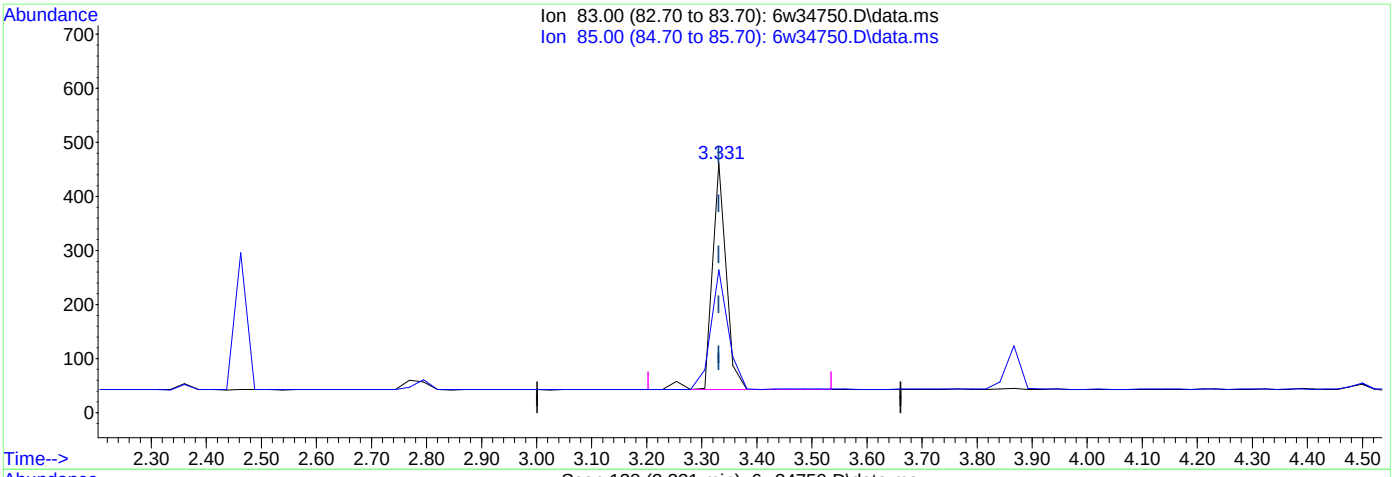
response 866

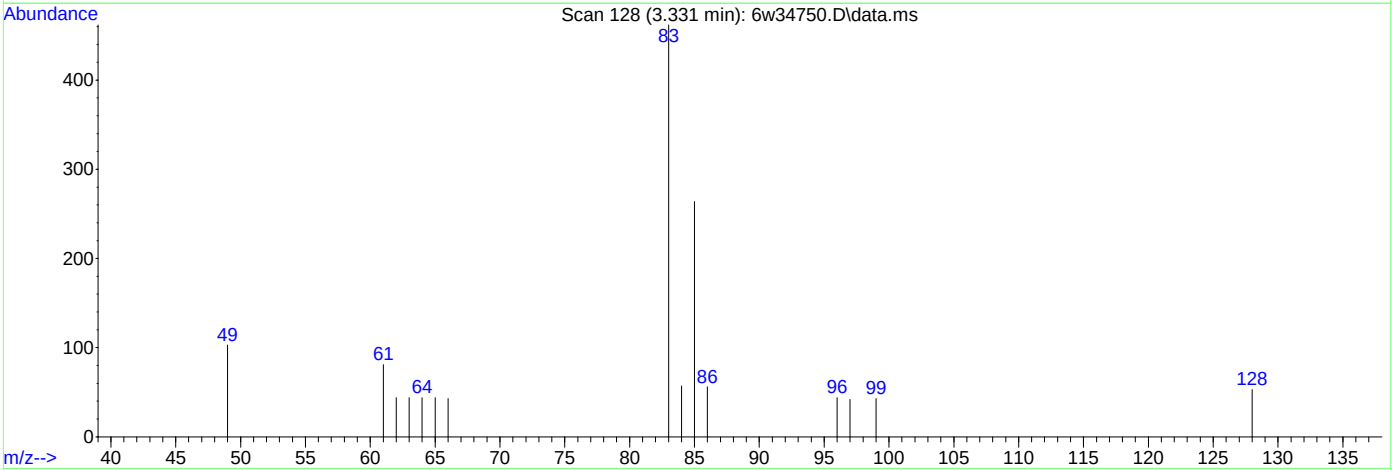
Ion	Exp%	Act%
63.00	100	100
65.00	27.00	27.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:24:59 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34750.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v)

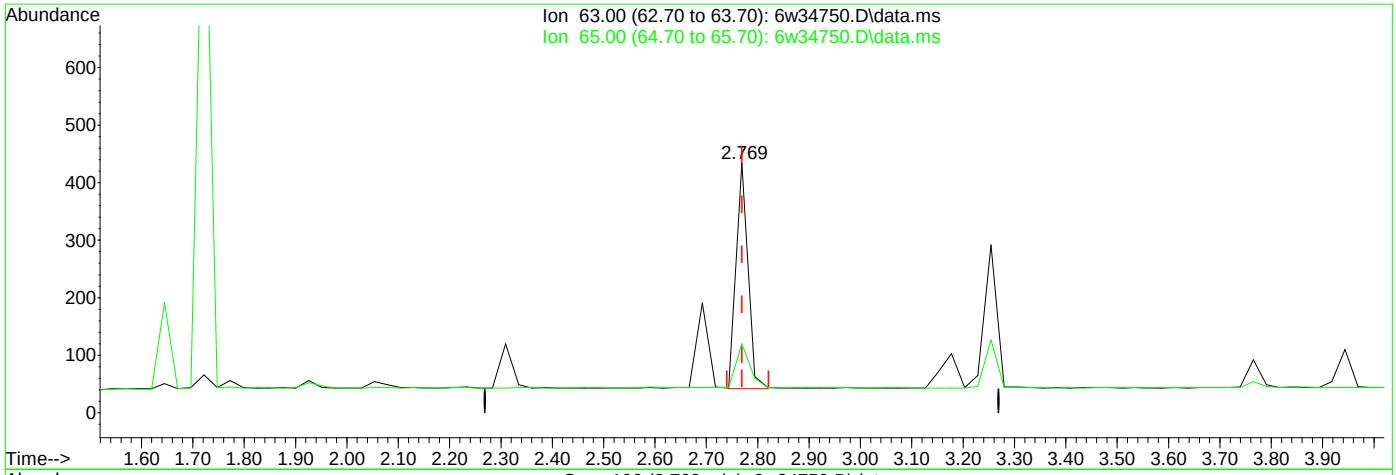
response 736

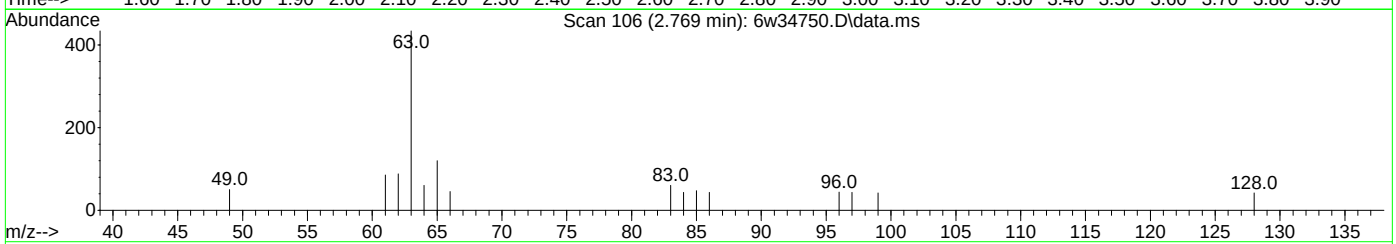
Ion	Exp%	Act%
83.00	100	100
85.00	60.00	57.14
0.00	0.00	0.00
0.00	0.00	0.00

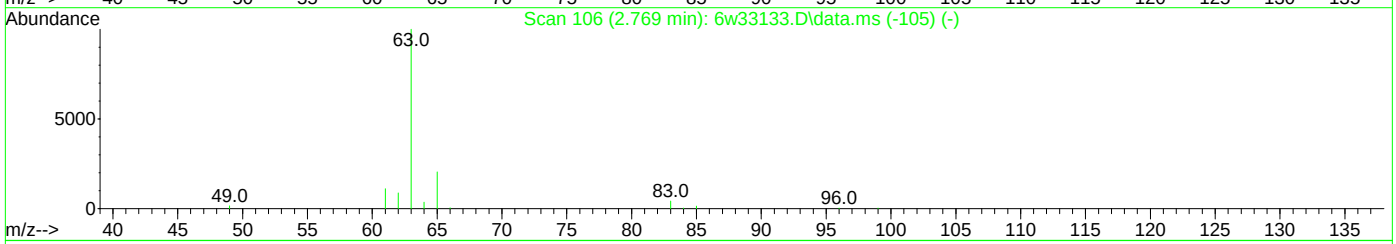
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:47:40 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34750.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.12ppb(v) m

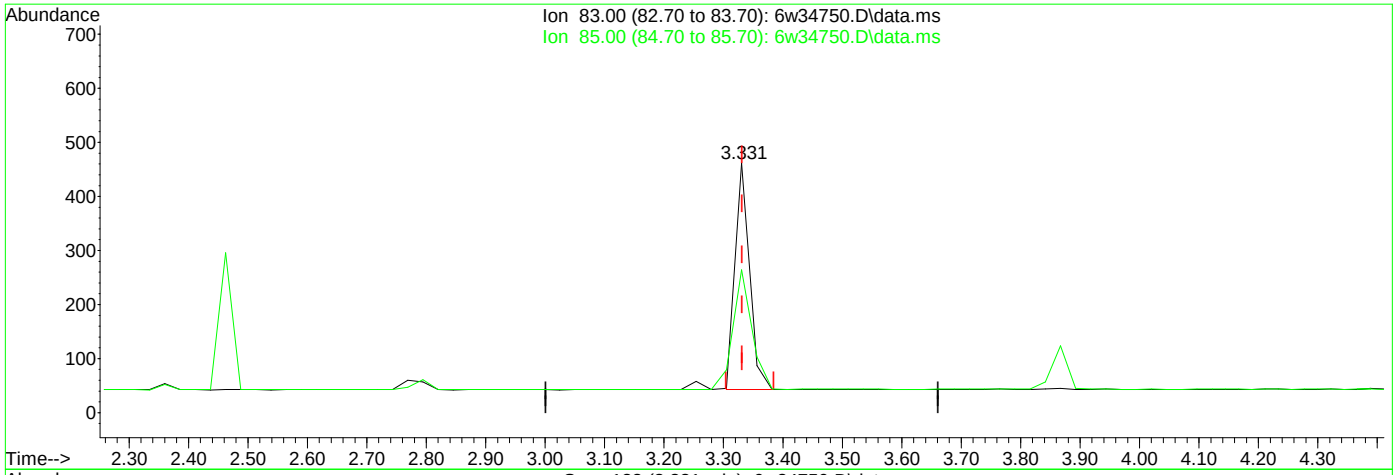
response 636

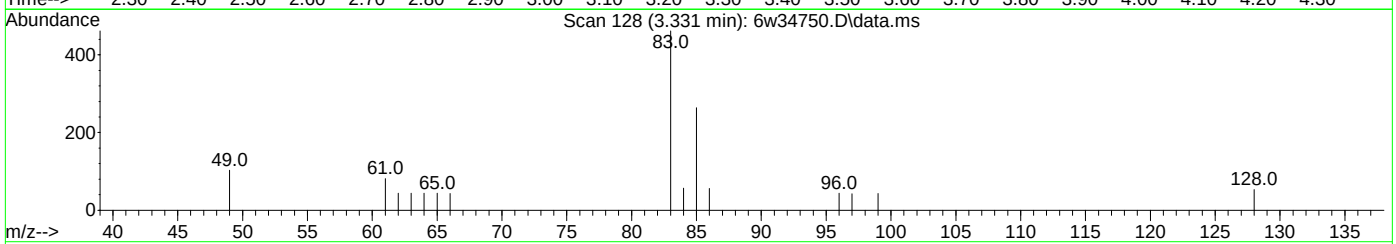
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	27.65
0.00	0.00	0.00
0.00	0.00	0.00

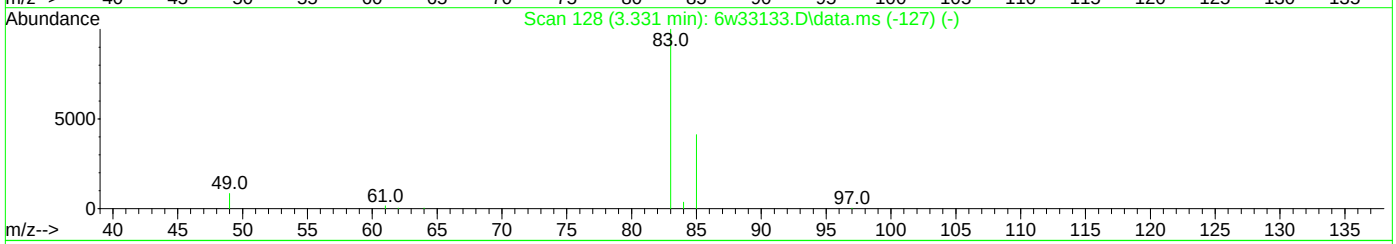
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:47:40 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34750.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v) m

response 709

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	57.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457\
Data File : 7w12951.D
Acq On : 24 Feb 2025 3:26 am
Operator : benk
Sample : je5794-8dup Inst : MS7W
Misc : MS89750,v7w457,620,,,,1.55
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 25 17:23:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	130088	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	633001	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	579347	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	130088	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	422617	10.05	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	0.000		0	N.D.		
3) FREON 152A	0.000		0	N.D.	d	
4) CHLORODIFLUOROMETHANE	0.000		0	N.D.	d	
5) CHLOROTRIFLUOROETHENE	0.000		0	N.D.		
6) DICHLORODIFLUOROMETHANE	0.000		0	N.D.	d	
7) PROPYLENE	0.000		0	N.D.	d	
8) 1-CHLORO-1,1-DIFLUOROE...	0.000		0	N.D.	d	
9) FREON 114	0.000		0	N.D.	d	
10) CHLOROMETHANE	0.000		0	N.D.	d	
11) VINYL CHLORIDE	0.000		0	N.D.	d	
12) 1,3-BUTADIENE	0.000		0	N.D.	d	
13) N-BUTANE	0.000		0	N.D.	d	
14) BROMOMETHANE	0.000		0	N.D.	d	
15) CHLOROETHANE	0.000		0	N.D.	d	
16) DICHLOROFLUOROMETHANE	0.000		0	N.D.	d	
17) ACETONITRILE	0.000		0	N.D.	d	
18) ACROLEIN	0.000		0	N.D.	d	
19) FREON 123	0.000		0	N.D.	d	
20) FREON 123A	0.000		0	N.D.	d	
21) TRICHLOROFLUOROMETHANE	0.000		0	N.D.	d	
22) ISOPROPYL ALCOHOL	0.000		0	N.D.	d	
23) ACETONE	0.000		0	N.D.	d	
24) PENTANE	0.000		0	N.D.	d	
25) IODOMETHANE	0.000		0	N.D.	d	
26) 1,1-DICHLOROETHYLENE	0.000		0	N.D.	d	
27) CARBON DISULFIDE	0.000		0	N.D.	d	
28) ETHANOL	0.000		0	N.D.	d	
29) BROMOETHENE	0.000		0	N.D.	d	
30) ACRYLONITRILE	0.000		0	N.D.	d	
31) METHYLENE CHLORIDE	2.396	84	34396	3.3406	PPBV	95
32) 3-CHLOROPROPENE	0.000		0	N.D.	d	
33) FREON 113	0.000		0	N.D.	d	
34) TRANS-1,2-DICHLOROETHENE	0.000		0	N.D.	d	
35) TERTIARY BUTYL ALCOHOL	0.000		0	N.D.	d	
36) METHYL TERTIARY BUTYL ...	0.000		0	N.D.	d	
37) TETRAHYDROFURAN	0.000		0	N.D.	d	
38) HEXANE	0.000		0	N.D.	d	
39) VINYL ACETATE	0.000		0	N.D.	d	
40) 1,1-DICHLOROETHANE	0.000		0	N.D.	d	
41) METHYL ETHYL KETONE	0.000		0	N.D.	d	
42) CIS-1,2-DICHLOROETHENE	0.000		0	N.D.	d	
43) DIISOPROPYL ETHER	0.000		0	N.D.	d	
44) ETHYL ACETATE	0.000		0	N.D.	d	
45) METHYL ACRYLATE	0.000		0	N.D.	d	
46) CHLOROFORM	3.296	83	35878	1.5089	PPBV	85
47) 2,4-DIMETHYLPENTANE	0.000		0	N.D.	d	
48) 1,1,1-TRICHLOROETHANE	3.865	97	391219	15.3431	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	1050828	41.5542	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457\
Data File : 7w12951.D
Acq On : 24 Feb 2025 3:26 am
Operator : benk
Sample : je5794-8dup Inst : MS7W
Misc : MS89750,v7w457,620,,,,1.55
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 25 17:23:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	0.000		0	N.D.	d	
51)	BENZENE	0.000		0	N.D.	d	
53)	CYCLOHEXANE	0.000		0	N.D.	d	
54)	2,3-DIMETHYLPENTANE	0.000		0	N.D.	d	
55)	TRICHLOROETHENE	5.061	95	549785	34.1681	PPBV	98
56)	1,2-DICHLOROPROPANE	0.000		0	N.D.	d	
57)	DIBROMOMETHANE	0.000		0	N.D.	d	
58)	ETHYL ACRYLATE	0.000		0	N.D.	d	
59)	BROMODICHLOROMETHANE	0.000		0	N.D.	d	
60)	2,2,4-TRIMETHYLPENTANE	0.000		0	N.D.	d	
61)	1,4-DIOXANE	0.000		0	N.D.	d	
62)	HEPTANE	0.000		0	N.D.	d	
63)	METHYL METHACRYLATE	0.000		0	N.D.	d	
64)	METHYL ISOBUTYL KETONE	0.000		0	N.D.	d	
65)	CIS-1,3-DICHLOROPROPENE	0.000		0	N.D.		
66)	TOLUENE	7.187	91	41756	0.9336	PPBV	100
67)	1,3-DICHLOROPROPANE	0.000		0	N.D.	d	
68)	TRANS-1,3-DICHLOROPROPENE	0.000		0	N.D.		
69)	1,1,2-TRICHLOROETHANE	0.000		0	N.D.		
70)	2-HEXANONE	0.000		0	N.D.	d	
71)	ETHYL METHACRYLATE	0.000		0	N.D.	d	
72)	TETRACHLOROETHENE	0.000		0	N.D.	d	
73)	DIBROMOCHLOROMETHANE	0.000		0	N.D.		
74)	1,2-DIBROMOETHANE	0.000		0	N.D.		
75)	OCTANE	0.000		0	N.D.	d	
77)	1,1,1,2-TETRACHLOROETHANE	0.000		0	N.D.	d	
78)	CHLOROBENZENE	0.000		0	N.D.	d	
79)	ETHYLBENZENE	0.000		0	N.D.	d	
80)	M,P-XYLENE	0.000		0	N.D.	d	
81)	O-XYLENE	0.000		0	N.D.	d	
82)	STYRENE	0.000		0	N.D.	d	
83)	NONANE	0.000		0	N.D.	d	
84)	BROMOFORM	0.000		0	N.D.		
85)	1,1,2,2-TETRACHLOROETHANE	0.000		0	N.D.	d	
86)	1,2,3-TRICHLOROPROPANE	0.000		0	N.D.		
88)	ISOPROPYLBENZENE	0.000		0	N.D.	d	
89)	BROMOBENZENE	0.000		0	N.D.	d	
90)	2-CHLOROTOLUENE	0.000		0	N.D.		
91)	N-PROPYLBENZENE	0.000		0	N.D.	d	
92)	4-ETHYLTOLUENE	0.000		0	N.D.	d	
93)	1,3,5-TRIMETHYLBENZENE	0.000		0	N.D.	d	
94)	ALPHA-METHYLSTYRENE	0.000		0	N.D.	d	
95)	TERT-BUTYLBENZENE	0.000		0	N.D.		
96)	1,2,4-TRIMETHYLBENZENE	0.000		0	N.D.	d	
97)	BENZYL CHLORIDE	0.000		0	N.D.	d	
98)	M-DICHLOROBENZENE	0.000		0	N.D.	d	
99)	P-DICHLOROBENZENE	0.000		0	N.D.	d	
100)	O-DICHLOROBENZENE	0.000		0	N.D.	d	
101)	SEC-BUTYLBENZENE	0.000		0	N.D.	d	
102)	1,2,3-TRIMETHYLBENZENE	0.000		0	N.D.	d	
103)	P-ISOPROPYLTOLUENE	0.000		0	N.D.	d	
104)	N-BUTYLBENZENE	0.000		0	N.D.	d	
105)	HEXACHLOROETHANE	0.000		0	N.D.	d	
106)	HEXACHLOROBUTADIENE	0.000		0	N.D.	d	
107)	1,2,4-TRICHLOROBENZENE	0.000		0	N.D.	d	
108)	NAPHTHALENE	0.000		0	N.D.	d	
110)	TVHC as equiv Pentane	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457\
Data File : 7w12951.D
Acq On : 24 Feb 2025 3:26 am
Operator : benk
Sample : je5794-8dup Inst : MS7W
Misc : MS89750,v7w457,620,,,,1.55
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 25 17:23:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

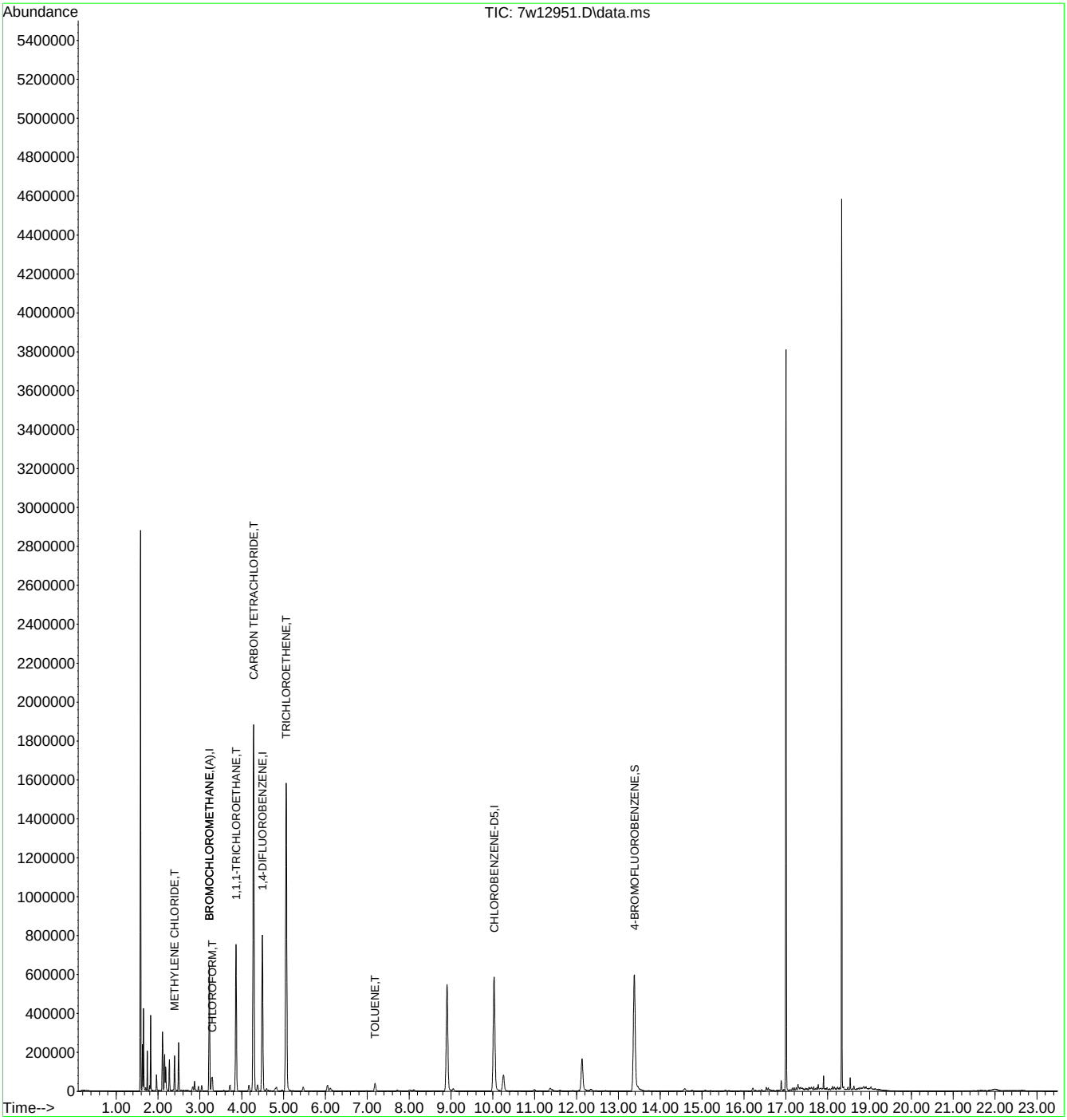
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

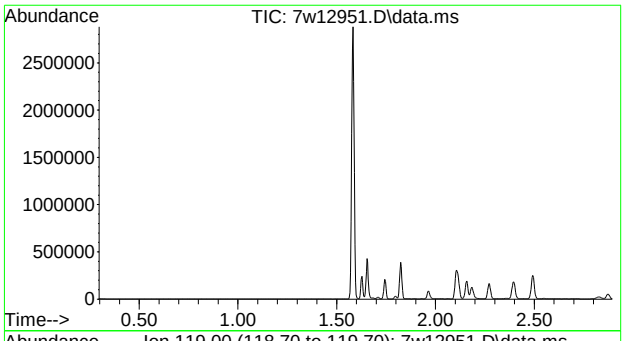
(#) = qualifier out of range (m) = manual integration (+) = signals summed

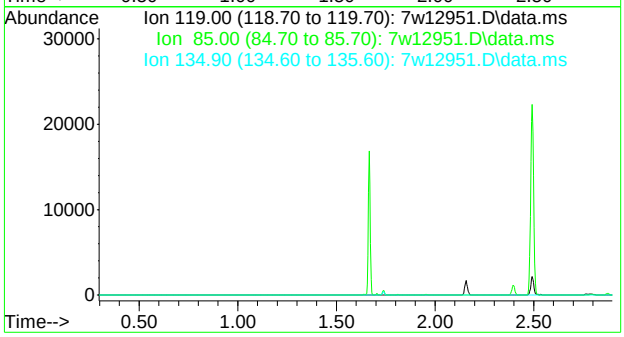
Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\25 Feb 2025\V7W457\
Data File : 7w12951.D
Acq On : 24 Feb 2025 3:26 am
Operator : benk
Sample : je5794-8dup Inst : MS7W
Misc : MS89750,v7w457,620,,,,1.55
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 25 17:23:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration





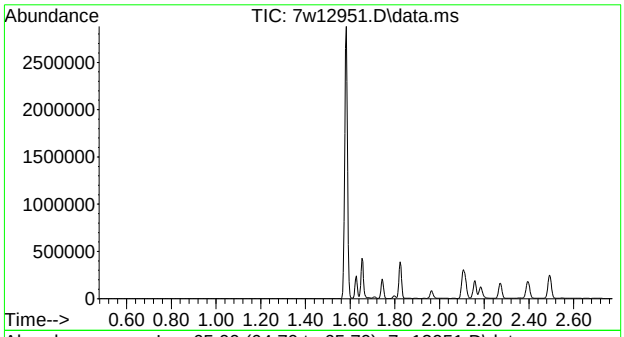


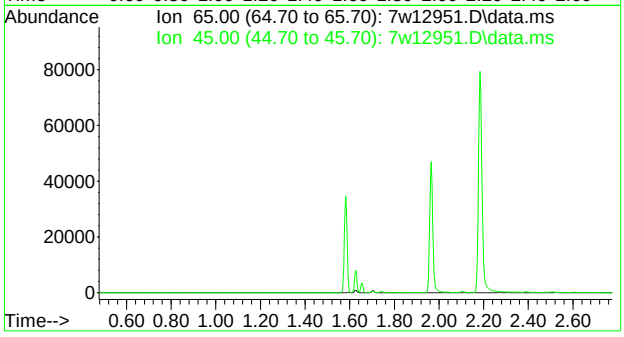
#2
FREON 115
Concen: N.D.
Expected RT: 1.60 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 119

Sig	Exp Ratio
119	100
85	141.7
135	53.2



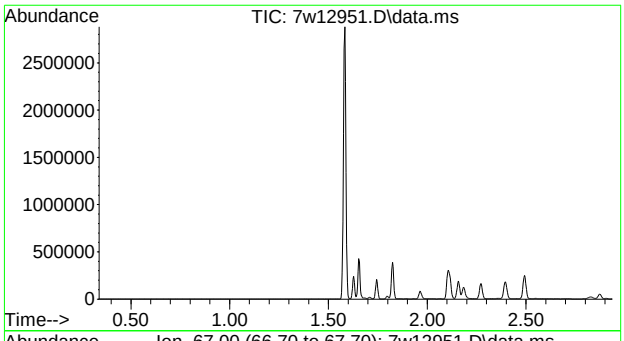


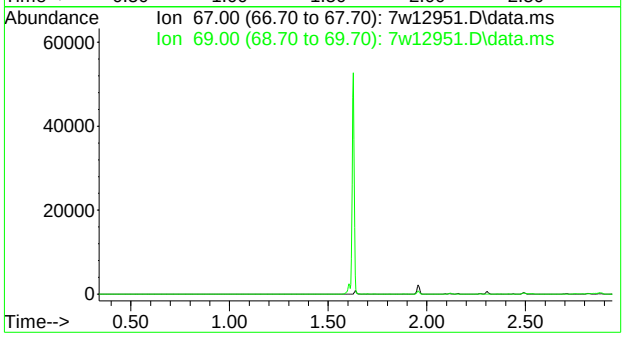
#3
FREON 152A
Concen: N.D.
Expected RT: 1.63 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 65

Sig	Exp Ratio
65	100
45	33.6



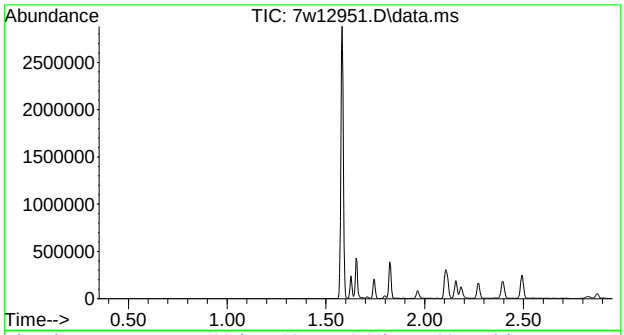


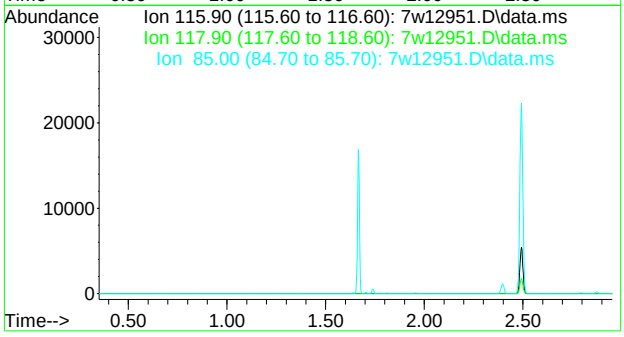
#4
CHLORODIFLUOROMETHANE
Concen: N.D.
Expected RT: 1.64 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 67

Sig	Exp Ratio
67	100
69	34.9



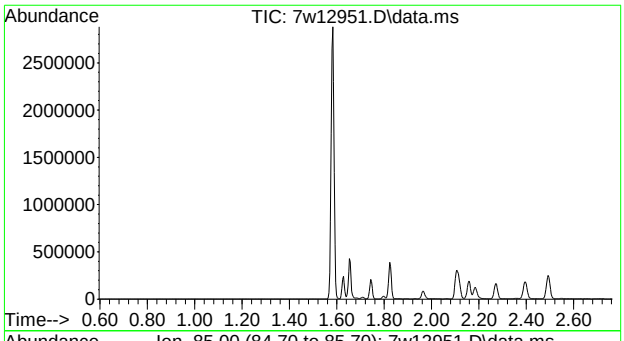


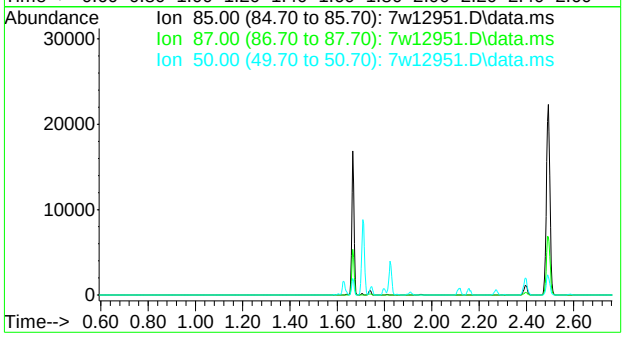
#5
CHLOROTRIFLUOROETHENE
Concen: N.D.
Expected RT: 1.65 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 116

Sig	Exp Ratio
116	100
118	32.4
85	213.4



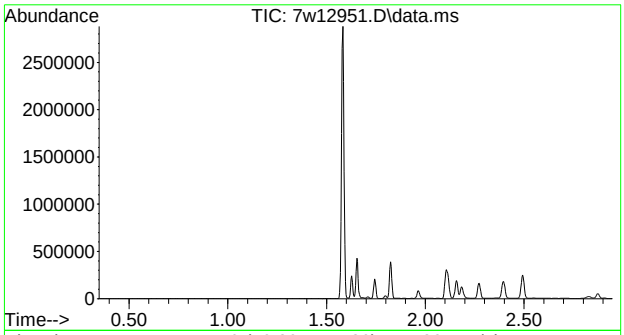


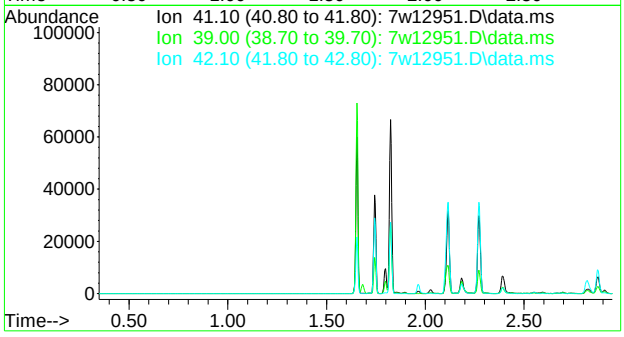
#6
DICHLORODIFLUOROMETHANE
Concen: N.D.
Expected RT: 1.66 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 85

Sig	Exp Ratio
85	100
87	32.1
50	19.7



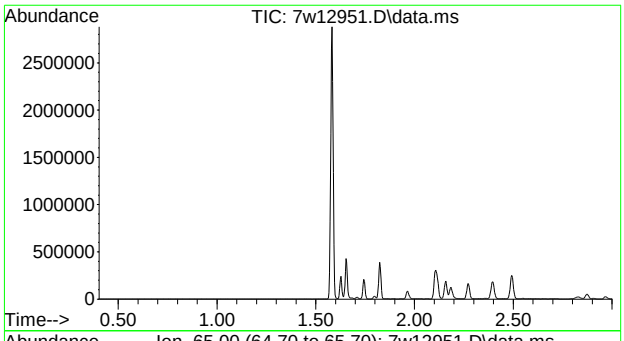


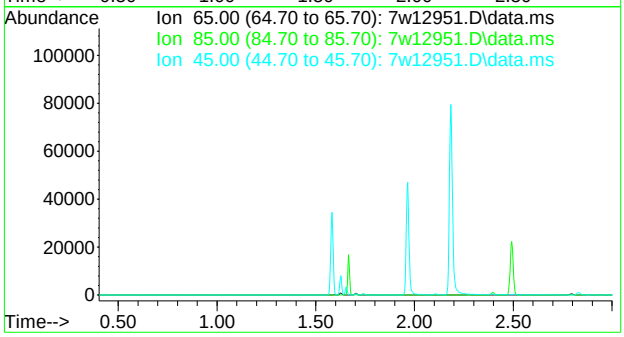
#7
PROPYLENE
Concen: N.D.
Expected RT: 1.65 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 41

Sig	Exp Ratio
41	100
39	75.6
42	66.6



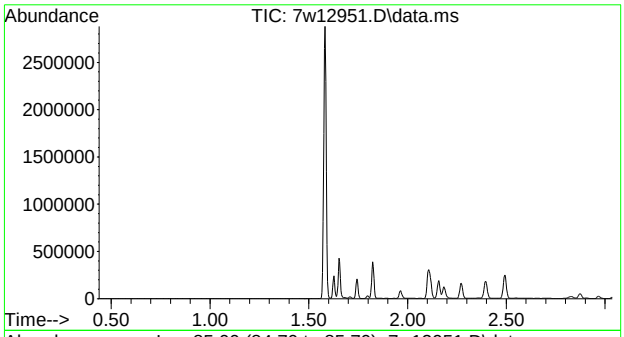


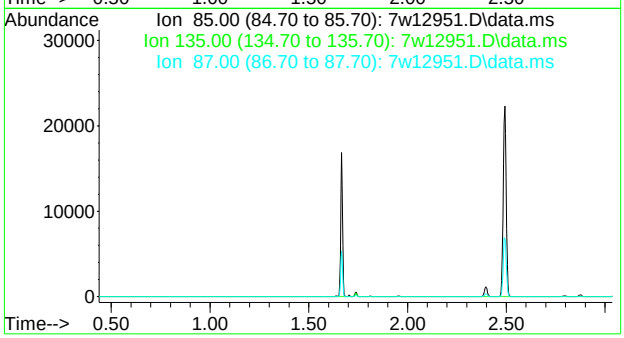
#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: N.D.
Expected RT: 1.70 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 65

Sig	Exp Ratio
65	100
85	12.7
45	24.4



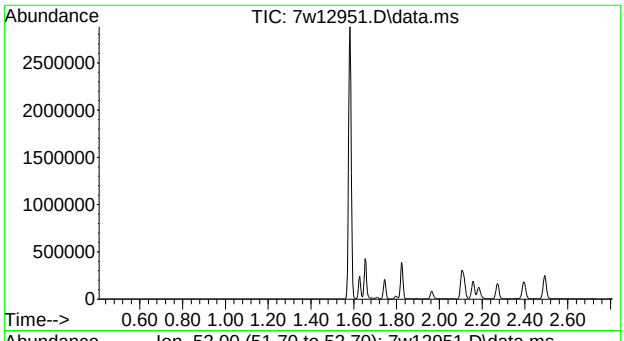


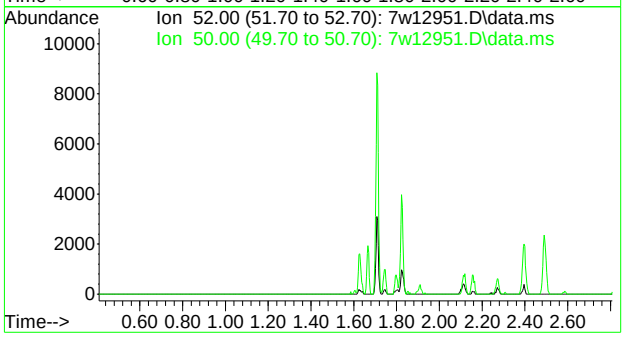
#9
FREON 114
Concen: N.D.
Expected RT: 1.74 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 85

Sig	Exp Ratio
85	100
135	69.4
87	32.0



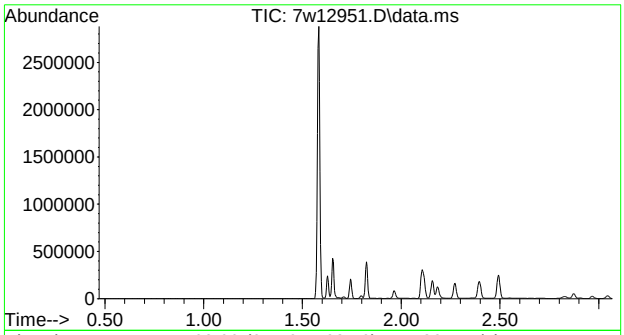


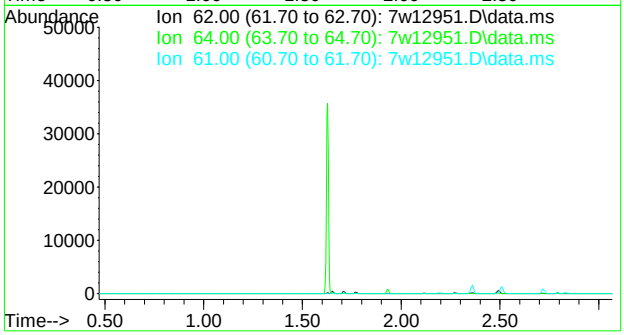
#10
CHLOROMETHANE
Concen: N.D.
Expected RT: 1.71 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 52

Sig	Exp Ratio
52	100
50	314.5



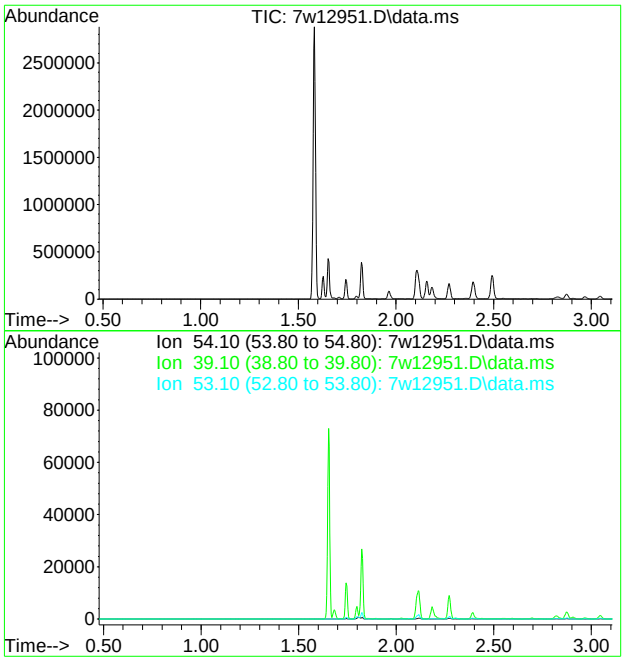


#11
VINYL CHLORIDE
Concen: N.D.
Expected RT: 1.77 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 62

Sig	Exp Ratio
62	100
64	30.6
61	8.5

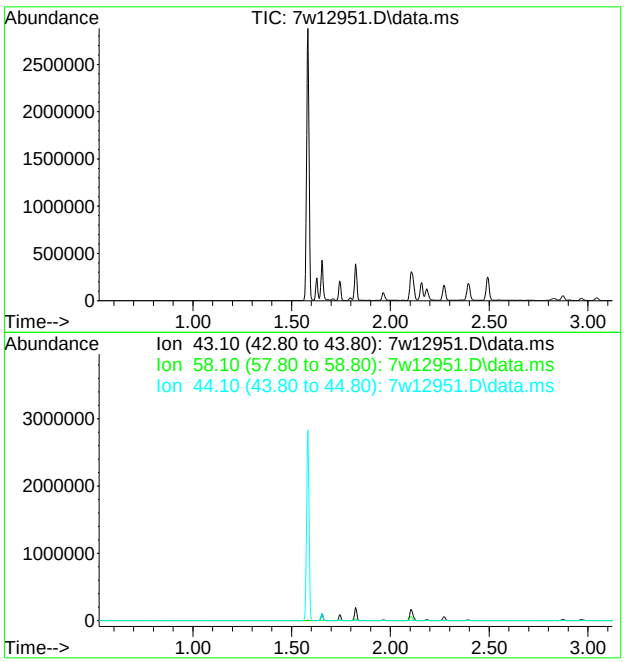


#12
1,3-BUTADIENE
Concen: N.D.
Expected RT: 1.81 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 54

Sig	Exp Ratio
54	100
39	128.3
53	71.0

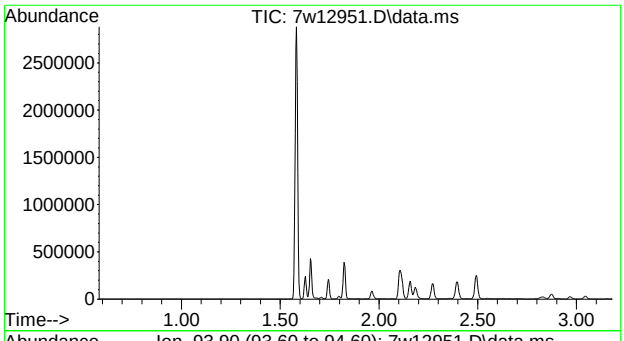


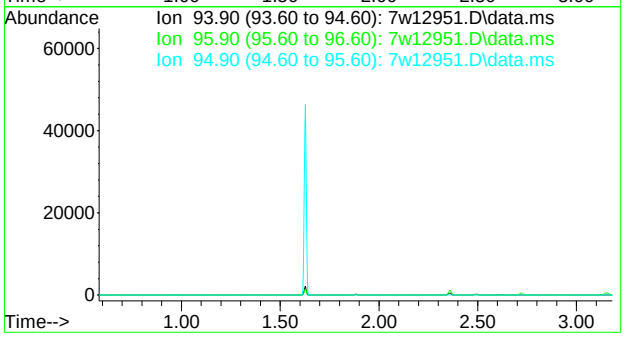
#13
N-BUTANE
Concen: N.D.
Expected RT: 1.82 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 43

Sig	Exp Ratio
43	100
58	14.8
44	4.3



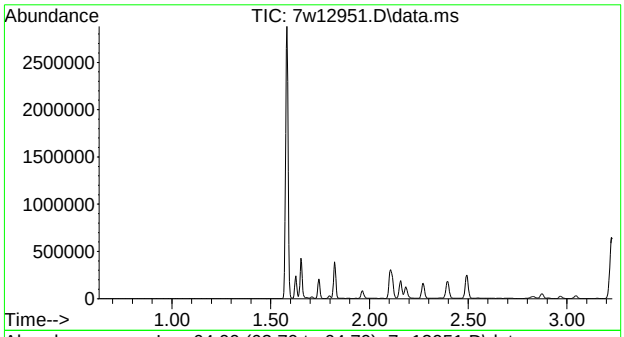


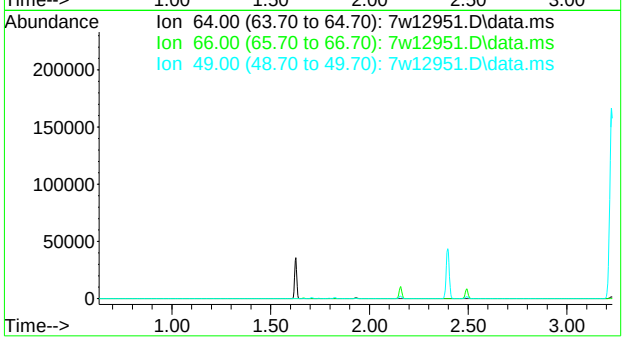
#14
BROMOMETHANE
Concen: N.D.
Expected RT: 1.88 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 94

Sig	Exp Ratio
94	100
96	94.4
95	14.2



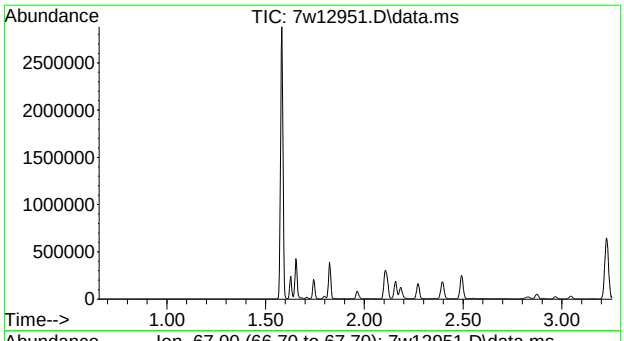


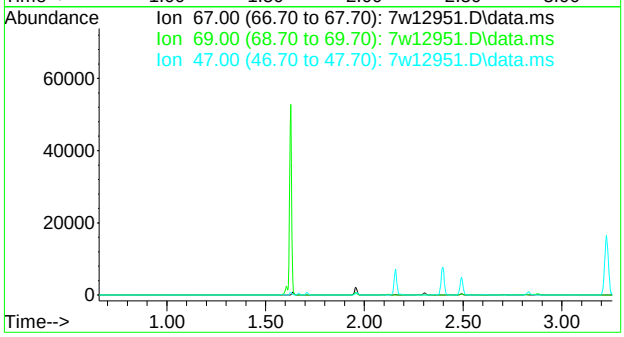
#15
CHLOROETHANE
Concen: N.D.
Expected RT: 1.93 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 64

Sig	Exp Ratio
64	100
66	32.9
49	29.9



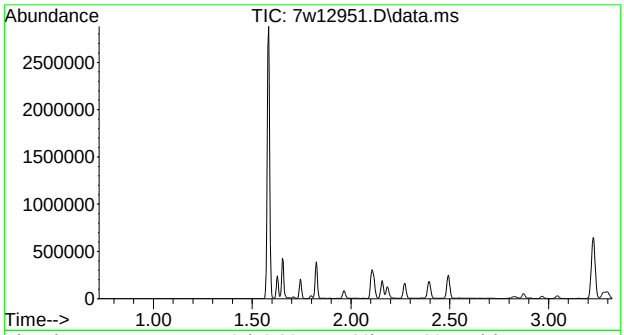


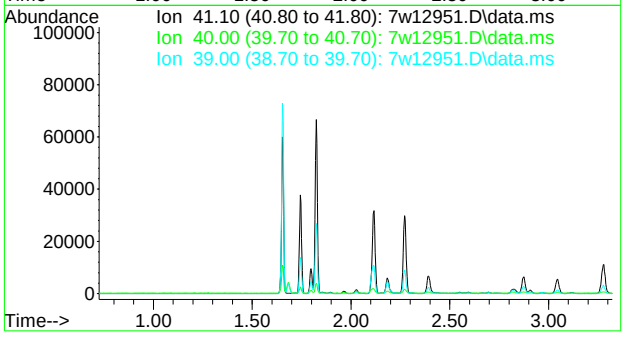
#16
DICHLOROFLUOROMETHANE
Concen: N.D.
Expected RT: 1.96 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 67

Sig	Exp Ratio
67	100
69	31.4
47	12.8



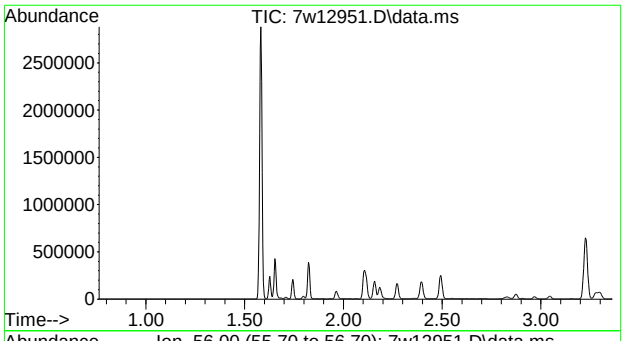


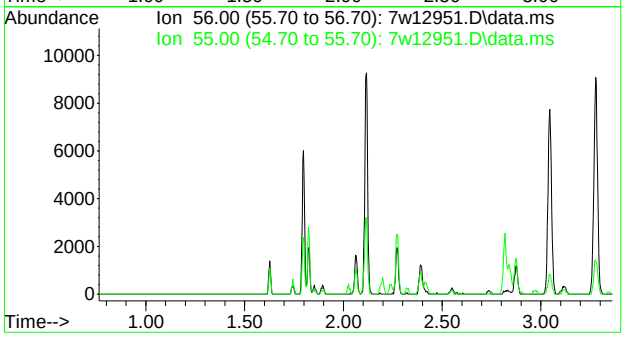
#17
ACETONITRILE
Concen: N.D.
Expected RT: 2.02 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 41

Sig	Exp Ratio
41	100
40	54.2
39	19.7



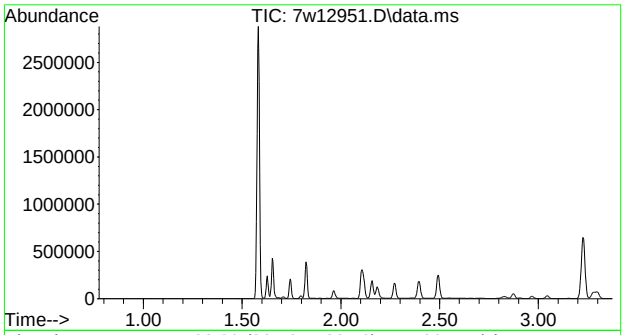


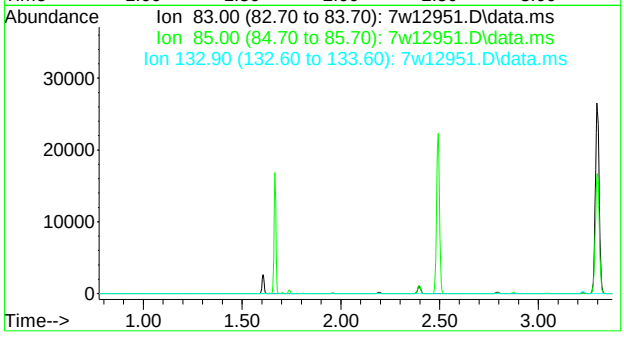
#18
ACROLEIN
Concen: N.D.
Expected RT: 2.06 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 56

Sig	Exp Ratio
56	100
55	71.8



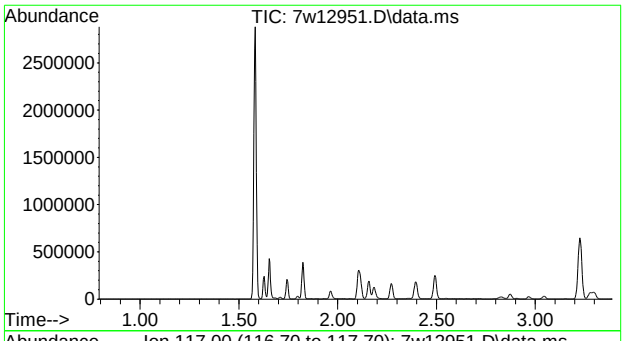


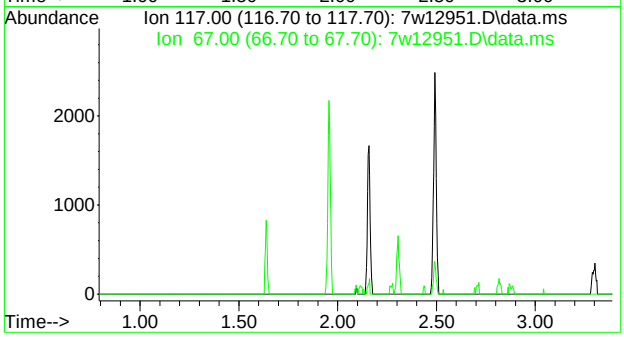
#19
FREON 123
Concen: N.D.
Expected RT: 2.08 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 83

Sig	Exp Ratio
83	100
85	96.3
133	23.7



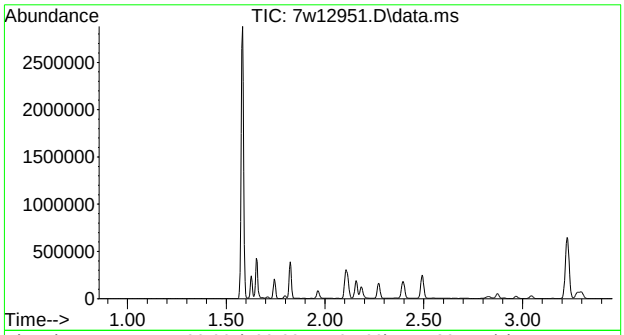


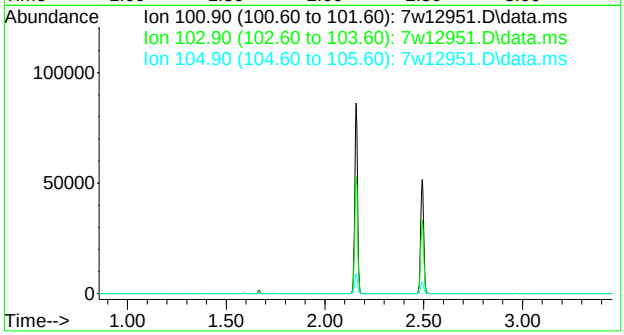
#20
FREON 123A
Concen: N.D.
Expected RT: 2.09 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 117

Sig	Exp Ratio
117	100
67	145.7



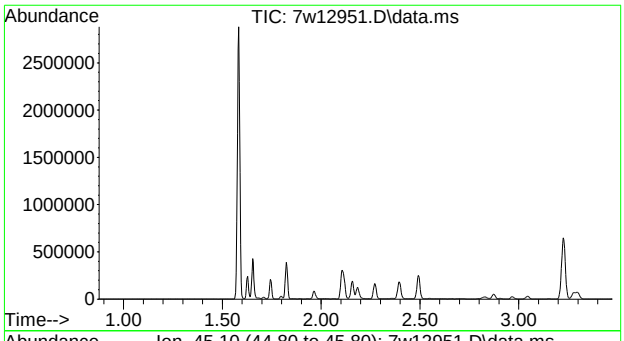


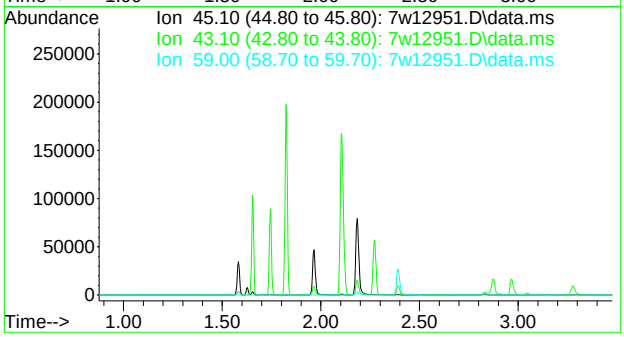
#21
TRICHLOROFLUOROMETHANE
Concen: N.D.
Expected RT: 2.15 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 101

Sig	Exp Ratio
101	100
103	64.2
105	10.4



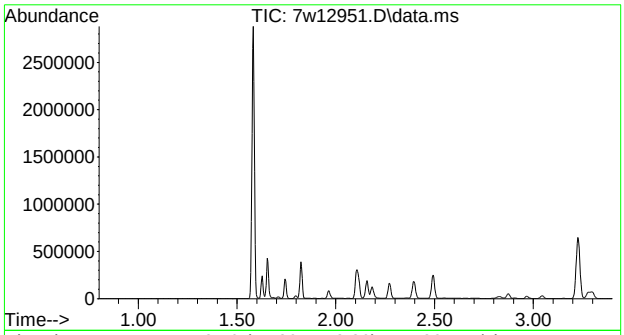


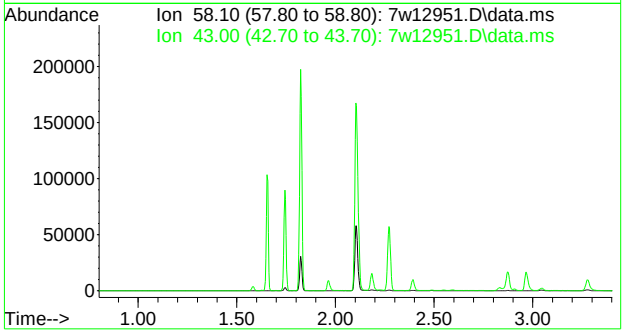
#22
ISOPROPYL ALCOHOL
Concen: N.D.
Expected RT: 2.17 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 45

Sig	Exp Ratio
45	100
43	19.9
59	4.0



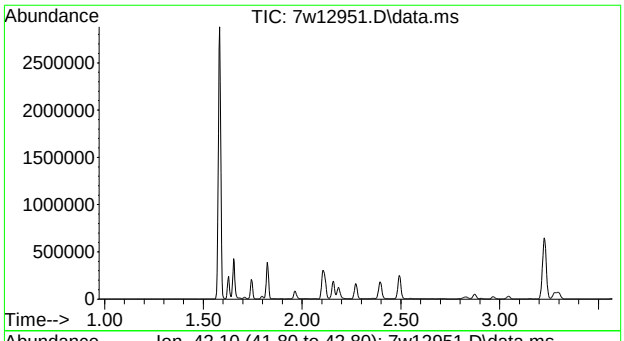


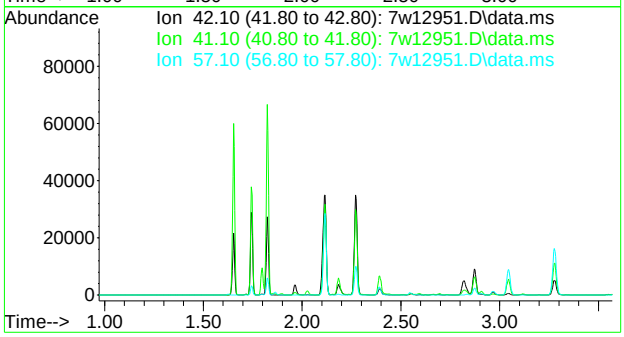
#23
ACETONE
Concen: N.D.
Expected RT: 2.10 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 58

Sig	Exp Ratio
58	100
43	334.8



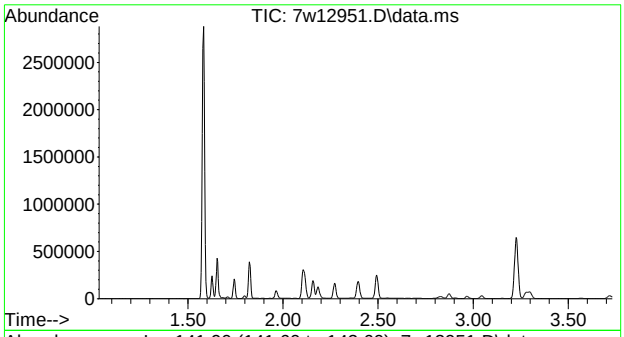


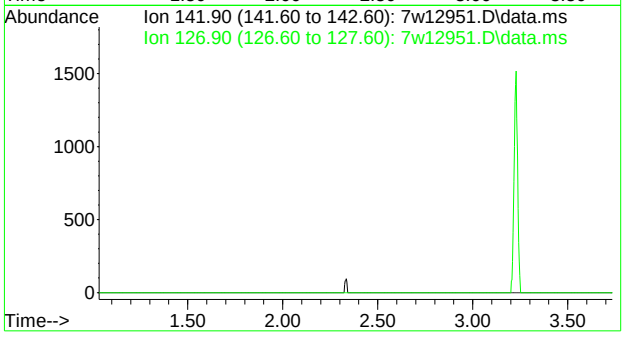
#24
PENTANE
Concen: N.D.
Expected RT: 2.27 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 42

Sig	Exp Ratio
42	100
41	92.5
57	28.2



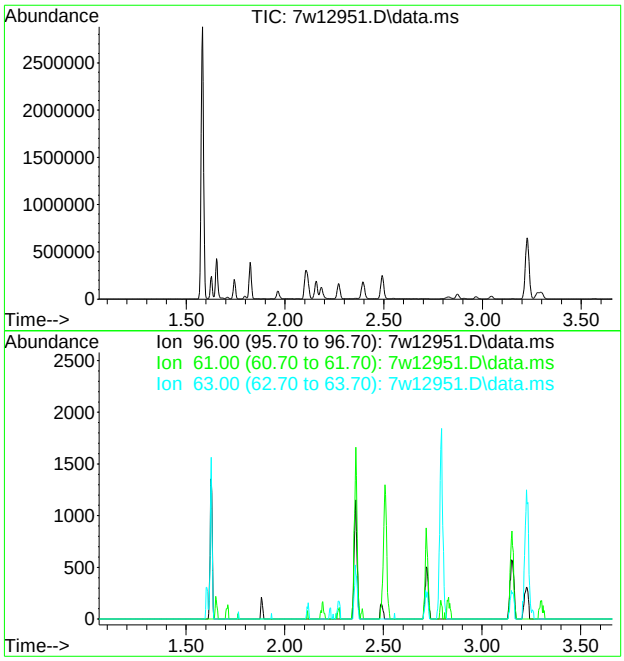


#25
IODOMETHANE
Concen: N.D.
Expected RT: 2.33 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 142

Sig	Exp Ratio
142	100
127	44.8

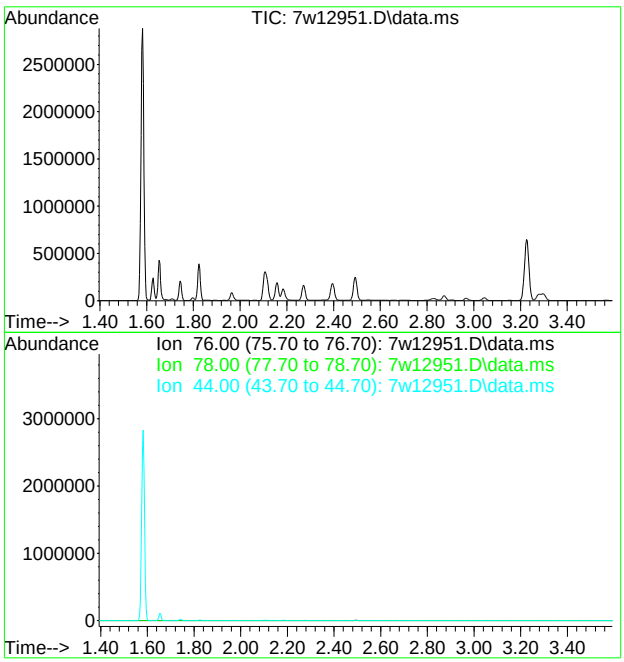


#26
1,1-DICHLOROETHYLENE
Concen: N.D.
Expected RT: 2.36 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 96

Sig	Exp Ratio
96	100
61	190.0
63	60.1

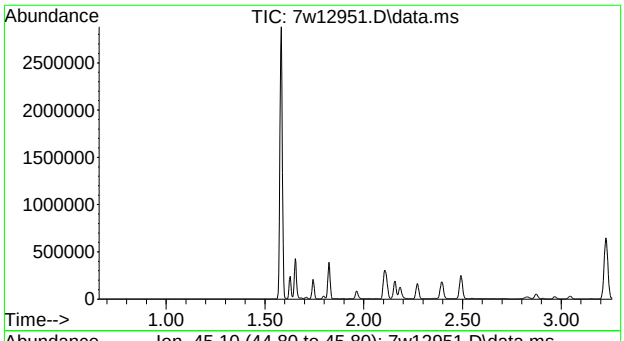


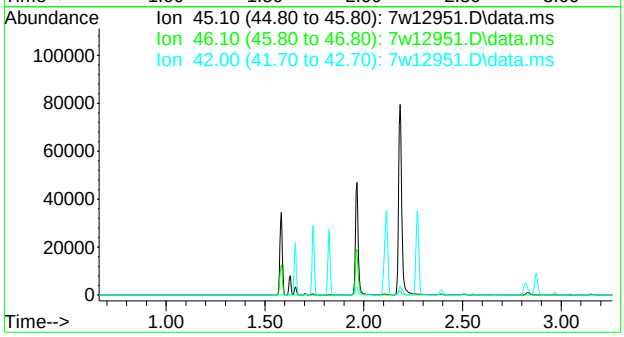
#27
CARBON DISULFIDE
Concen: N.D.
Expected RT: 2.49 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 76

Sig	Exp Ratio
76	100
78	11.2
44	16.1



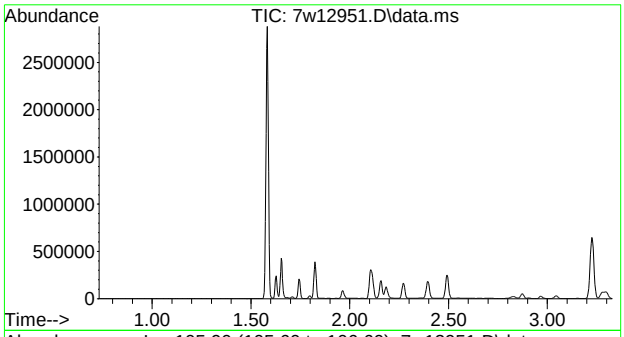


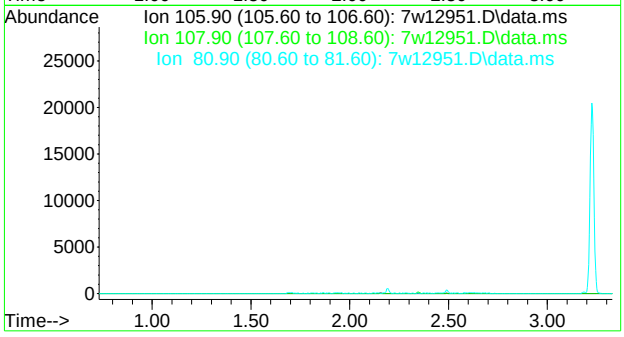
#28
ETHANOL
Concen: N.D.
Expected RT: 1.96 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 45

Sig	Exp Ratio
45	100
46	40.8
42	9.0



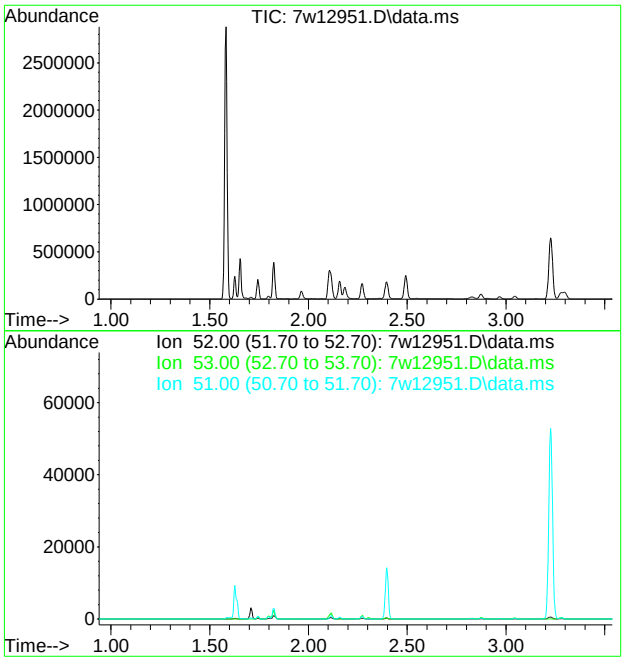


#29
BROMOETHENE
Concen: N.D.
Expected RT: 2.03 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 106

Sig	Exp Ratio
106	100
108	93.6
81	16.1

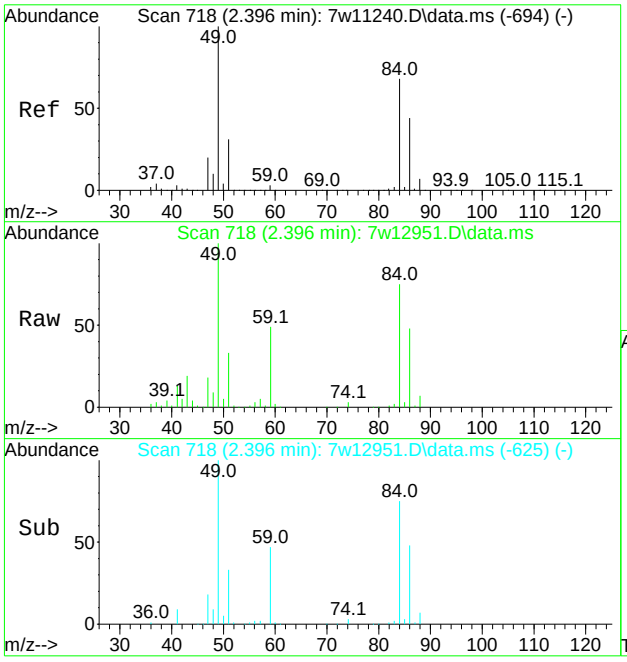


#30
ACRYLONITRILE
Concen: N.D.
Expected RT: 2.24 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 52

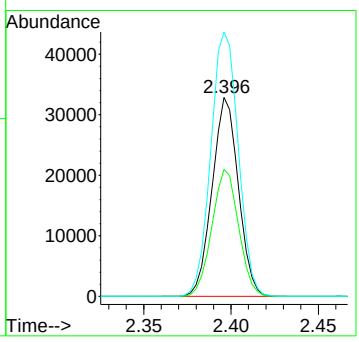
Sig	Exp Ratio
52	100
53	121.7
51	46.0

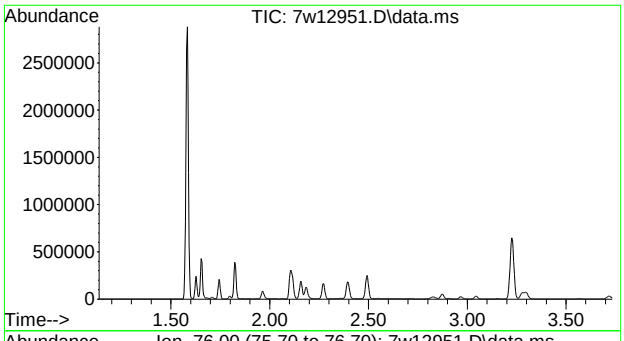


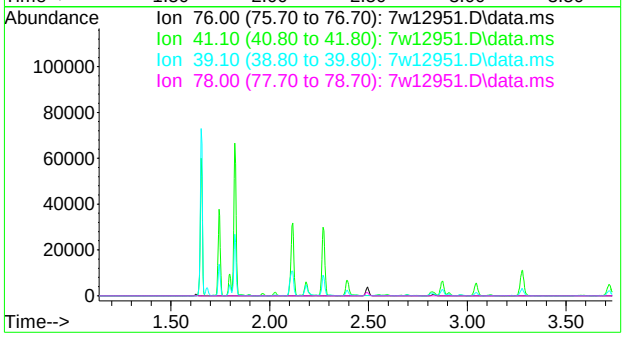
#31
METHYLENE CHLORIDE
Concen: 3.3406 PPBV
RT: 2.396 min Scan# 718
Delta R.T. -0.000 min
Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 84 Resp: 34396

Ion	Ratio	Lower	Upper
84	100		
86	64.7	46.0	85.4
49	139.1	103.9	192.9





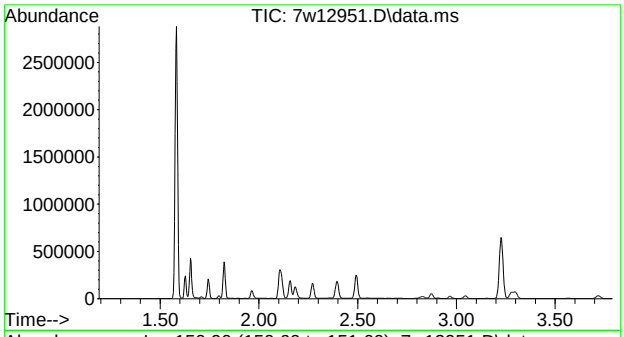


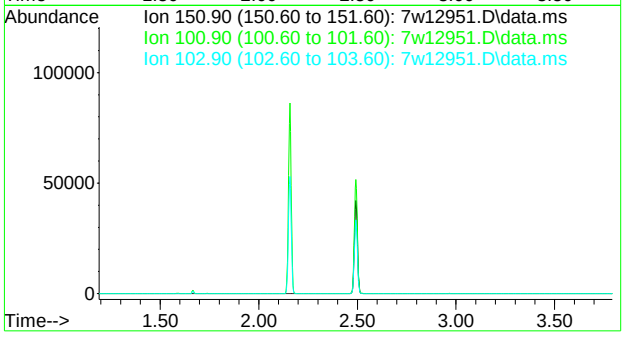
#32
3-CHLOROPROPENE
Concen: N.D.
Expected RT: 2.44 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 76

Sig	Exp Ratio
76	100
41	302.0
39	216.2
78	32.5



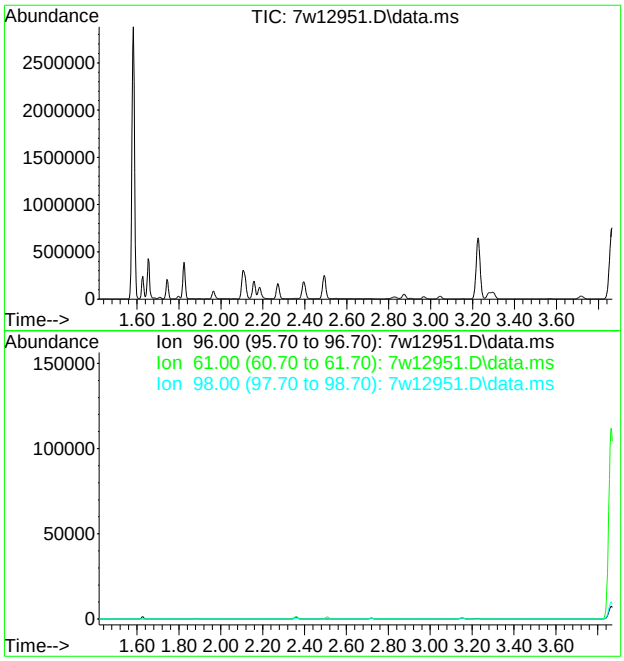


#33
FREON 113
Concen: N.D.
Expected RT: 2.49 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 151

Sig	Exp Ratio
151	100
101	127.6
103	82.2

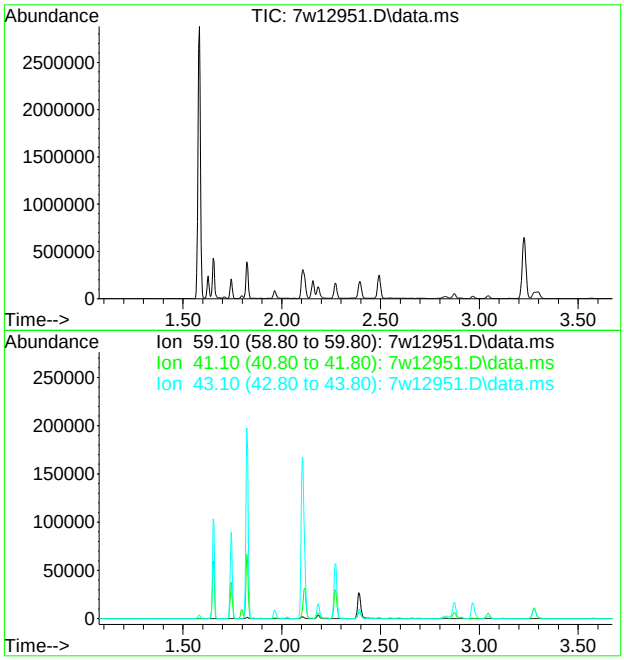


#34
TRANS-1,2-DICHLOROETHENE
Concen: N.D.
Expected RT: 2.72 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 96

Sig	Exp Ratio
96	100
61	166.0
98	63.2

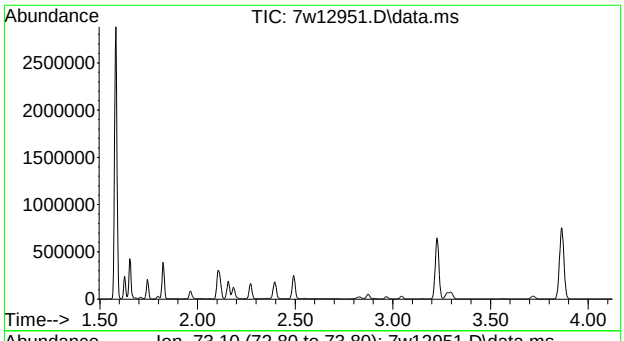


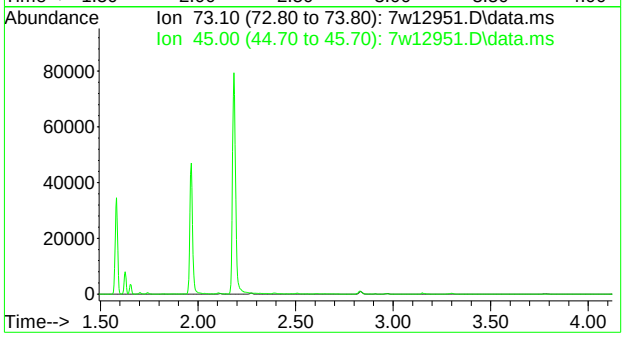
#35
TERTIARY BUTYL ALCOHOL
Concen: N.D.
Expected RT: 2.37 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 59

Sig	Exp Ratio
59	100
41	20.4
43	14.2



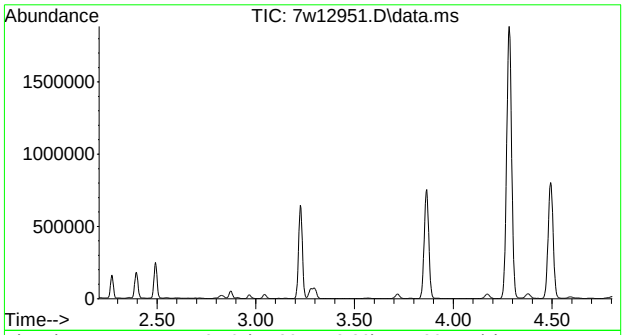


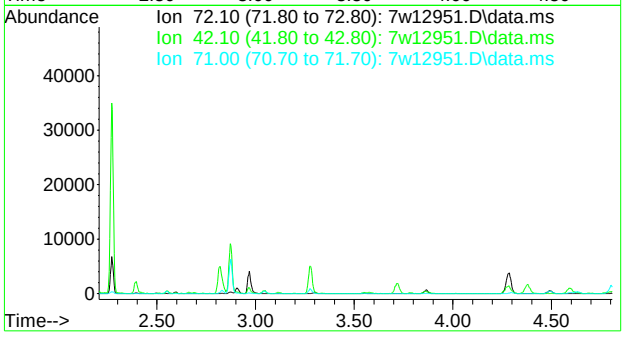
#36
METHYL TERTIARY BUTYL ETHER
Concen: N.D.
Expected RT: 2.82 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 73

Sig	Exp Ratio
73	100
45	6.4



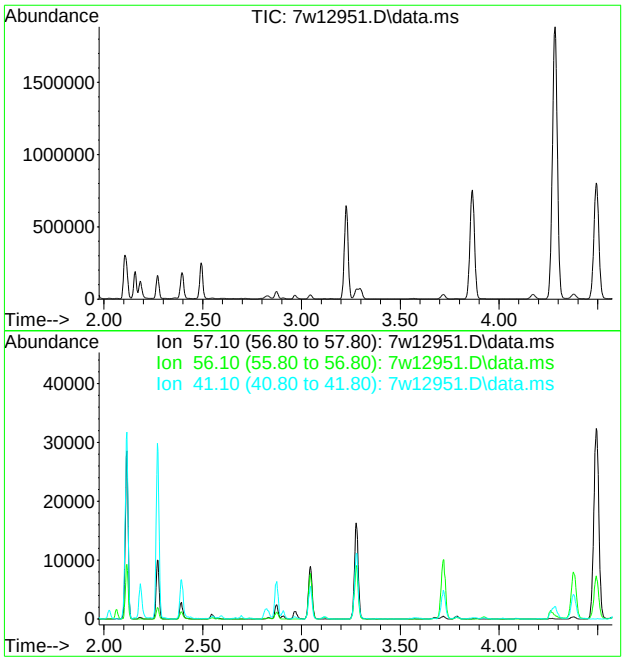


#37
TETRAHYDROFURAN
Concen: N.D.
Expected RT: 3.51 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 72

Sig	Exp Ratio
72	100
42	249.9
71	96.0

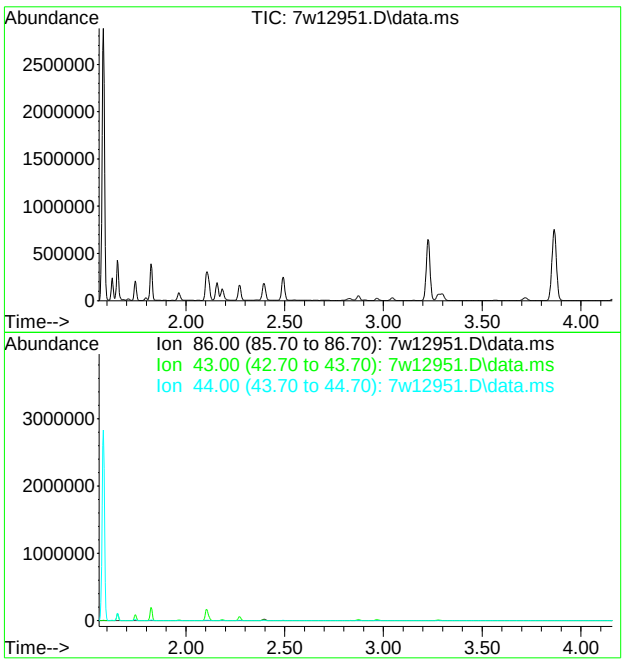


#38
HEXANE
Concen: N.D.
Expected RT: 3.27 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 57

Sig	Exp Ratio
57	100
56	54.0
41	108.4

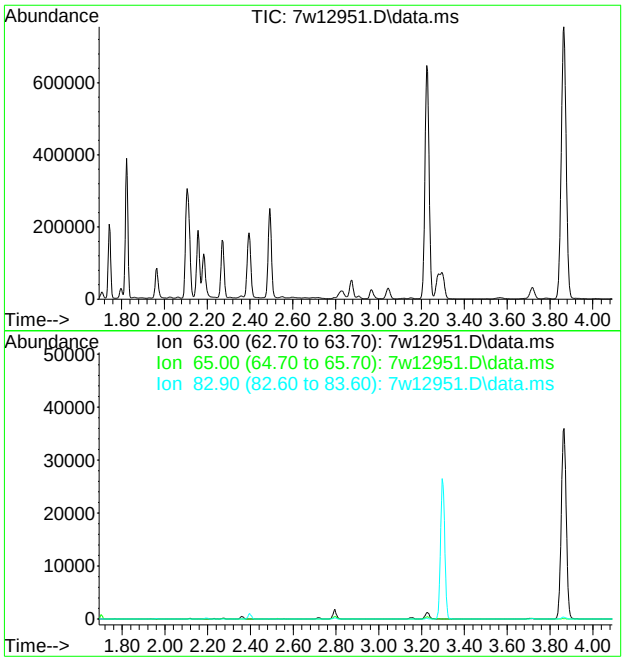


#39
VINYL ACETATE
Concen: N.D.
Expected RT: 2.86 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 86

Sig	Exp Ratio
86	100
43	1027.7
44	49.4

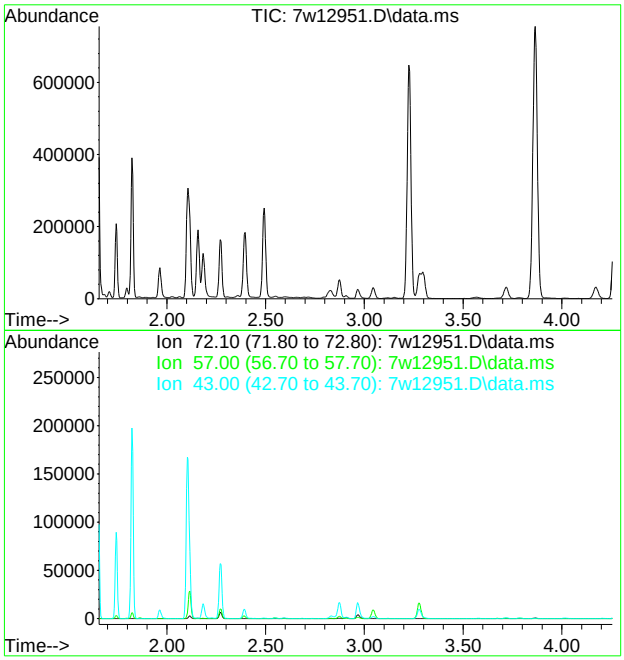


#40
1,1-DICHLOROETHANE
Concen: N.D.
Expected RT: 2.79 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 63

Sig	Exp Ratio
63	100
65	31.0
83	12.7

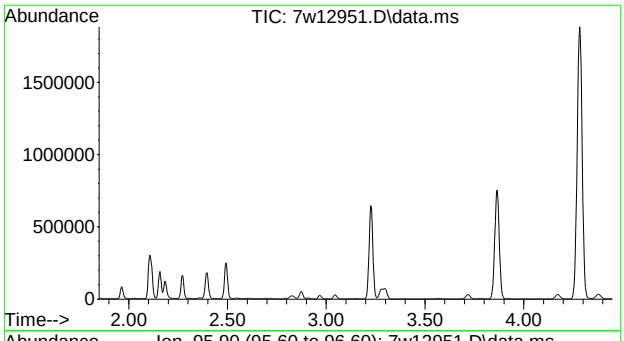


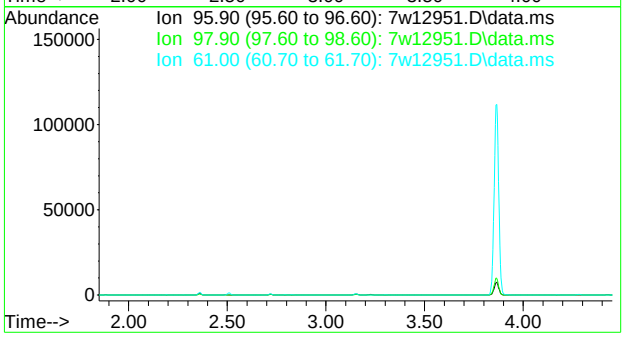
#41
METHYL ETHYL KETONE
Concen: N.D.
Expected RT: 2.96 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 72

Sig	Exp Ratio
72	100
57	36.1
43	428.0



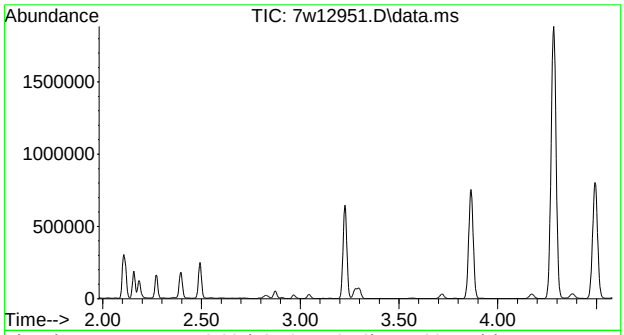


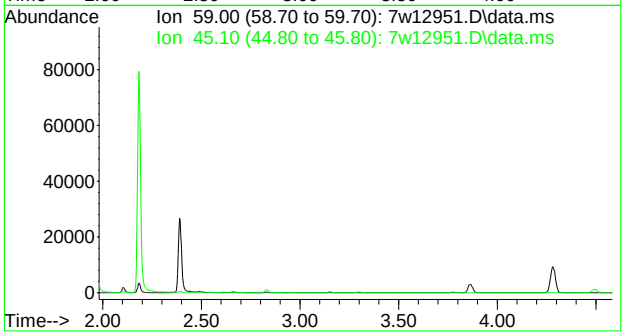
#42
CIS-1,2-DICHLOROETHENE
Concen: N.D.
Expected RT: 3.15 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 96

Sig	Exp Ratio
96	100
98	64.0
61	142.9



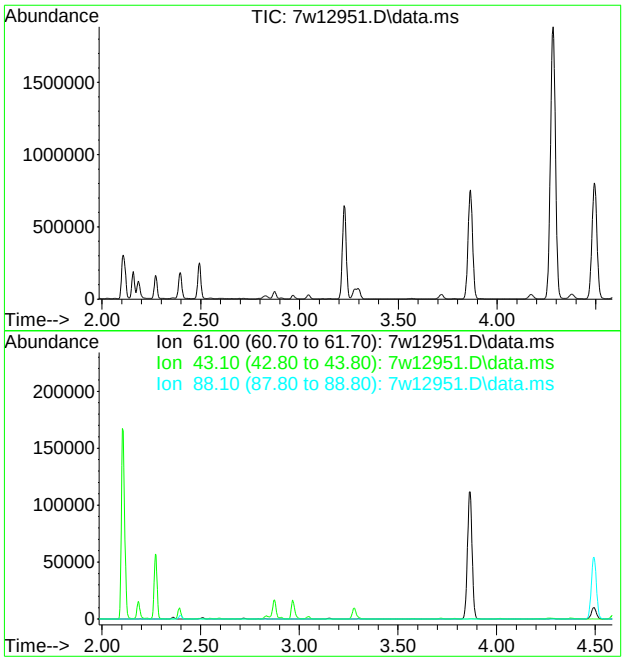


#43
DIISOPROPYL ETHER
Concen: N.D.
Expected RT: 3.28 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 59

Sig	Exp Ratio
59	100
45	761.2

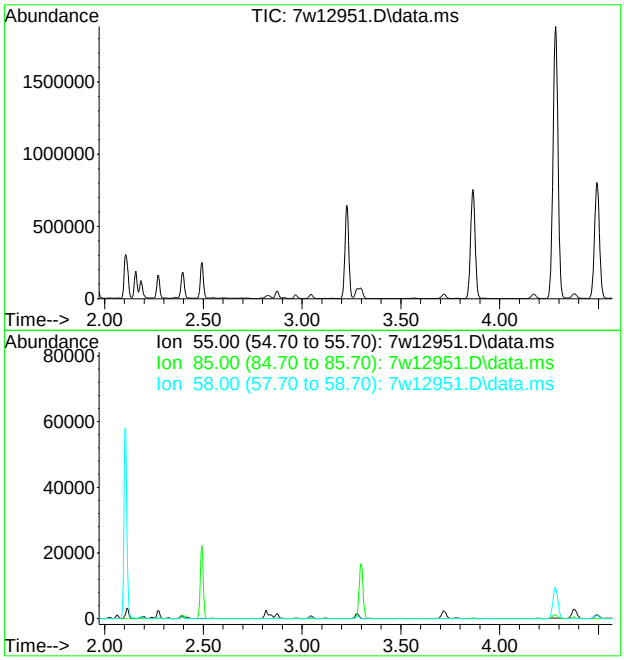


#44
ETHYL ACETATE
Concen: N.D.
Expected RT: 3.28 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 61

Sig	Exp Ratio
61	100
43	1435.8
88	41.9

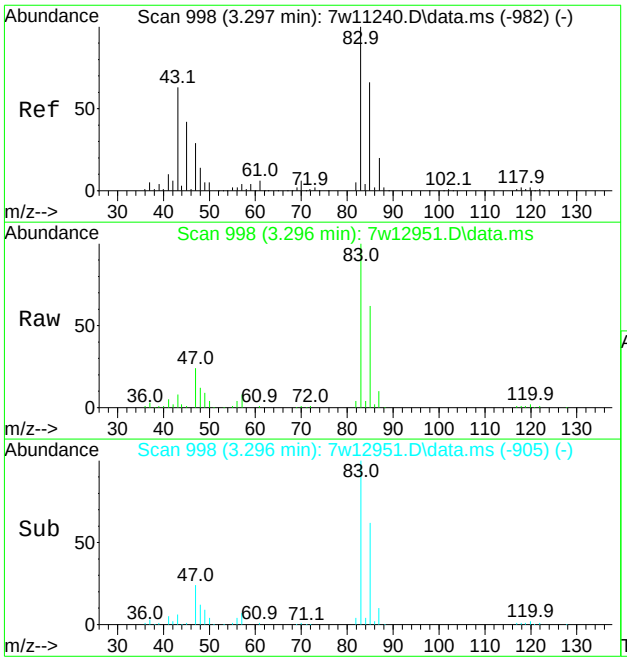


#45
METHYL ACRYLATE
Concen: N.D.
Expected RT: 3.27 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 55

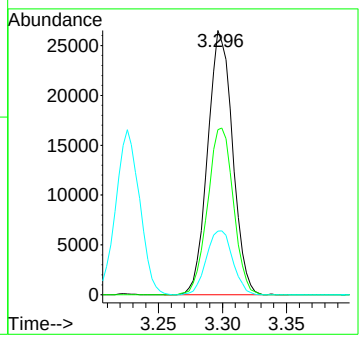
Sig	Exp Ratio
55	100
85	0.0
58	14.0

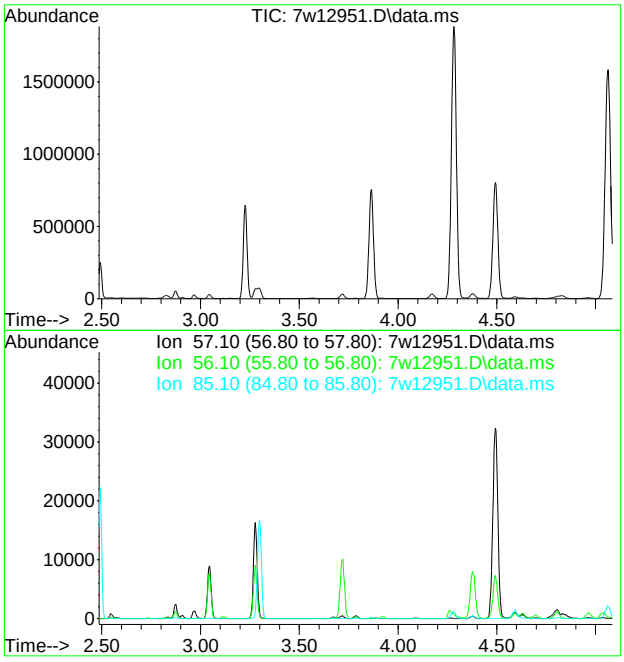


#46
CHLOROFORM
Concen: 1.5089 PPBV
RT: 3.296 min Scan# 998
Delta R.T. -0.001 min
Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 83 Resp: 35878

Ion	Ratio	Lower	Upper
83	100		
85	65.4	57.0	105.9
47	25.6	20.9	38.7



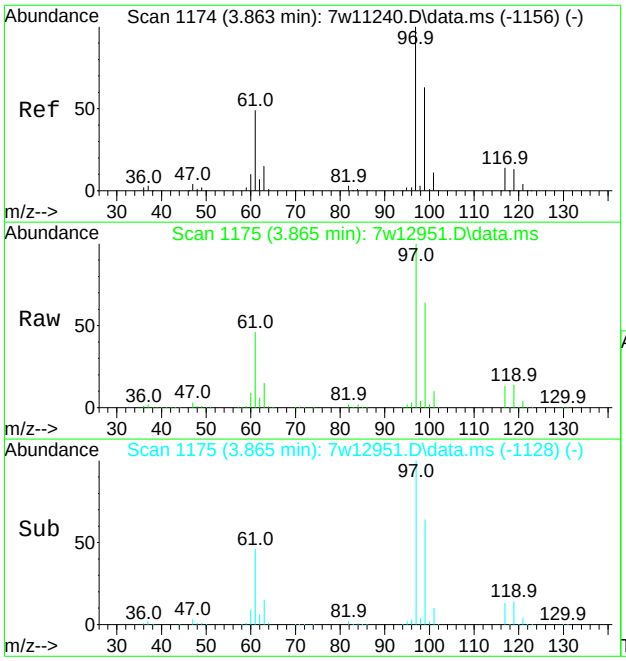


#47
2,4-DIMETHYLPENTANE
Concen: N.D.
Expected RT: 3.79 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 57

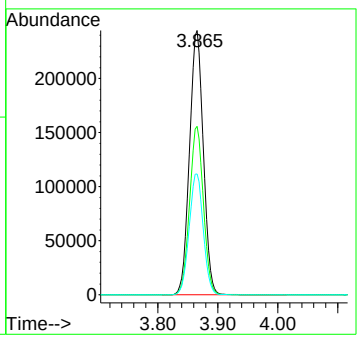
Sig	Exp Ratio
57	100
56	54.8
85	27.3

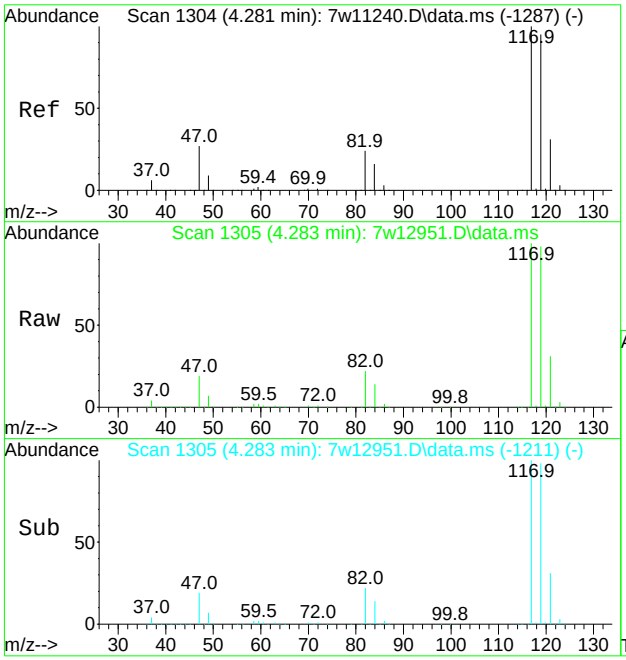


#48
1,1,1-TRICHLOROETHANE
Concen: 15.3431 PPBV
RT: 3.865 min Scan# 1175
Delta R.T. 0.002 min
Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 97 Resp: 391219

Ion	Ratio	Lower	Upper
97	100		
99	63.6	45.1	83.9
61	46.6	34.2	63.6

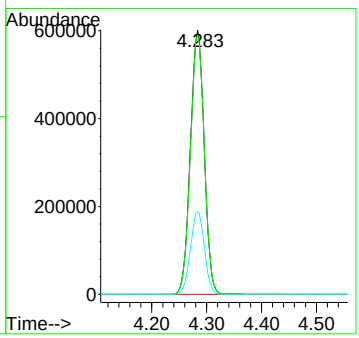


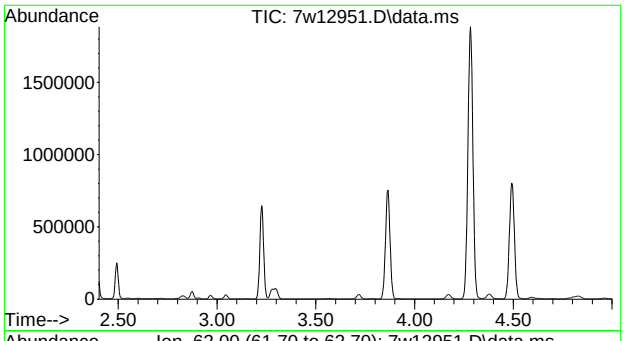


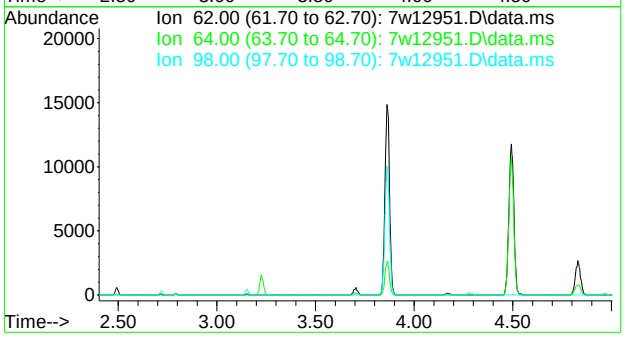
#49
CARBON TETRACHLORIDE
Concen: 41.5542 PPBV
RT: 4.283 min Scan# 1305
Delta R.T. 0.002 min
Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion:117 Resp: 1050828

Ion	Ratio	Lower	Upper
117	100		
119	99.1	66.8	124.2
121	31.8	21.4	39.8





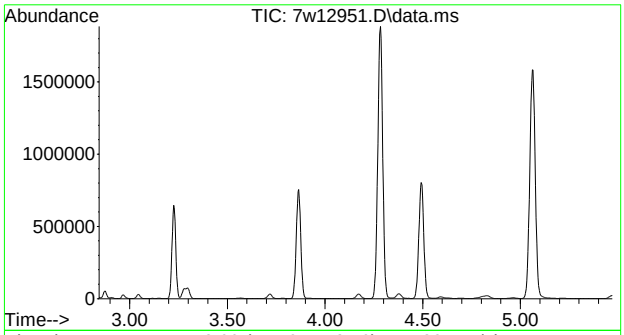


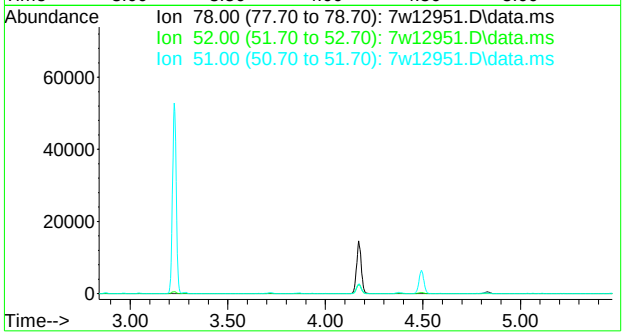
#50
1,2-DICHLOROETHANE
Concen: N.D.
Expected RT: 3.70 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 62

Sig	Exp Ratio
62	100
64	31.3
98	8.0



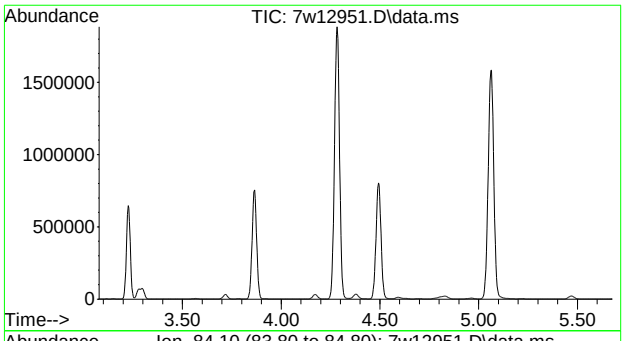


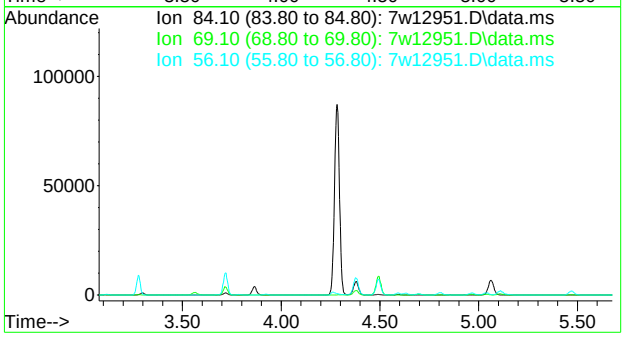
#51
BENZENE
Concen: N.D.
Expected RT: 4.17 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 78

Sig	Exp Ratio
78	100
52	18.9
51	20.2



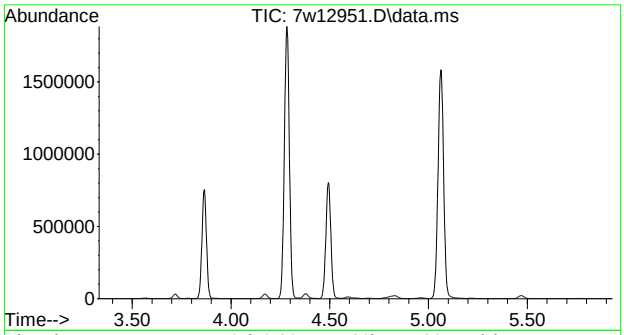


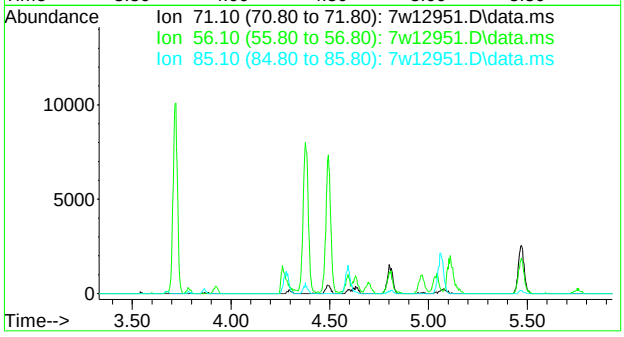
#53
CYCLOHEXANE
Concen: N.D.
Expected RT: 4.38 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 84

Sig	Exp Ratio
84	100
69	35.4
56	128.3



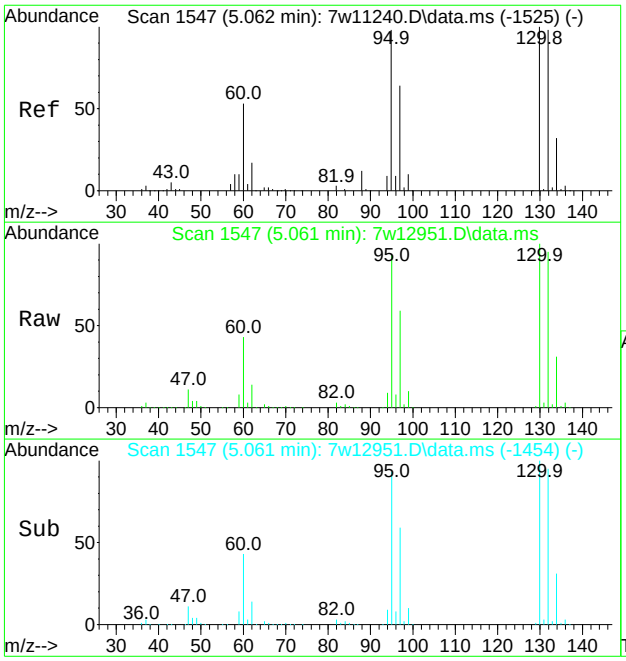


#54
2,3-DIMETHYLPENTANE
Concen: N.D.
Expected RT: 4.63 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 71

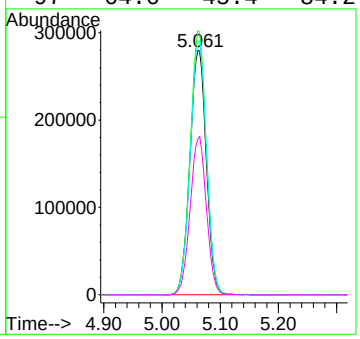
Sig	Exp Ratio
71	100
56	285.2
85	17.3

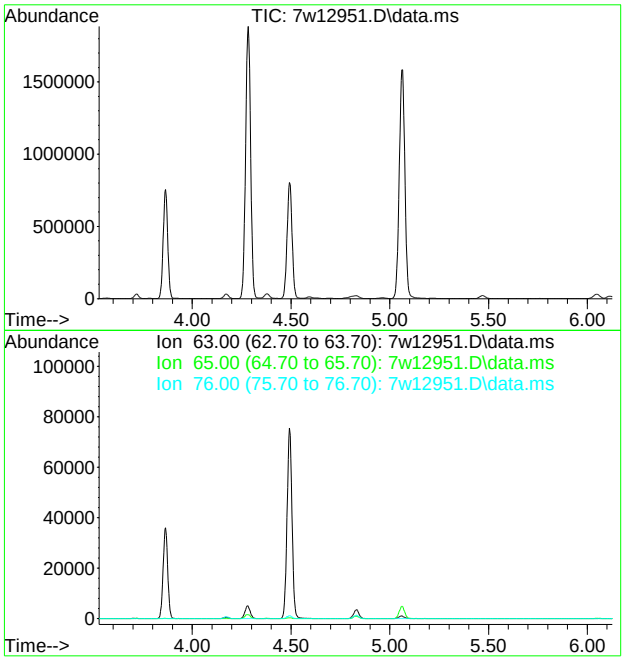


#55
TRICHLOROETHENE
Concen: 34.1681 PPBV
RT: 5.061 min Scan# 1547
Delta R.T. -0.001 min
Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 95 Resp: 549785

Ion	Ratio	Lower	Upper
95	100		
130	107.0	72.8	135.2
132	103.4	71.9	133.5
97	64.0	45.4	84.2



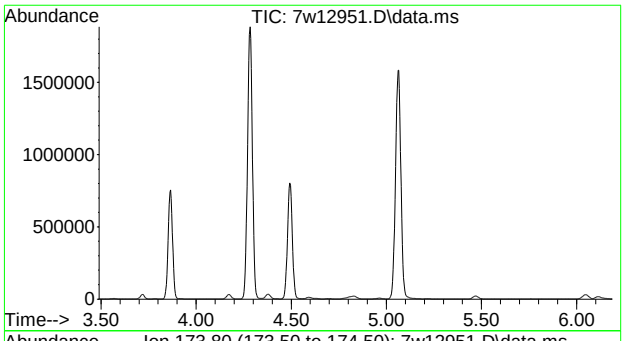


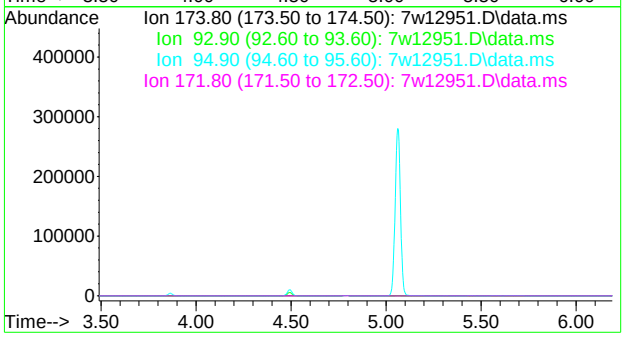
#56
1,2-DICHLOROPROPANE
Concen: N.D.
Expected RT: 4.83 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 63

Sig	Exp Ratio
63	100
65	30.3
76	42.3



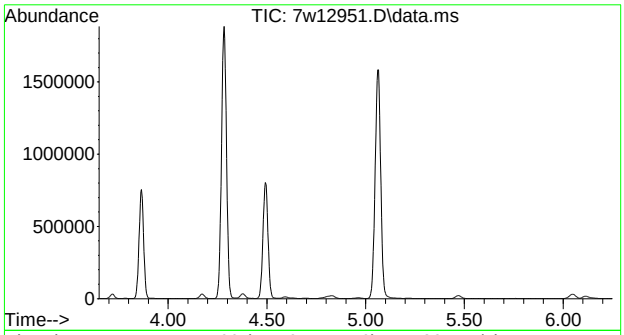


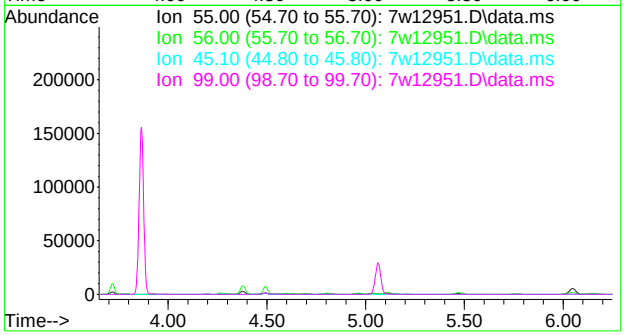
#57
DIBROMOMETHANE
Concen: N.D.
Expected RT: 4.79 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 174

Sig	Exp Ratio
174	100
93	102.8
95	85.3
172	52.1



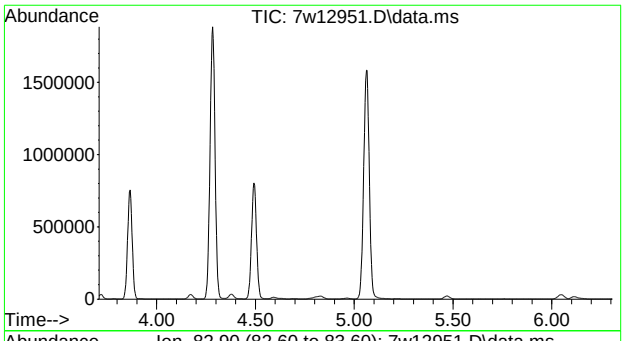


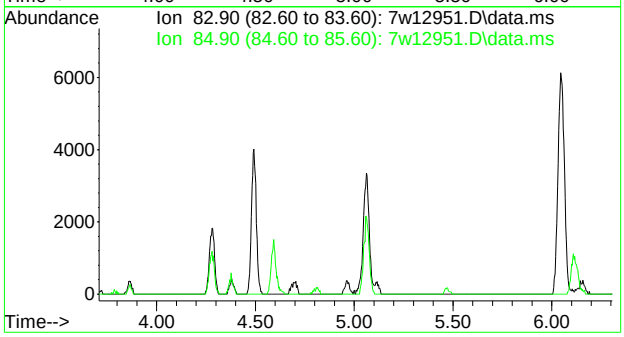
#58
ETHYL ACRYLATE
Concen: N.D.
Expected RT: 4.95 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 55

Sig	Exp Ratio
55	100
56	13.0
45	9.2
99	6.9



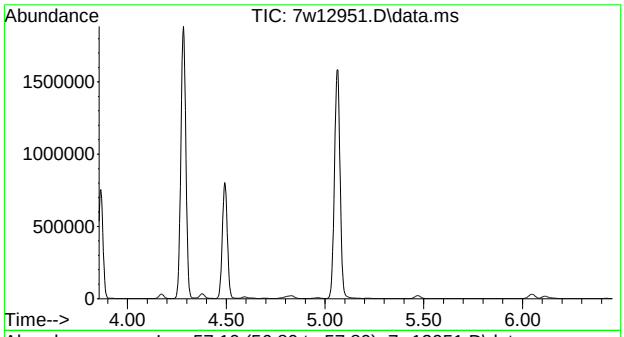


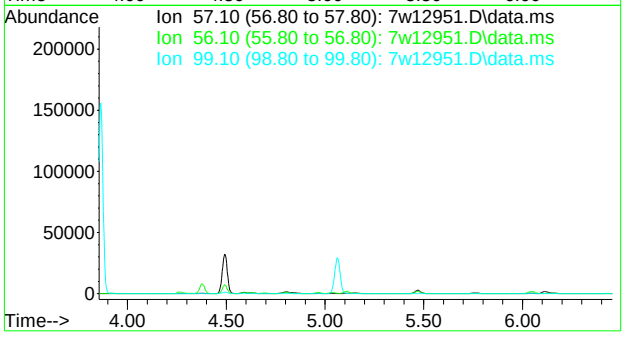
#59
BROMODICHLOROMETHANE
Concen: N.D.
Expected RT: 5.01 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 83

Sig	Exp Ratio
83	100
85	65.5



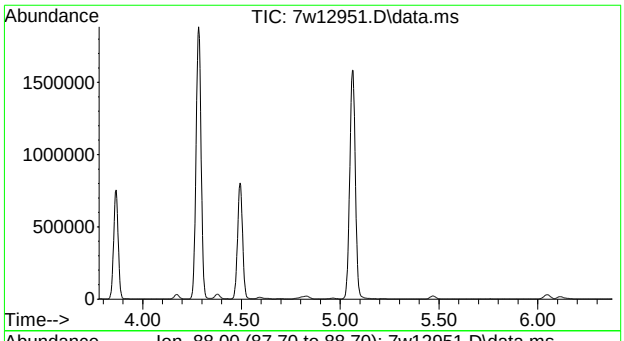


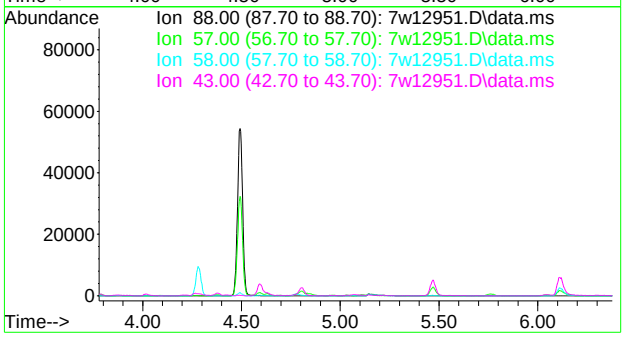
#60
2,2,4-TRIMETHYLPENTANE
Concen: N.D.
Expected RT: 5.16 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 57

Sig	Exp Ratio
57	100
56	32.4
99	5.6



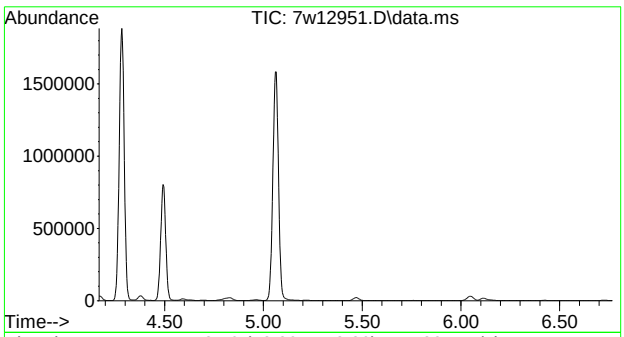


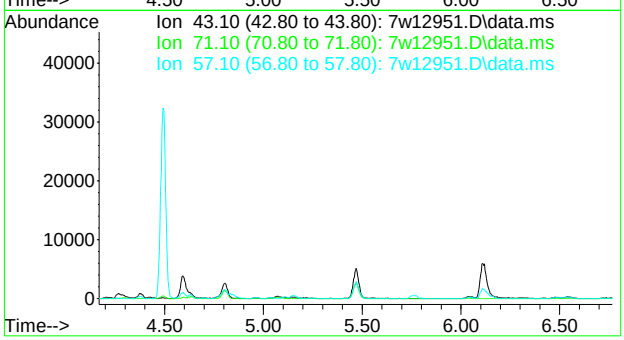
#61
1,4-DIOXANE
Concen: N.D.
Expected RT: 5.08 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 88

Sig	Exp Ratio
88	100
57	21.4
58	71.4
43	28.8



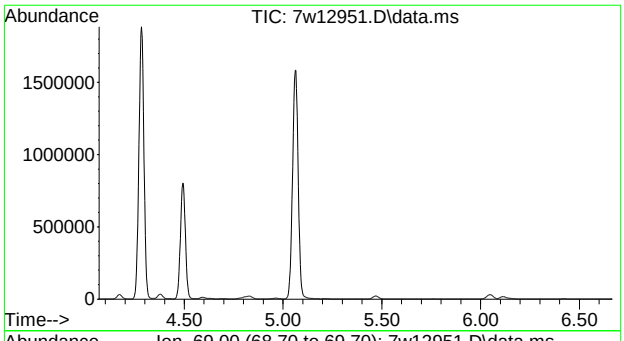


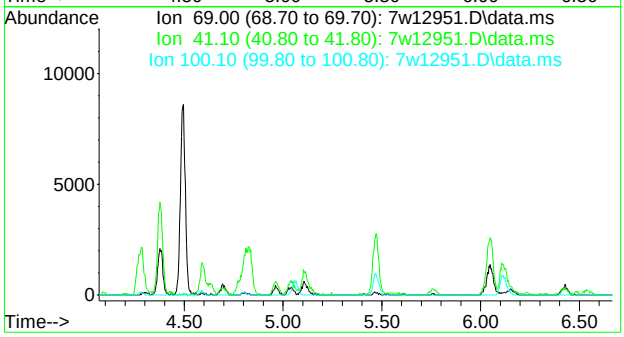
#62
HEPTANE
Concen: N.D.
Expected RT: 5.47 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 43

Sig	Exp Ratio
43	100
71	57.2
57	55.5



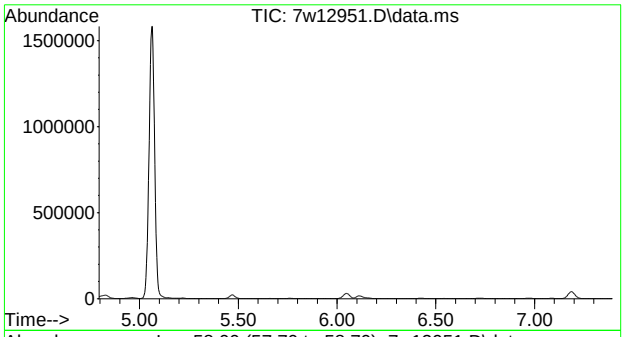


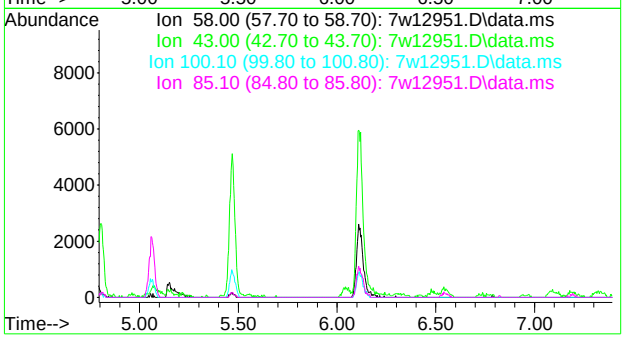
#63
METHYL METHACRYLATE
Concen: N.D.
Expected RT: 5.37 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 69

Sig	Exp Ratio
69	100
41	136.5
100	40.5



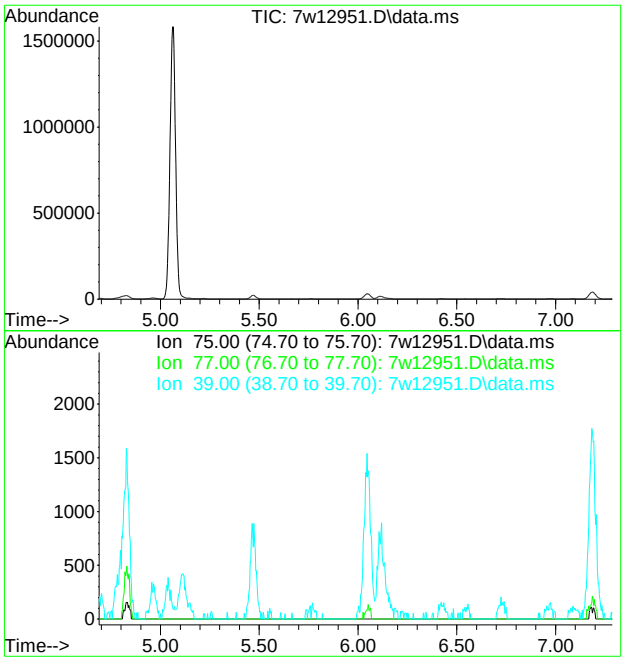


#64
METHYL ISOBUTYL KETONE
Concen: N.D.
Expected RT: 6.09 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 58

Sig	Exp Ratio
58	100
43	251.1
100	38.4
85	42.2

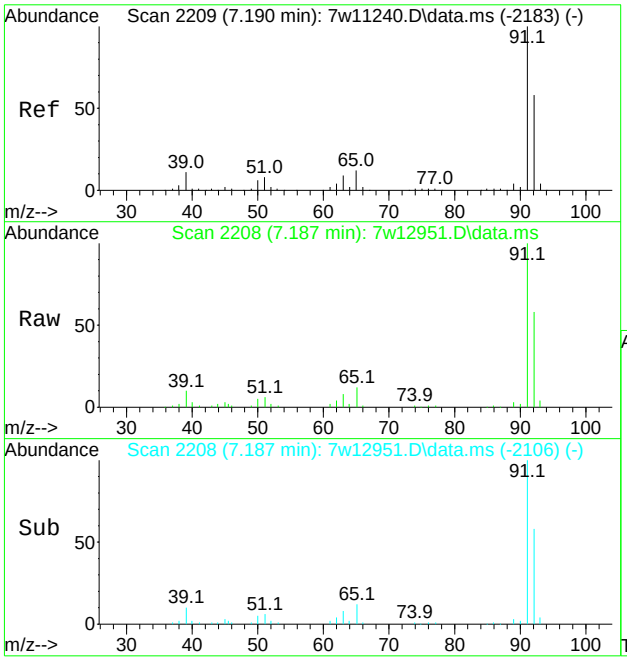


#65
CIS-1,3-DICHLOROPROPENE
Concen: N.D.
Expected RT: 5.99 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 75

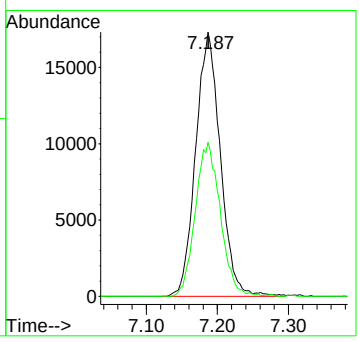
Sig	Exp Ratio
75	100
77	31.6
39	59.2

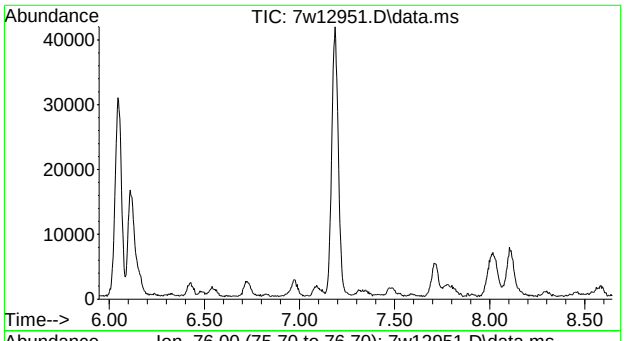


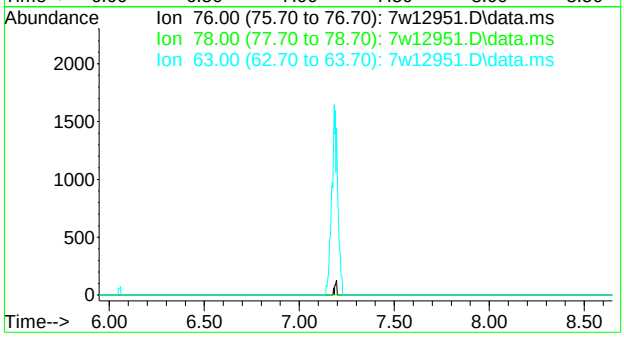
#66
TOLUENE
Concen: 0.9336 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 91 Resp: 41756

Ion	Ratio	Lower	Upper
91	100		
92	59.1	29.0	89.0





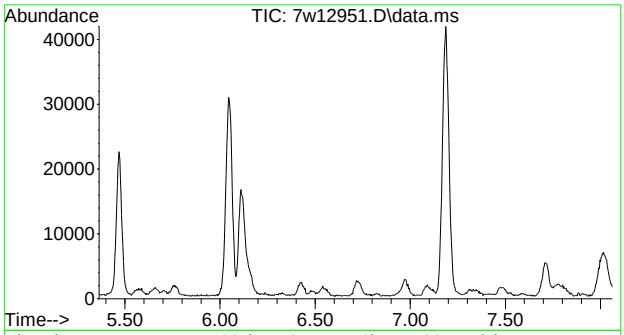


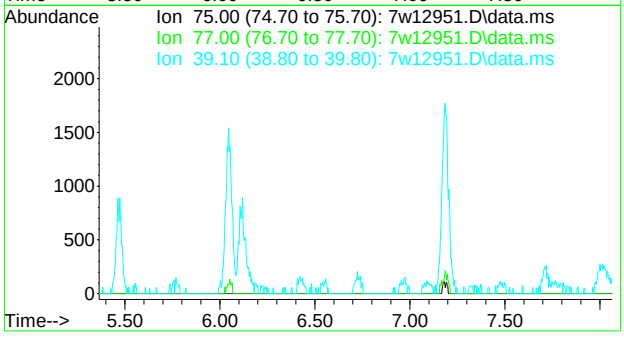
#67
1,3-DICHLOROPROPANE
Concen: N.D.
Expected RT: 7.25 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 76

Sig	Exp Ratio
76	100
78	32.2
63	10.5



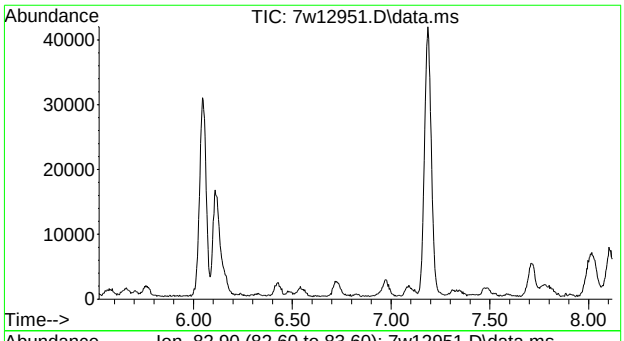


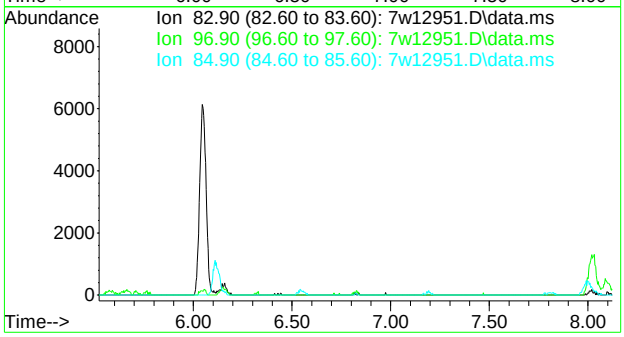
#68
TRANS-1,3-DICHLOROPROPENE
Concen: N.D.
Expected RT: 6.66 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 75

Sig	Exp Ratio
75	100
77	31.5
39	56.3



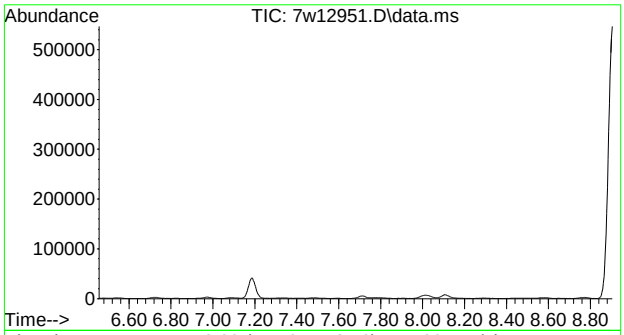


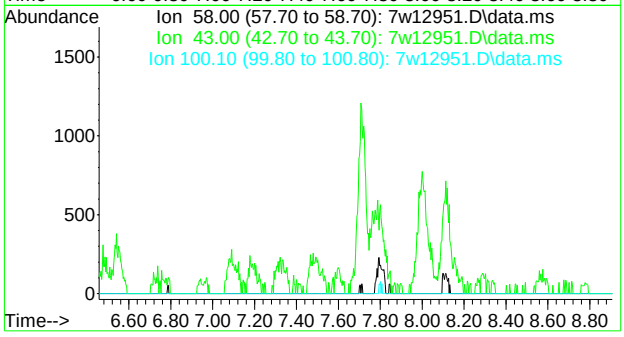
#69
1,1,2-TRICHLOROETHANE
Concen: N.D.
Expected RT: 6.82 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 83

Sig	Exp Ratio
83	100
97	119.0
85	66.6



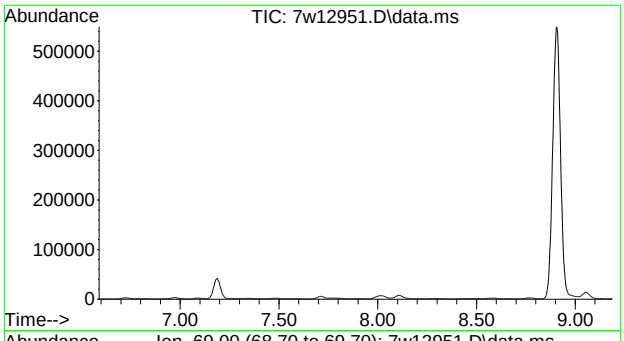


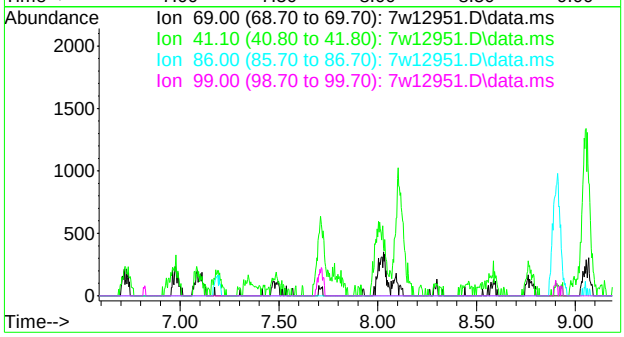
#70
2-HEXANONE
Concen: N.D.
Expected RT: 7.76 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 58

Sig	Exp Ratio
58	100
43	183.2
100	21.5



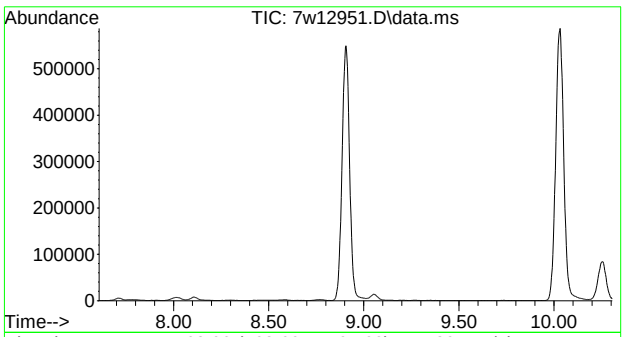


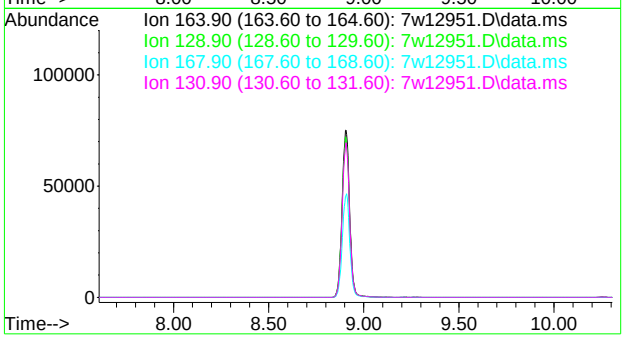
#71
ETHYL METHACRYLATE
Concen: N.D.
Expected RT: 7.89 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 69

Sig	Exp Ratio
69	100
41	75.9
86	16.3
99	19.8



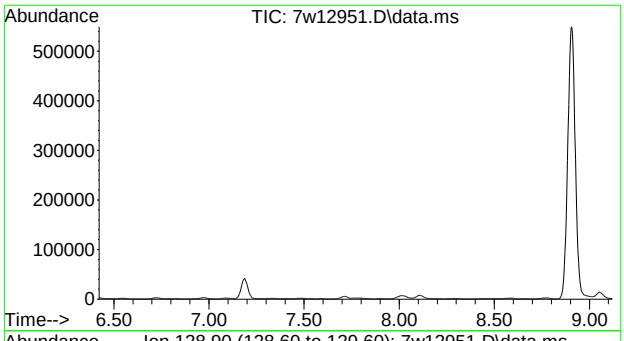


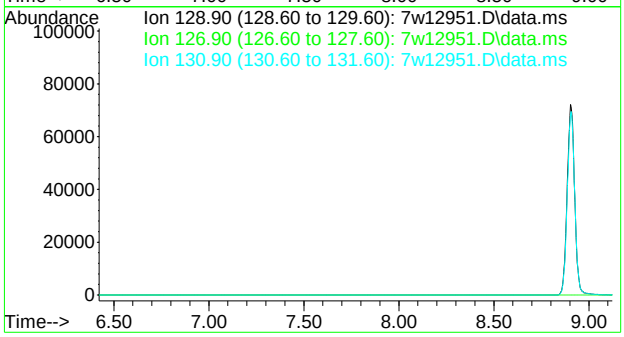
#72
TETRACHLOROETHENE
Concen: N.D.
Expected RT: 8.91 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 164

Sig	Exp Ratio
164	100
129	98.4
168	60.4
131	97.1



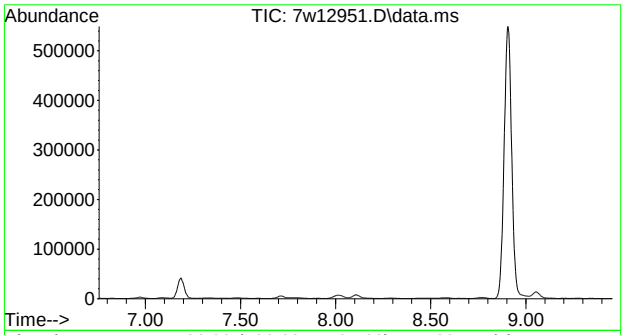


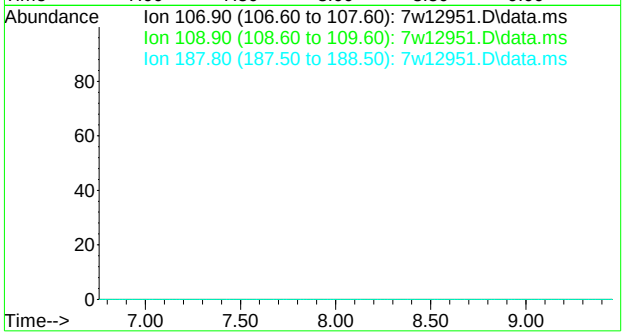
#73
DIBROMOCHLOROMETHANE
Concen: N.D.
Expected RT: 7.72 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 129

Sig	Exp Ratio
129	100
127	77.5
131	24.5



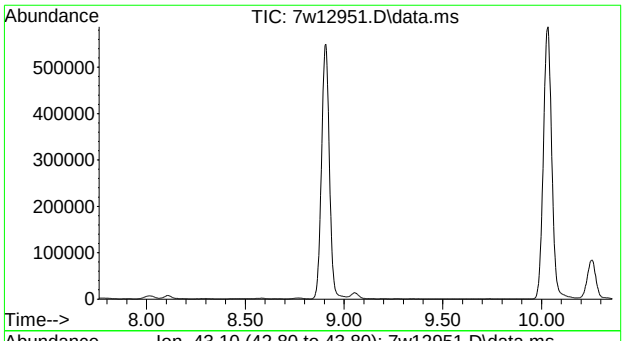


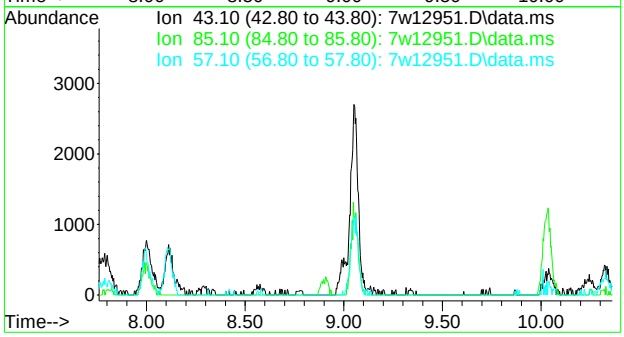
#74
1,2-DIBROMOETHANE
Concen: N.D.
Expected RT: 8.05 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 107

Sig	Exp Ratio
107	100
109	94.1
188	3.4



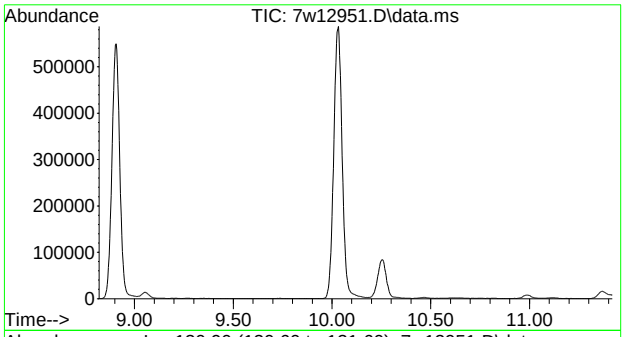


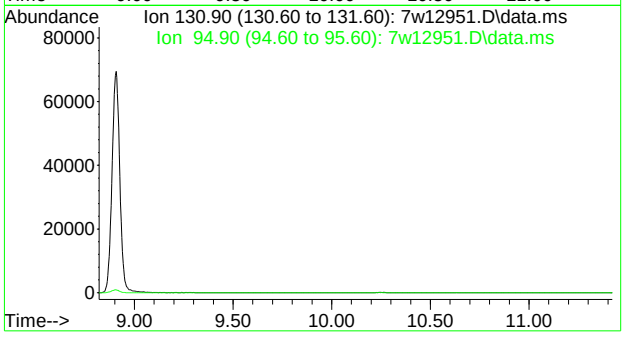
#75
OCTANE
Concen: N.D.
Expected RT: 9.06 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 43

Sig	Exp Ratio
43	100
85	48.5
57	42.9



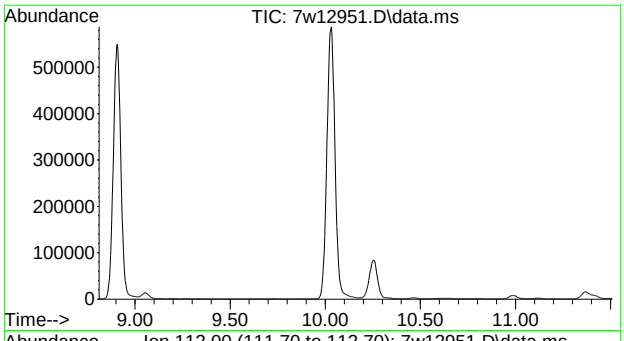


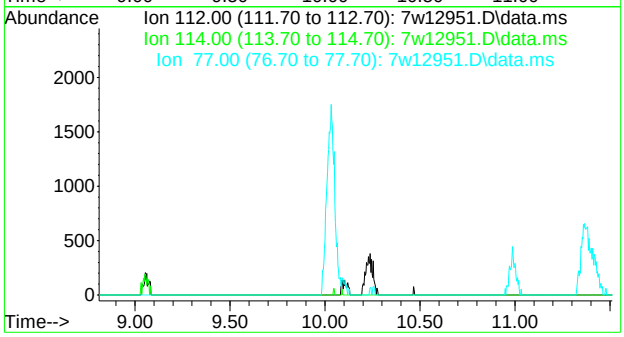
#77
1,1,1,2-TETRACHLOROETHANE
Concen: N.D.
Expected RT: 10.12 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 131

Sig	Exp Ratio
131	100
95	37.6



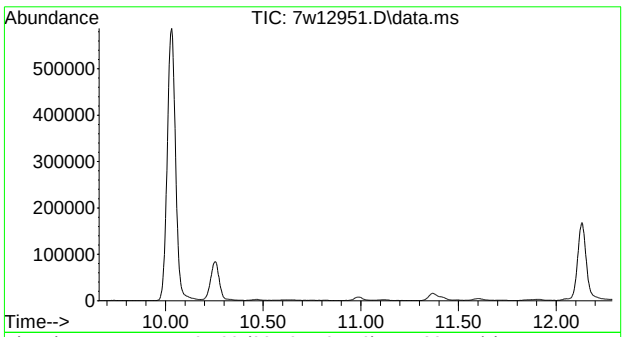


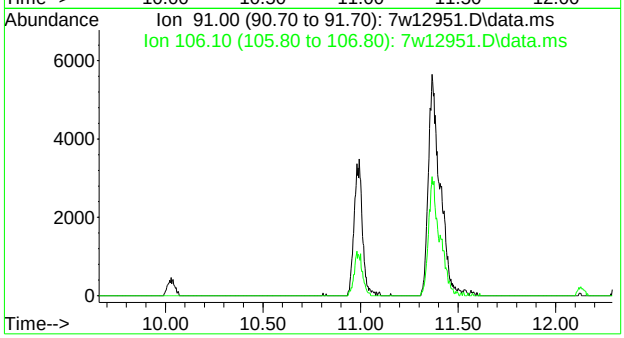
#78
CHLOROBENZENE
Concen: N.D.
Expected RT: 10.11 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 112

Sig	Exp Ratio
112	100
114	32.2
77	57.4



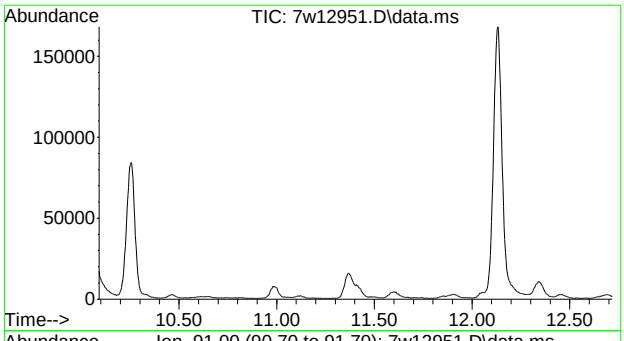


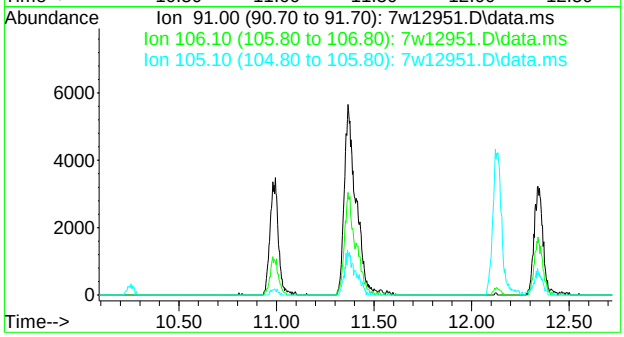
#79
ETHYLBENZENE
Concen: N.D.
Expected RT: 10.99 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 91

Sig	Exp Ratio
91	100
106	31.6



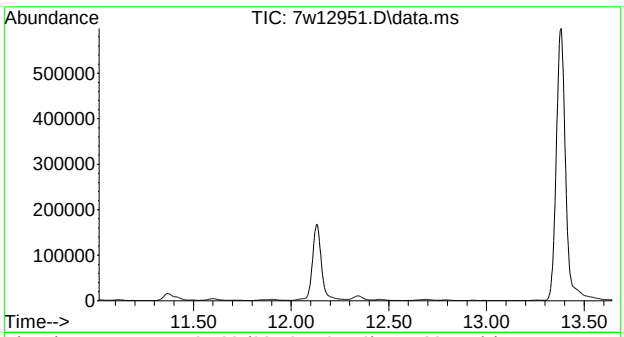


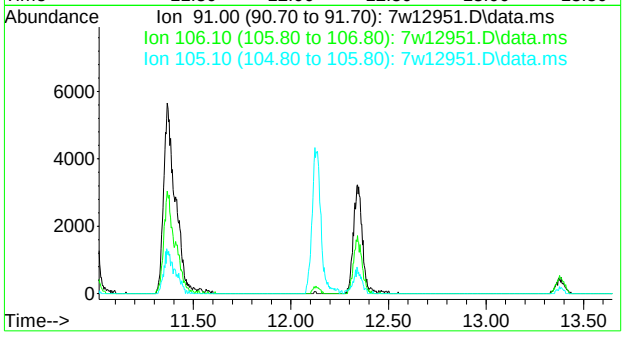
#80
M,P-XYLENE
Concen: N.D.
Expected RT: 11.42 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 91

Sig	Exp Ratio
91	100
106	25.5
105	11.7



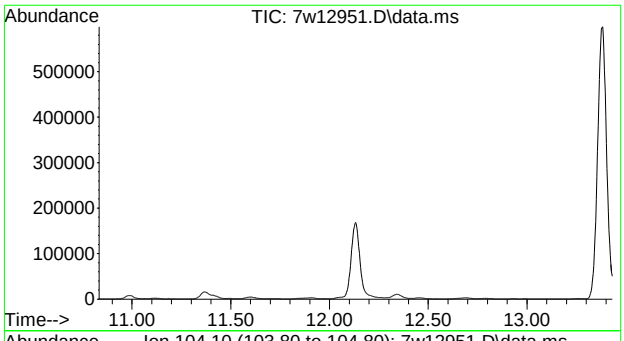


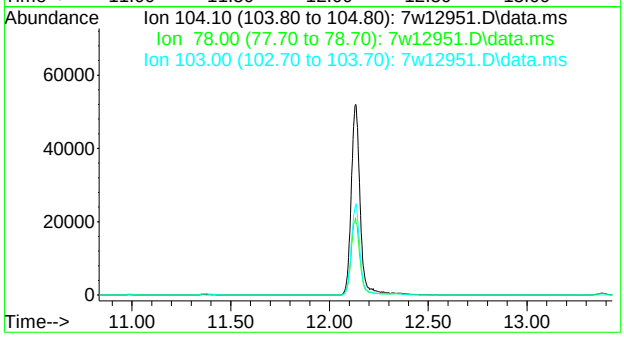
#81
O-XYLENE
Concen: N.D.
Expected RT: 12.35 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 91

Sig	Exp Ratio
91	100
106	46.7
105	18.9



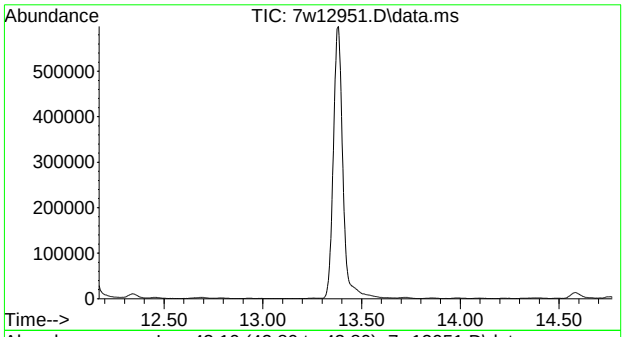


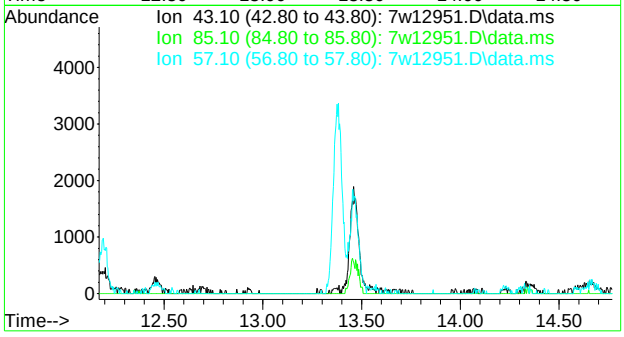
#82
STYRENE
Concen: N.D.
Expected RT: 12.13 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 104

Sig	Exp Ratio
104	100
78	42.8
103	47.2



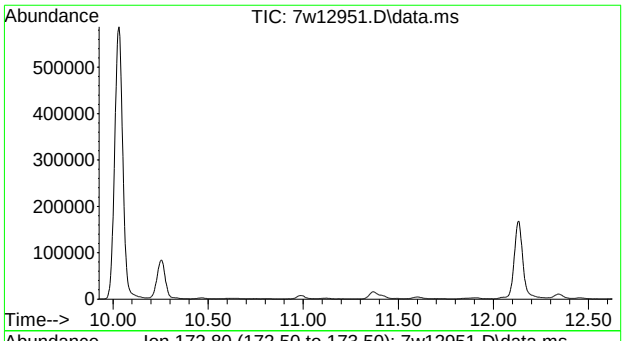


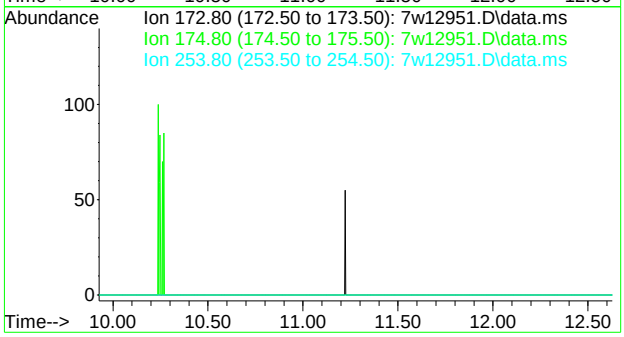
#83
NONANE
Concen: N.D.
Expected RT: 13.47 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 43

Sig	Exp Ratio
43	100
85	35.7
57	93.9



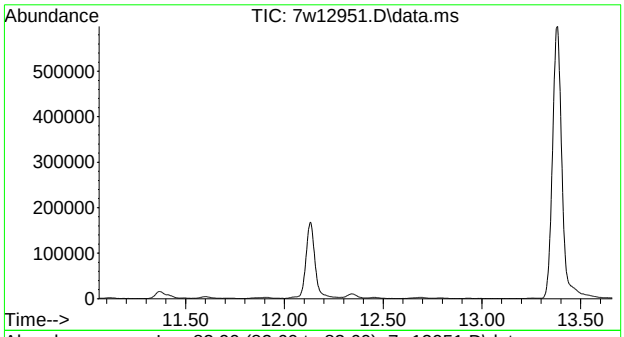


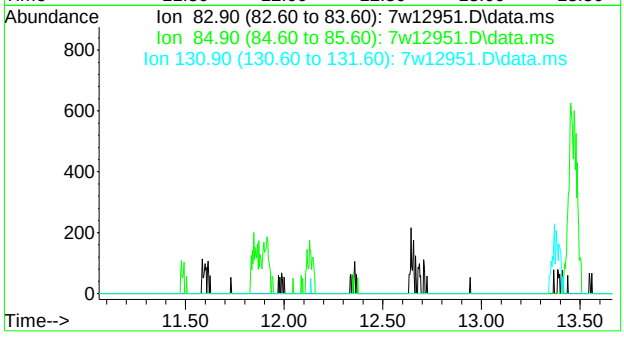
#84
BROMOFORM
Concen: N.D.
Expected RT: 11.23 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 173

Sig	Exp Ratio
173	100
175	48.9
254	8.8



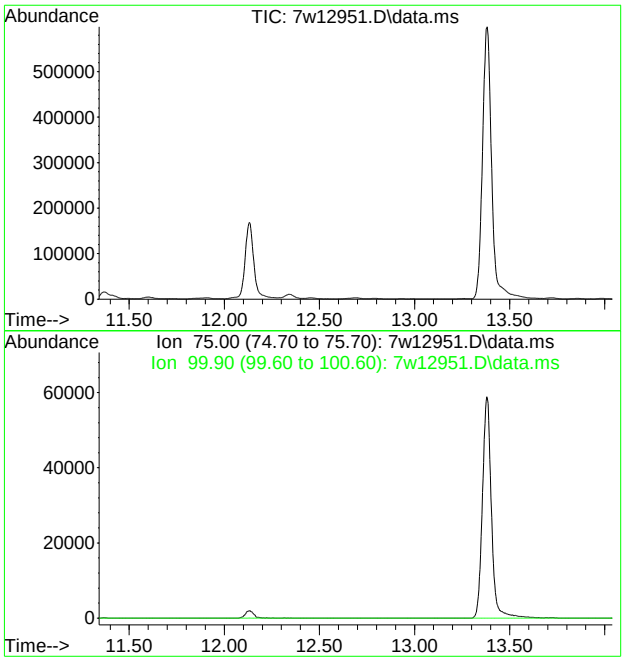


#85
1,1,2,2-TETRACHLOROETHANE
Concen: N.D.
Expected RT: 12.36 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 83

Sig	Exp Ratio
83	100
85	66.4
131	11.1

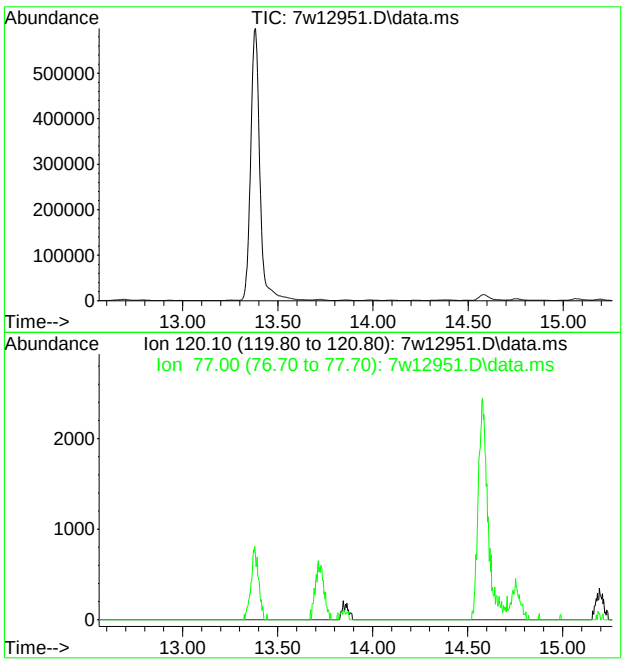


#86
1,2,3-TRICHLOROPROPANE
Concen: N.D.
Expected RT: 12.64 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 75

Sig	Exp Ratio
75	100
100	0.7

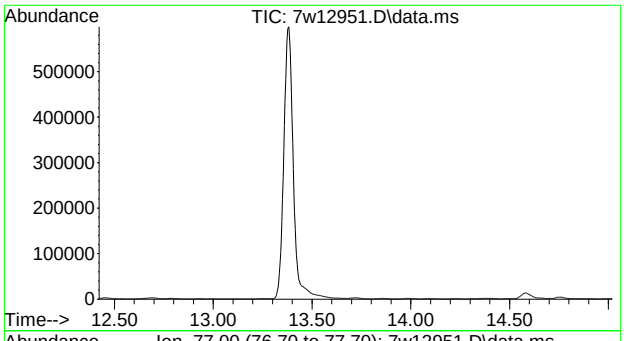


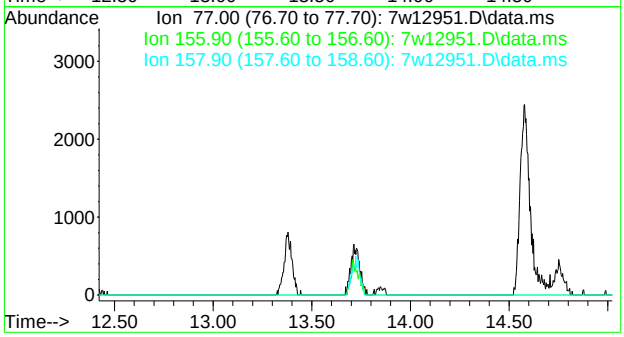
#88
ISOPROPYLBENZENE
Concen: N.D.
Expected RT: 13.86 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 120

Sig	Exp Ratio
120	100
77	57.0



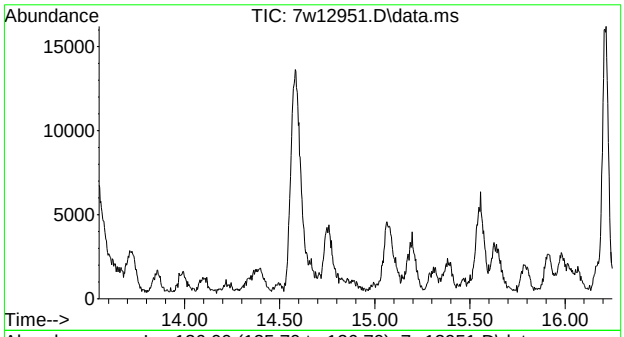


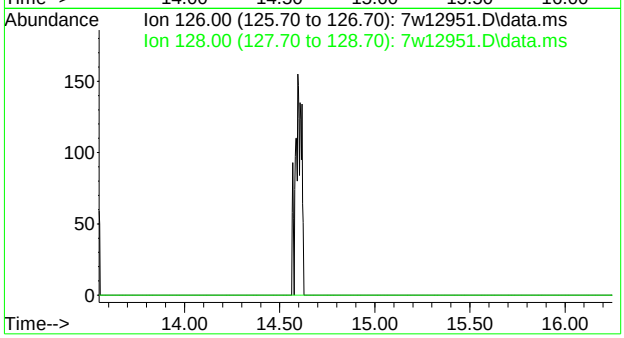
#89
BROMOBENZENE
Concen: N.D.
Expected RT: 13.72 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 77

Sig	Exp Ratio
77	100
156	64.0
158	61.9



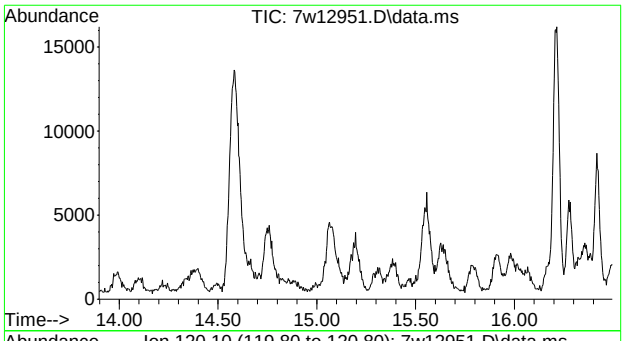


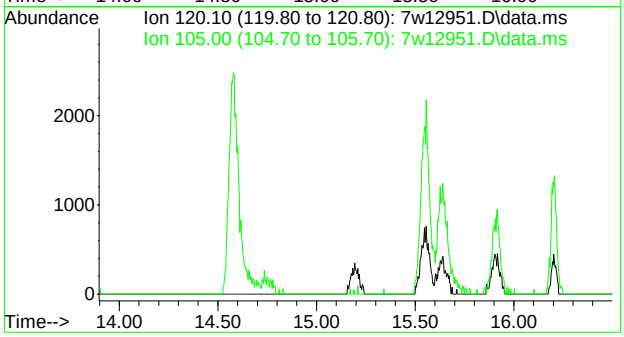
#90
2-CHLOROTOLUENE
Concen: N.D.
Expected RT: 14.85 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 126

Sig	Exp Ratio
126	100
128	32.1



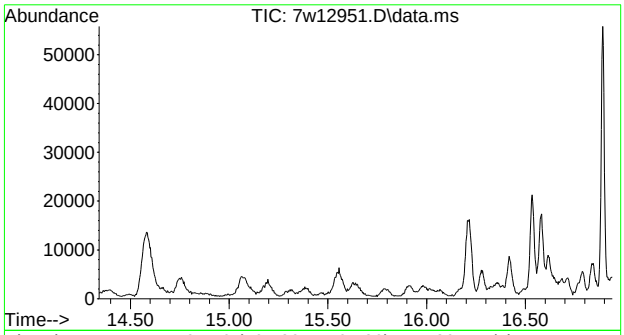


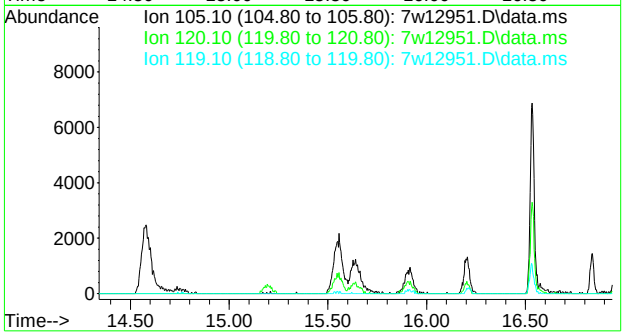
#91
N-PROPYLBENZENE
Concen: N.D.
Expected RT: 15.20 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 120

Sig	Exp Ratio
120	100
105	16.1



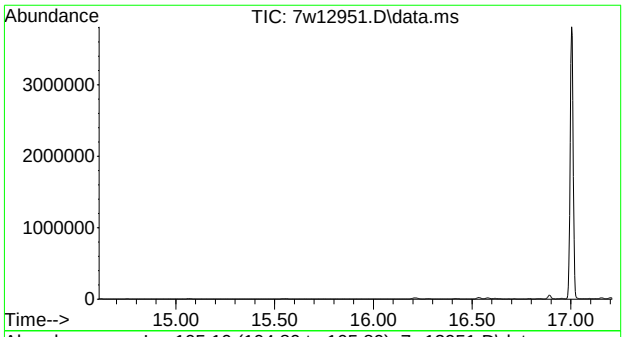


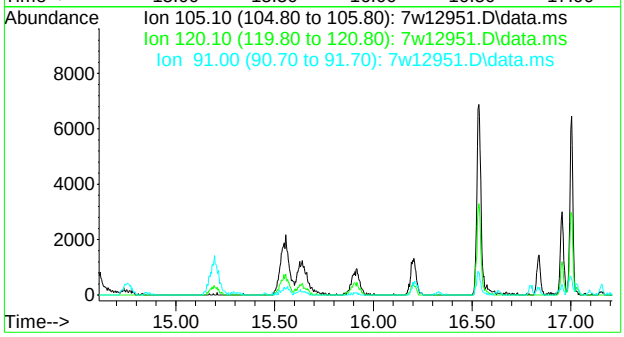
#92
4-ETHYLTOLUENE
Concen: N.D.
Expected RT: 15.64 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 105

Sig	Exp Ratio
105	100
120	30.1
119	2.3



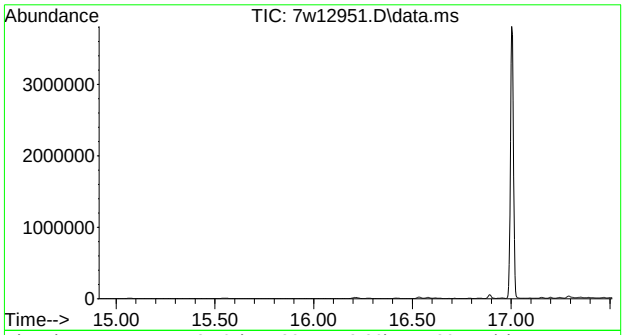


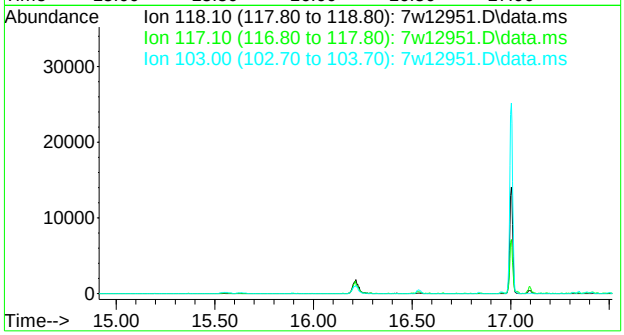
#93
1,3,5-TRIMETHYLBENZENE
Concen: N.D.
Expected RT: 15.91 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 105

Sig	Exp Ratio
105	100
120	49.8
91	10.7



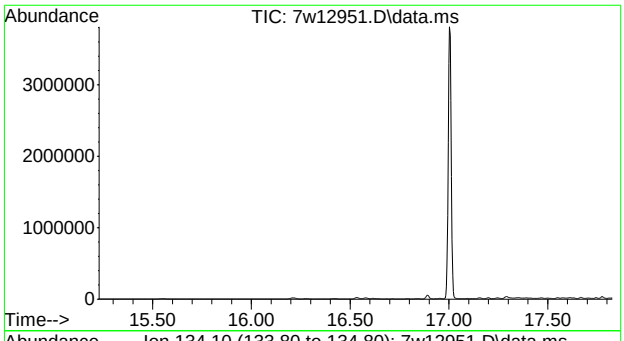


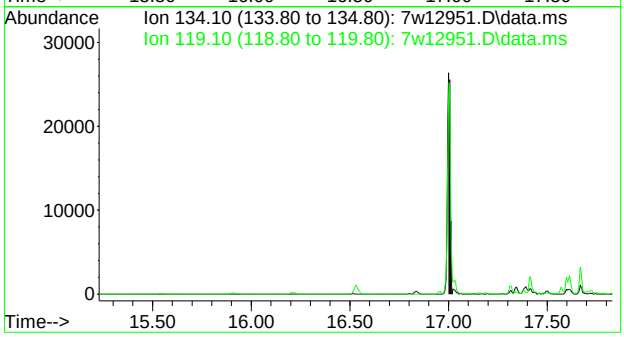
#94
ALPHA-METHYLSTYRENE
Concen: N.D.
Expected RT: 16.21 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 118

Sig	Exp Ratio
118	100
117	85.2
103	56.1



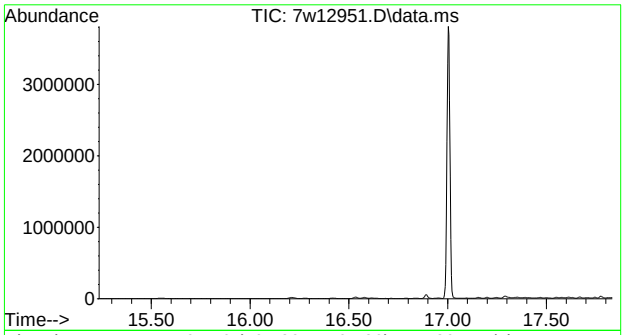


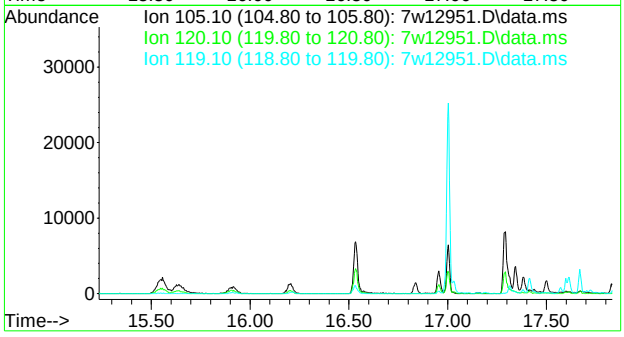
#95
TERT-BUTYLBENZENE
Concen: N.D.
Expected RT: 16.53 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 134

Sig	Exp Ratio
134	100
119	445.5



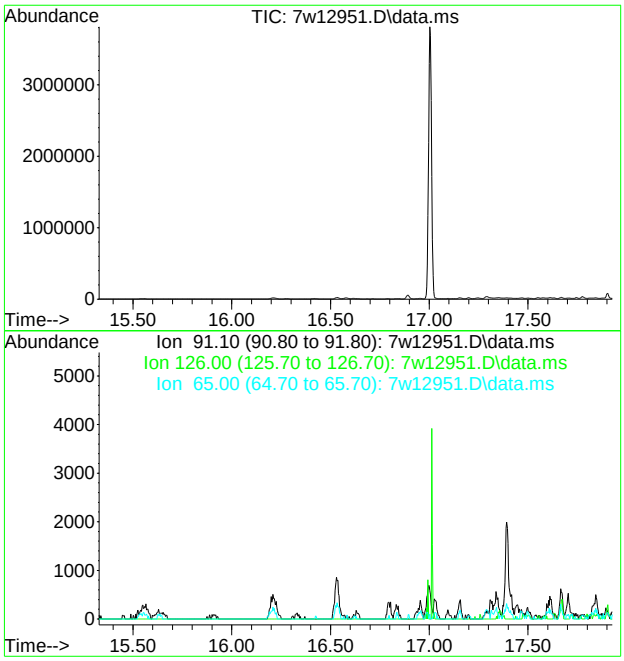


#96
1,2,4-TRIMETHYLBENZENE
Concen: N.D.
Expected RT: 16.53 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 105

Sig	Exp Ratio
105	100
120	55.4
119	106.1

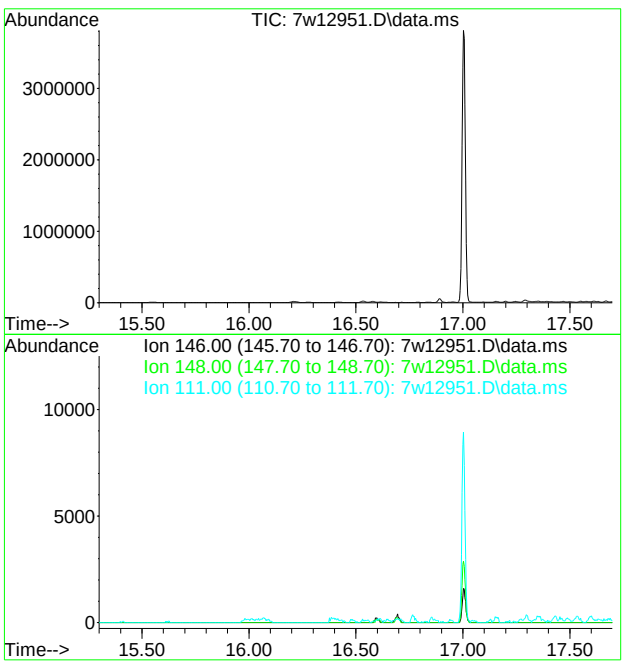


#97
BENZYL CHLORIDE
Concen: N.D.
Expected RT: 16.63 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 91

Sig	Exp Ratio
91	100
126	21.5
65	12.9

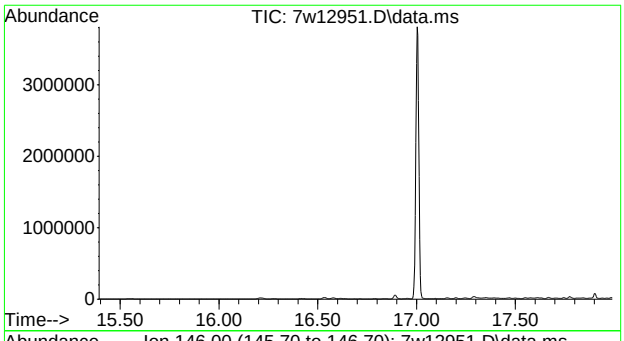


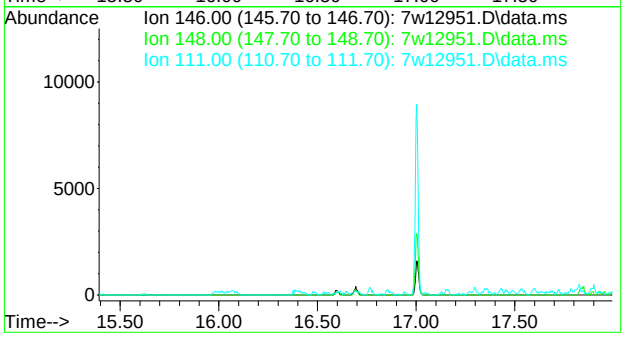
#98
M-DICHLOROBENZENE
Concen: N.D.
Expected RT: 16.60 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 146

Sig	Exp Ratio
146	100
148	63.5
111	40.9



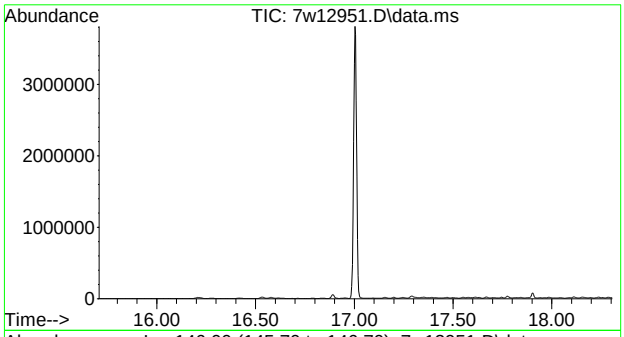


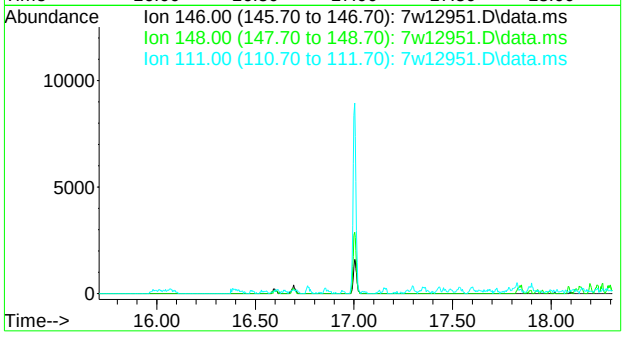
#99
P-DICHLOROBENZENE
Concen: N.D.
Expected RT: 16.69 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 146

Sig	Exp Ratio
146	100
148	63.8
111	39.7



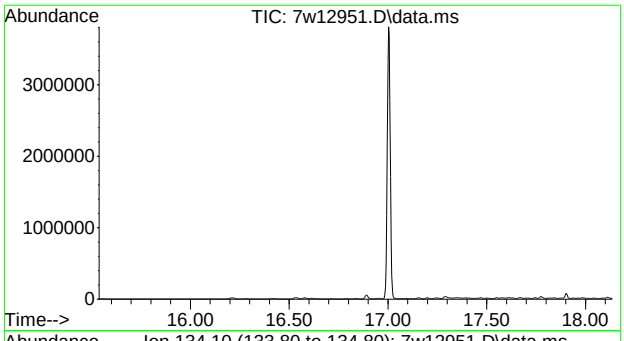


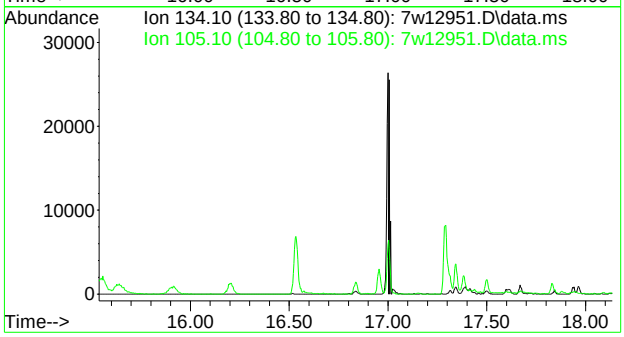
#100
O-DICHLOROBENZENE
Concen: N.D.
Expected RT: 17.01 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 146

Sig	Exp Ratio
146	100
148	63.5
111	42.4



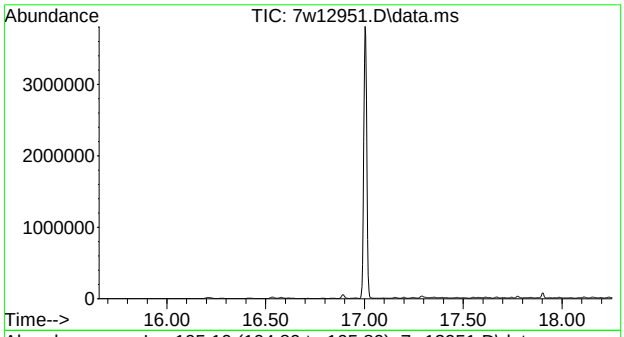


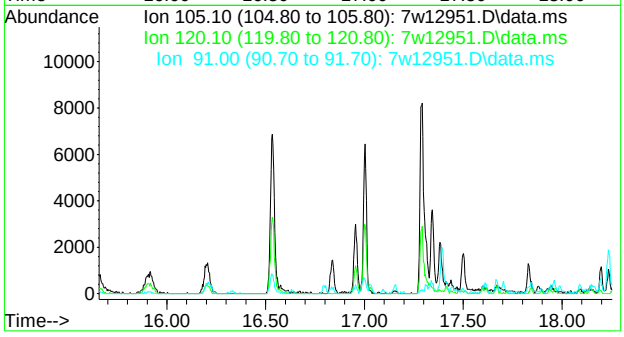
#101
SEC-BUTYLBENZENE
Concen: N.D.
Expected RT: 16.84 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 134

Sig	Exp Ratio
134	100
105	478.7



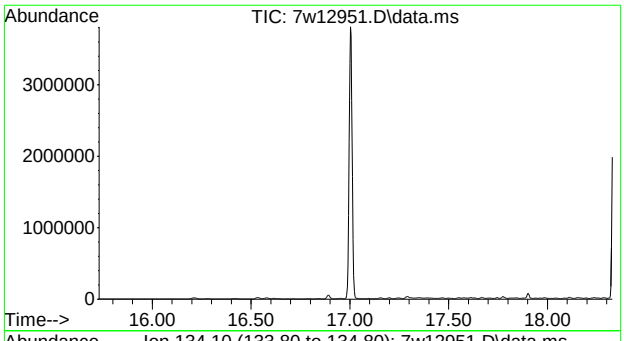


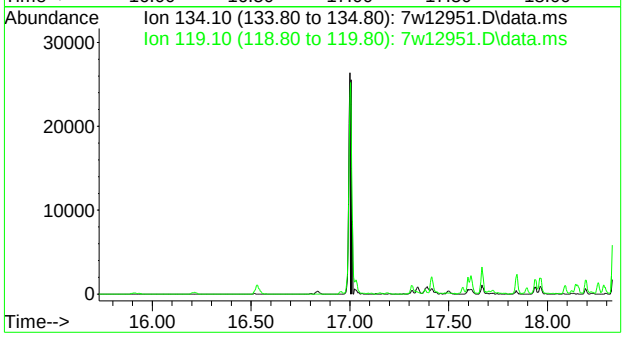
#102
1,2,3-TRIMETHYLBENZENE
Concen: N.D.
Expected RT: 16.95 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 105

Sig	Exp Ratio
105	100
120	43.2
91	10.2



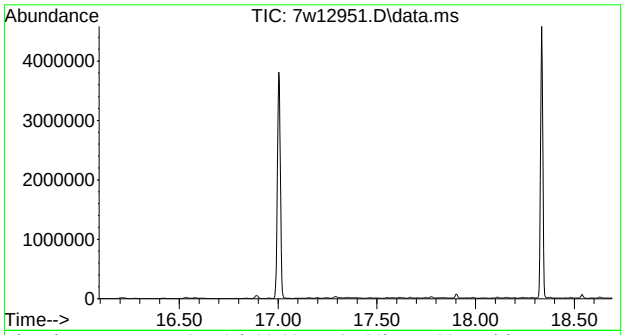


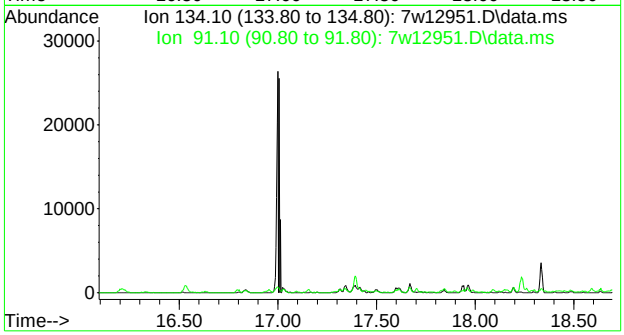
#103
P-ISOPROPYLTOLUENE
Concen: N.D.
Expected RT: 17.03 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 134

Sig	Exp Ratio
134	100
119	375.4



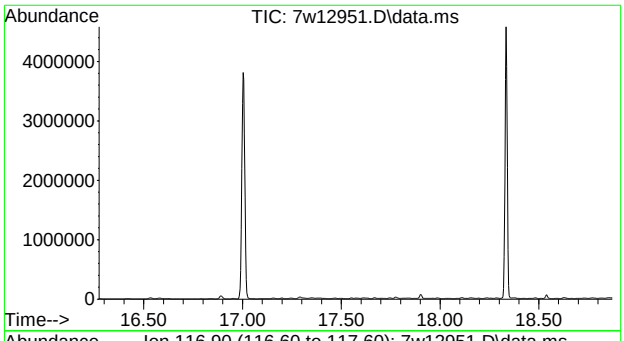


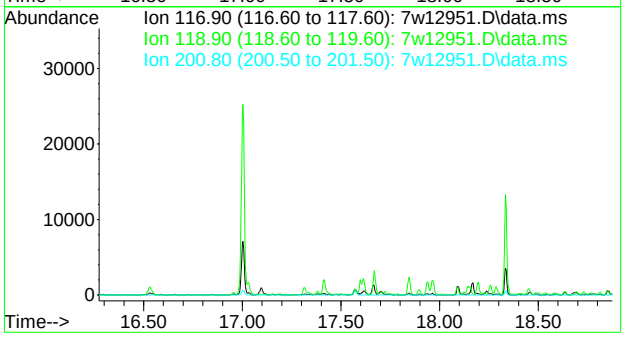
#104
N-BUTYLBENZENE
Concen: N.D.
Expected RT: 17.39 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 134

Sig	Exp Ratio
134	100
91	361.5



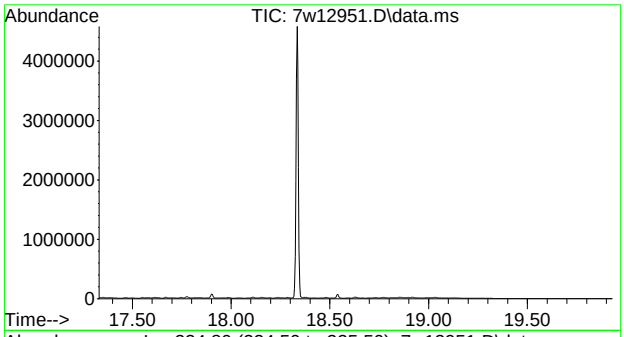


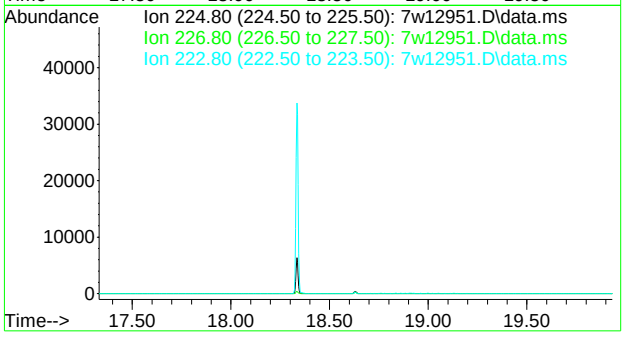
#105
HEXACHLOROETHANE
Concen: N.D.
Expected RT: 17.57 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 117

Sig	Exp Ratio
117	100
119	96.1
201	69.1



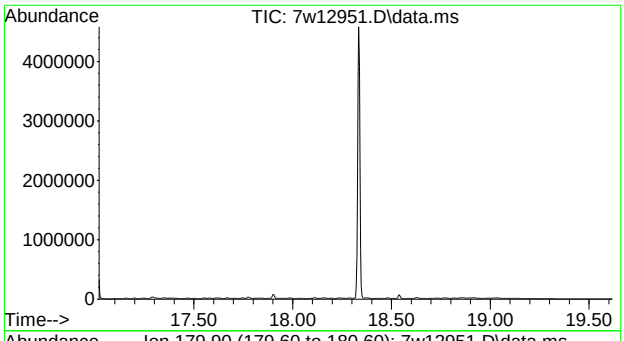


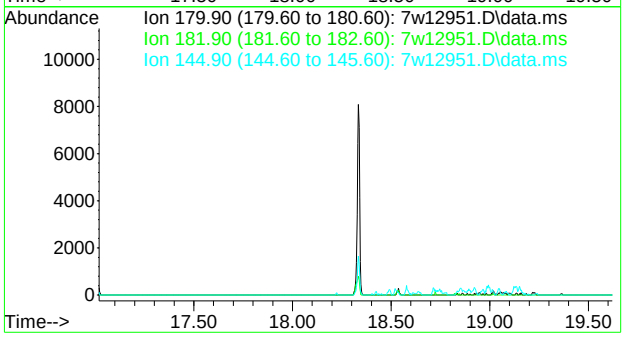
#106
HEXACHLOROBUTADIENE
Concen: N.D.
Expected RT: 18.63 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 225

Sig	Exp Ratio
225	100
227	63.7
223	63.3



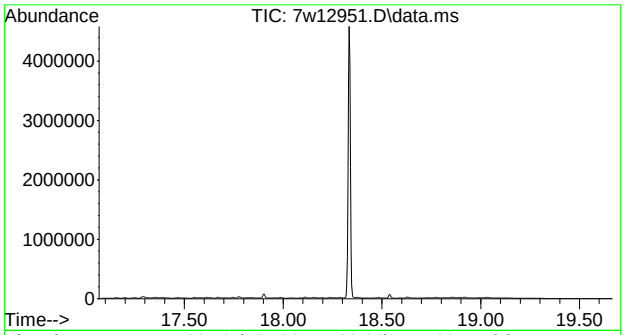


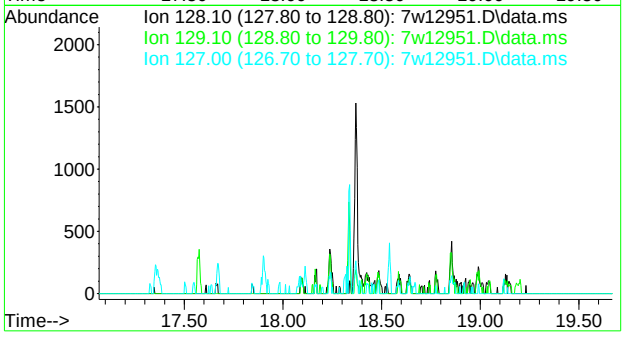
#107
1,2,4-TRICHLOROBENZENE
Concen: N.D.
Expected RT: 18.32 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 180

Sig	Exp Ratio
180	100
182	94.6
145	33.0



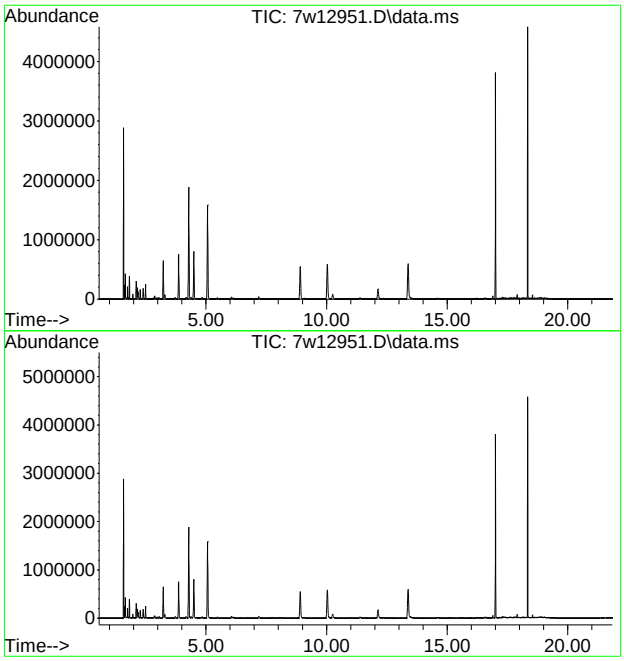


#108
NAPHTHALENE
Concen: N.D.
Expected RT: 18.37 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: 128

Sig	Exp Ratio
128	100
129	10.9
127	12.7



#110
TVHC as equiv Pentane
Concen: N.D.
Expected RT: 2.27 min

Lab File: 7w12951.D
Acq: 24 Feb 2025 3:26 am

Tgt Ion: TIC

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/17/25 12:52

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2025\2. February\17 Feb 2025\V6W1450\
Data File : 6w34971.D
Acq On : 16 Feb 2025 6:59 pm
Operator : benk
Sample : je5461-4dup
Misc : MS89567,v6w1450,592,,,,1.48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 17 12:47:02 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	3.280	128	28426	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	145211	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	65112	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	101181	10.55	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.50%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	1313	0.33	ppb(v	94
3) Vinyl Chloride	0.000	62	0	N.D.		
4) Chloroethane	0.000	64	0	N.D.	d	
5) 1,1-Dichloroethene	0.000	61	0	N.D.	d	
6) trans-1,2-Dichloroethene	0.000	61	0	N.D.	d	
7) 1,1-Dichloroethane	0.000	63	0	N.D.	d	
8) cis-1,2-Dichloroethene	0.000	61	0	N.D.	d	
9) Chloroform	3.331	83	109m	0.02	ppb(v	
10) 1,1,1-Trichloroethane	0.000	97	0	N.D.	d	
11) 1,2-Dichloroethane	3.765	62	120m	0.02	ppb(v	
12) Benzene	4.278	78	14538	1.53	ppb(v	89
13) Carbon Tetrachloride	4.411	117	672	0.11	ppb(v	99
15) Toluene	7.458	92	11494	1.69	ppb(v#	94
16) Trichloroethene	0.000	95	0	N.D.	d	
17) 1,2-Dichloropropane	0.000	65	0	N.D.	d	
18) Bromodichloromethane	0.000	83	0	N.D.	d	
19) cis-1,3-Dichloropropene	0.000	75	0	N.D.	d	
20) trans-1,3-Dichloropropene	0.000	75	0	N.D.	d	
21) 1,1,2-Trichloroethane	0.000	83	0	N.D.	d	
22) Dibromochloromethane	0.000	129	0	N.D.	d	
23) Tetrachloroethene	9.250	166	42	0.01	ppb(v	90
24) 1,2-Dibromoethane	0.000	107	0	N.D.		
26) Chlorobenzene	0.000	112	0	N.D.	d	
27) 1,1,2,2-Tetrachloroethane	12.805	83	16m	0.00	ppb(v	
29) 1,3-Dichlorobenzene	0.000	146	0	N.D.	d	
30) 1,4-Dichlorobenzene	0.000	146	0	N.D.	d	
31) 1,2-Dichlorobenzene	0.000	146	0	N.D.	d	
32) Naphthalene	0.000	128	0	N.D.	d	

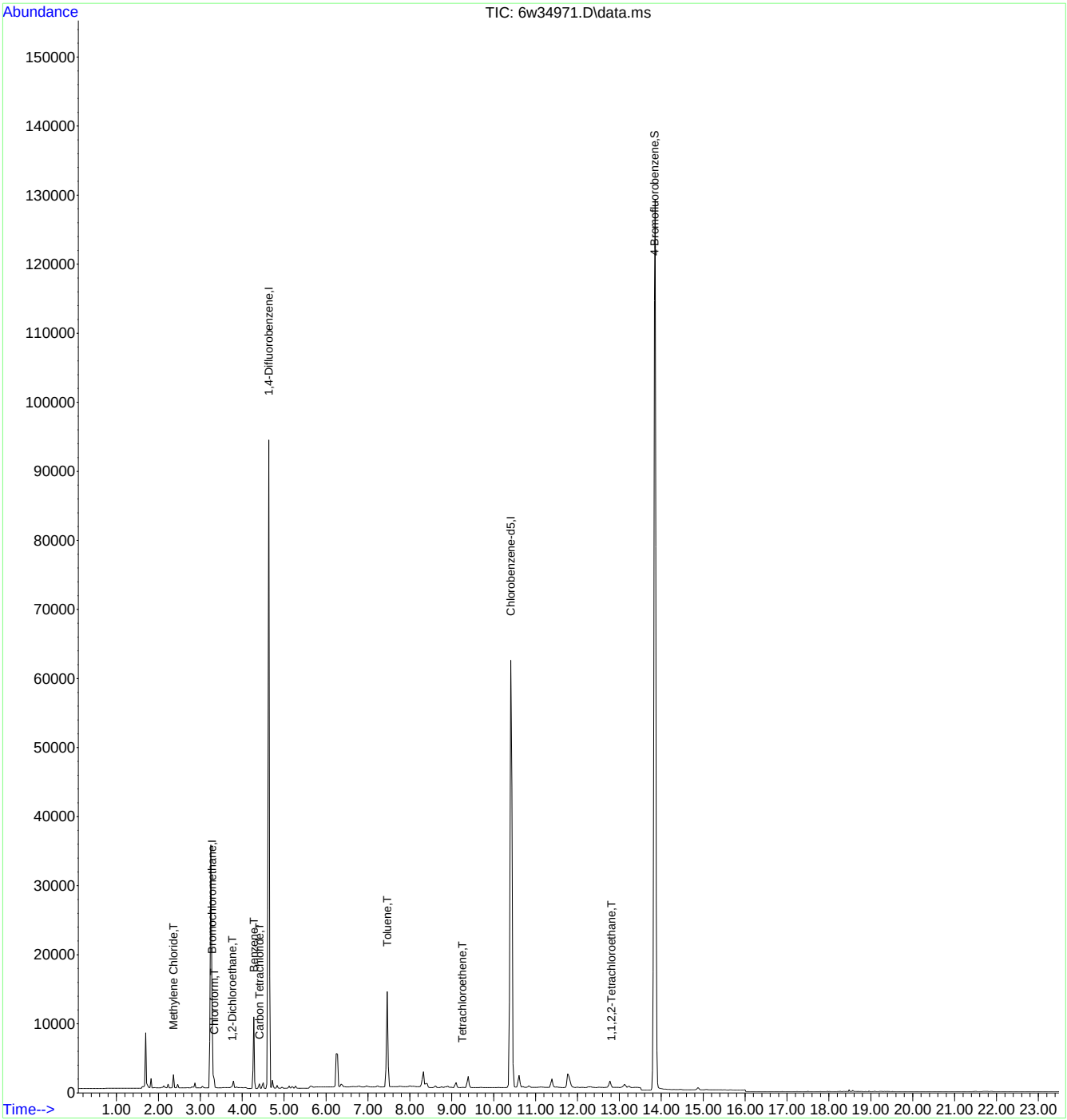
(#) = qualifier out of range (m) = manual integration (+) = signals summed

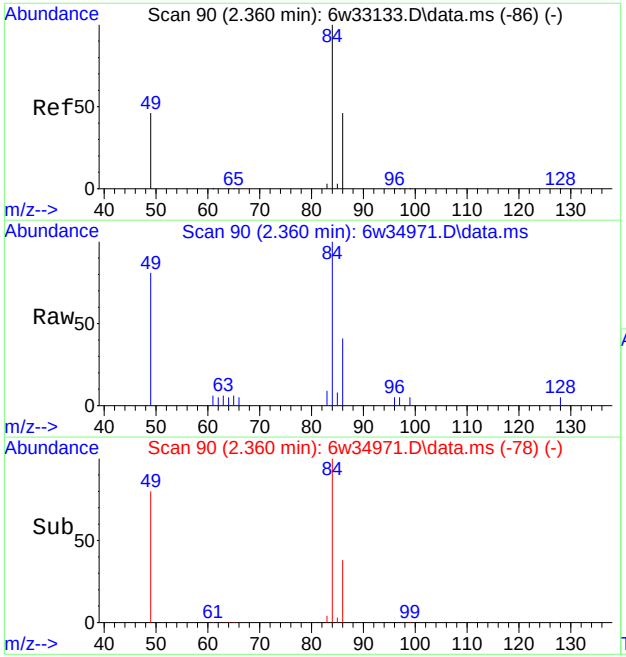
7.4.2
7

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2025\2. February\17 Feb 2025\V6W1450\
Data File : 6w34971.D
Acq On : 16 Feb 2025 6:59 pm
Operator : benk
Sample : je5461-4dup
Misc : MS89567,v6w1450,592,,,,1.48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 17 12:47:02 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

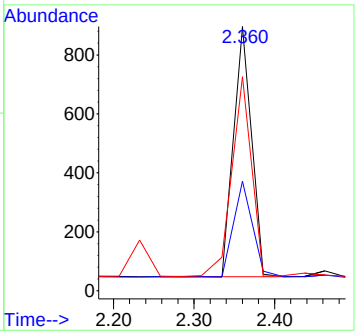


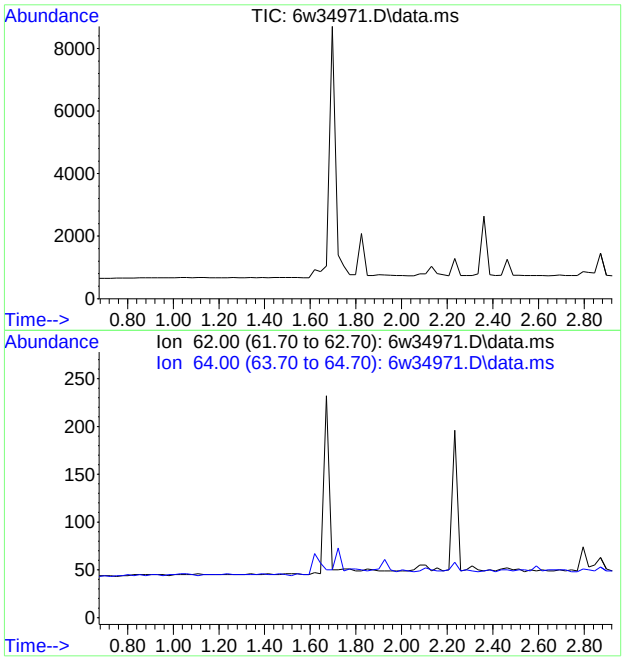


#2
Methylene Chloride
Concen: 0.33 ppb(v)
RT: 2.360 min Scan# 90
Delta R.T. 0.000 min
Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 84 Resp: 1313

Ion	Ratio	Lower	Upper
84	100		
86	41.5	33.7	62.5
49	80.9	59.2	110.0



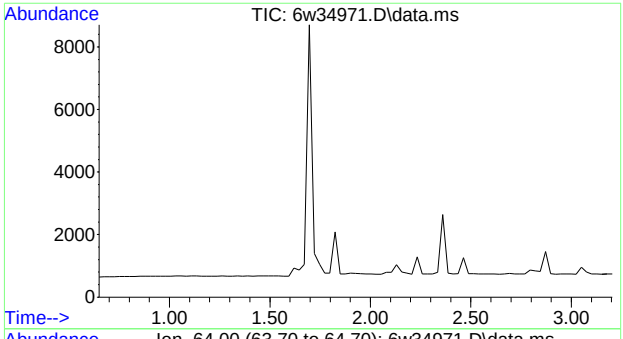


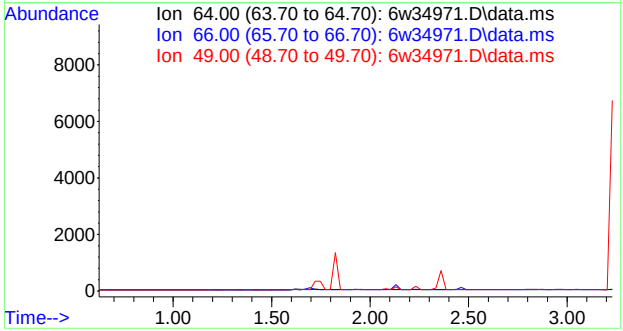
#3
Vinyl Chloride
Concen: N.D.
Expected RT: 1.77 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 62

Sig	Exp Ratio
62	100
64	22.6



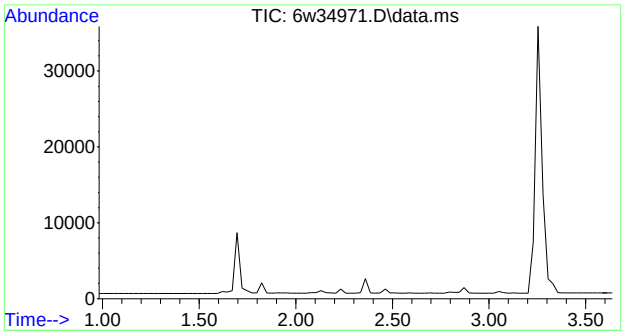


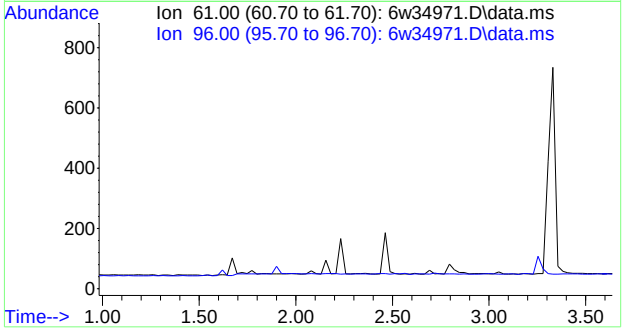
#4
Chloroethane
Concen: N.D.
Expected RT: 1.93 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 64

Sig	Exp Ratio
64	100
66	34.6
49	32.7



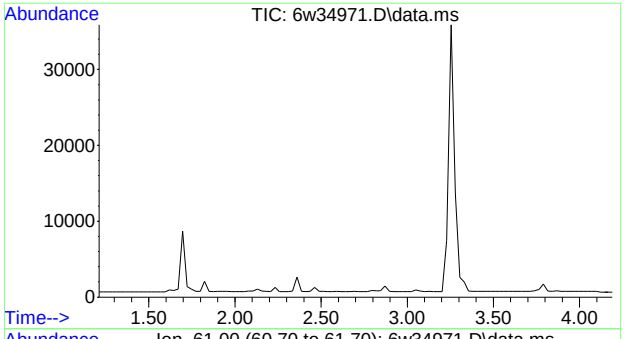


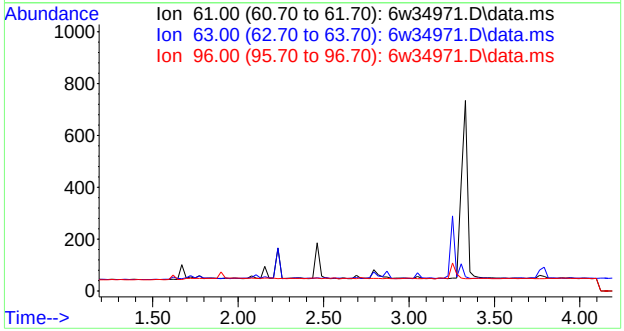
#5
1,1-Dichloroethene
Concen: N.D.
Expected RT: 2.31 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 61

Sig	Exp Ratio
61	100
96	10.9



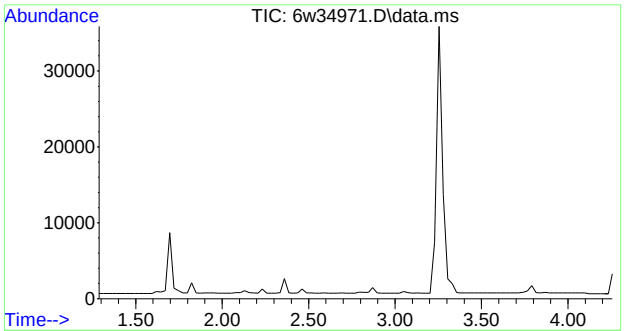


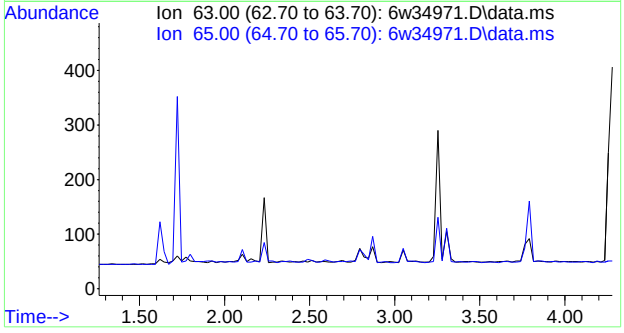
#6
trans-1,2-Dichloroethene
Concen: N.D.
Expected RT: 2.69 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 61

Sig	Exp Ratio
61	100
63	34.7
96	12.8



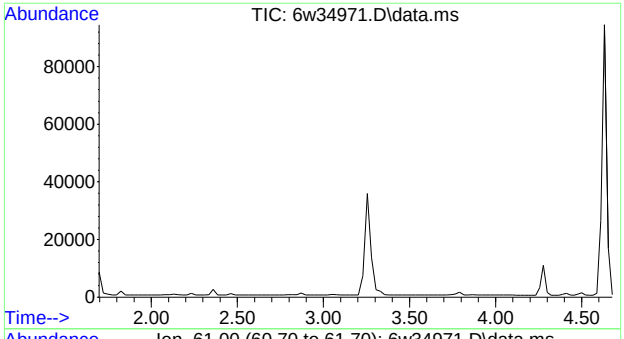


#7
1,1-Dichloroethane
Concen: N.D.
Expected RT: 2.77 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 63

Sig	Exp Ratio
63	100
65	27.7

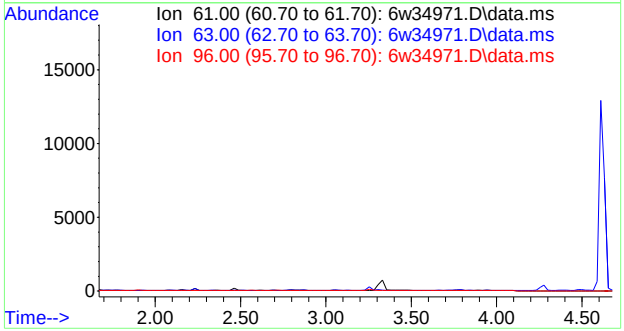


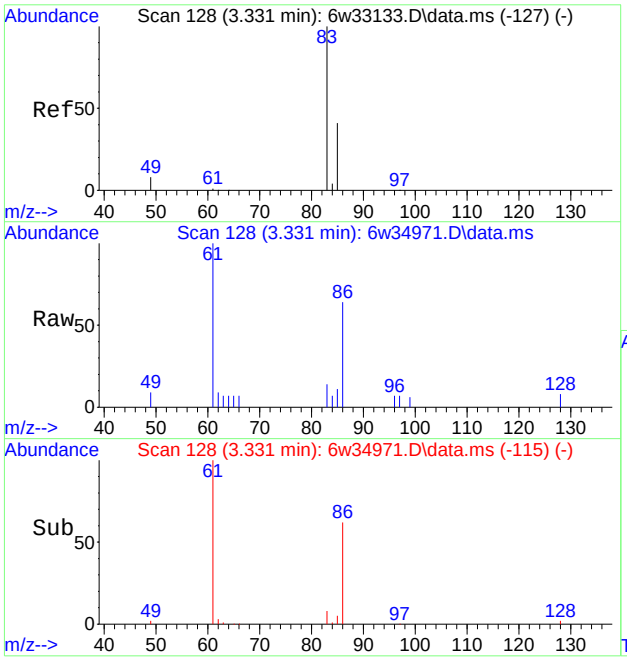
#8
cis-1,2-Dichloroethene
Concen: N.D.
Expected RT: 3.18 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 61

Sig	Exp Ratio
61	100
63	61.1
96	137.4

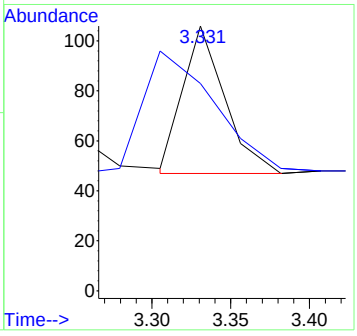


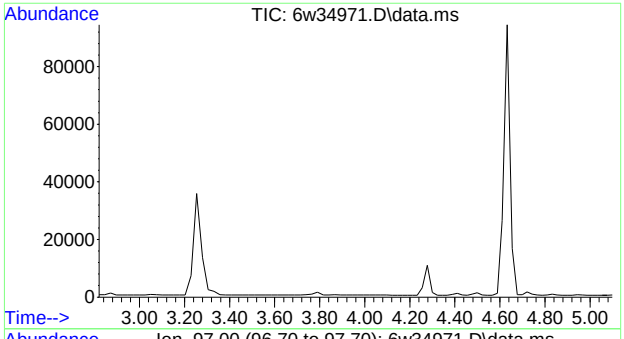


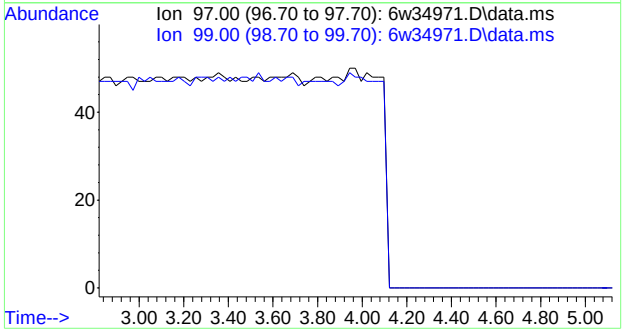
#9
Chloroform
Concen: 0.02 ppb(v) m
RT: 3.331 min Scan# 128
Delta R.T. -0.000 min
Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 83 Resp: 109

Ion	Ratio	Lower	Upper
83	100		
85	78.3	38.9	72.2#





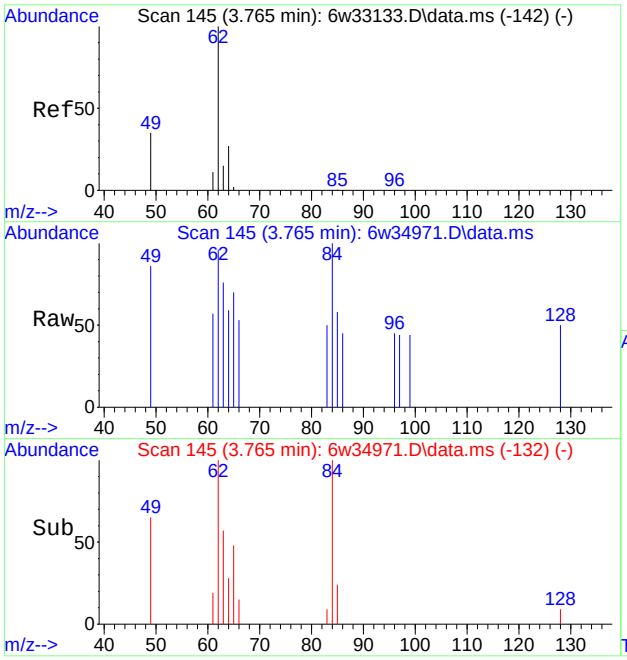


#10
1,1,1-Trichloroethane
Concen: N.D.
Expected RT: 3.97 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 97

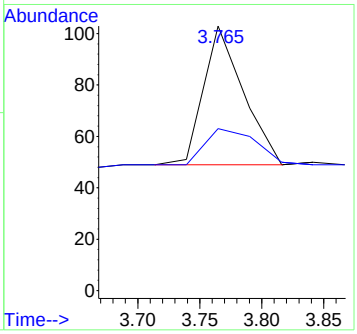
Sig	Exp Ratio
97	100
99	79.7

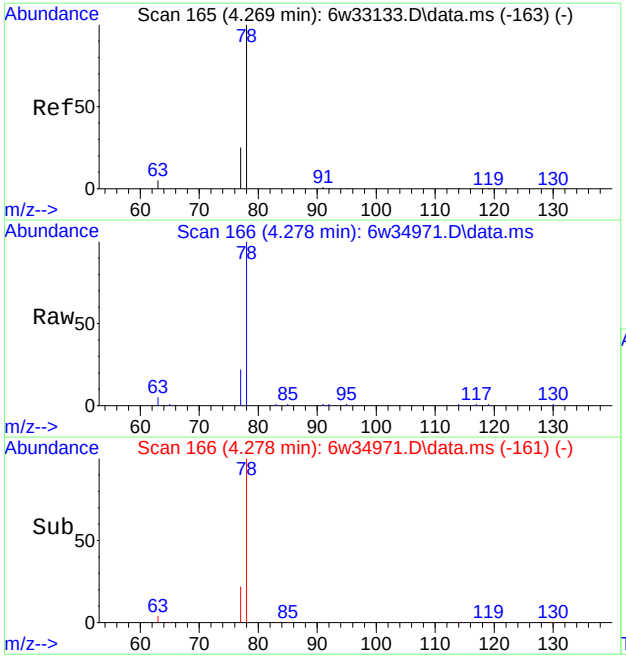


#11
1,2-Dichloroethane
Concen: 0.02 ppb(v) m
RT: 3.765 min Scan# 145
Delta R.T. -0.000 min
Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 62 Resp: 120

Ion	Ratio	Lower	Upper
62	100		
64	61.2	24.4	45.4#

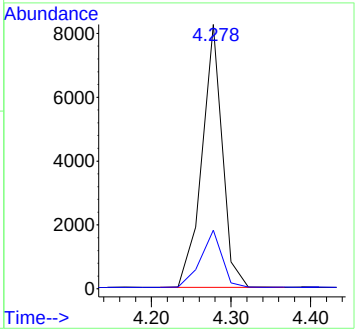


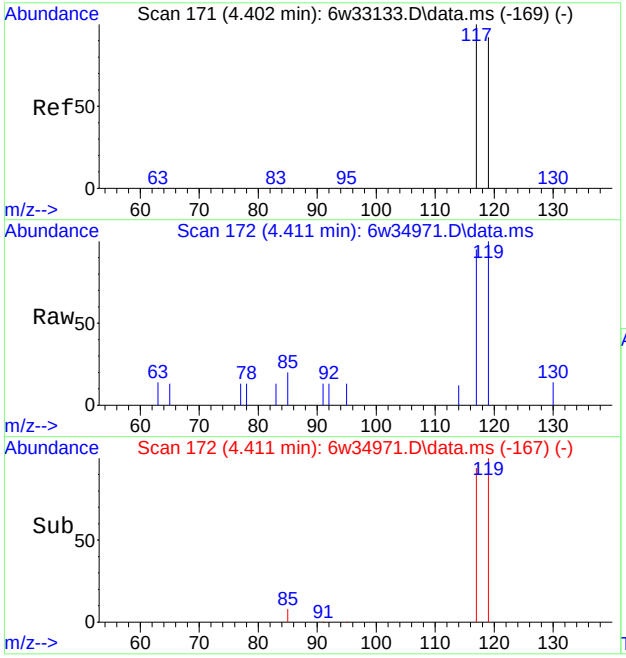


#12
Benzene
Concen: 1.53 ppb(v)
RT: 4.278 min Scan# 166
Delta R.T. -0.000 min
Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 78 Resp: 14538

Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.7	36.7

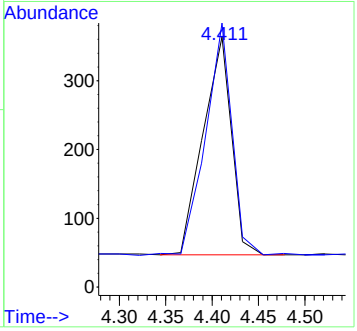


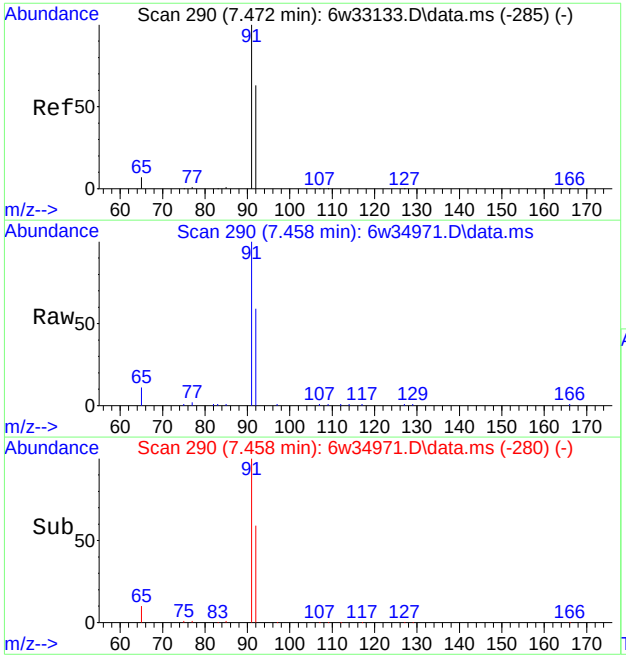


#13
Carbon Tetrachloride
Concen: 0.11 ppb(v)
RT: 4.411 min Scan# 172
Delta R.T. -0.000 min
Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion:117 Resp: 672

Ion	Ratio	Lower	Upper
117	100		
119	105.5	73.0	135.6

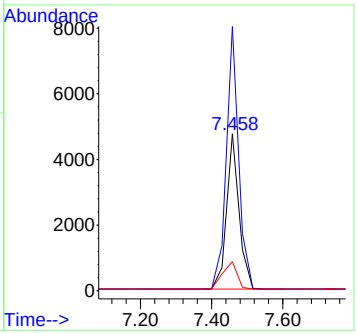


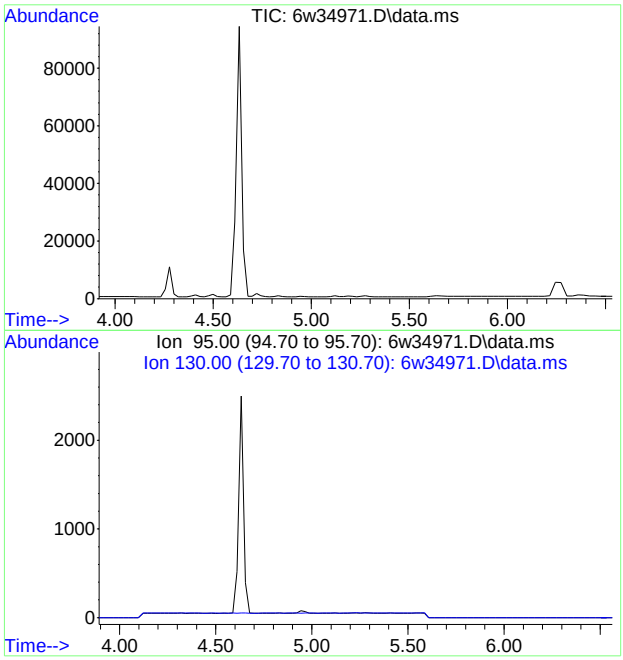


#15
Toluene
Concen: 1.69 ppb(v)
RT: 7.458 min Scan# 290
Delta R.T. -0.000 min
Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 92 Resp: 11494

Ion	Ratio	Lower	Upper
92	100		
91	168.4	115.8	215.0
65	18.6	22.4	41.6#



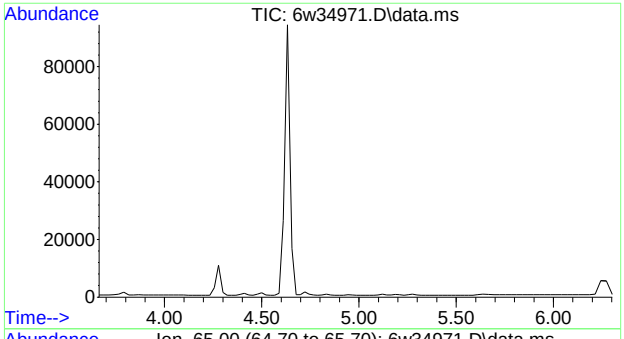


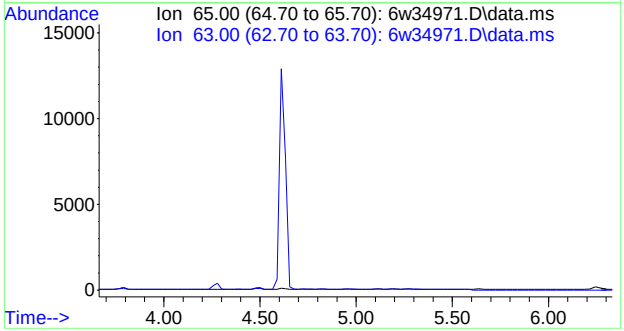
#16
Trichloroethene
Concen: N.D.
Expected RT: 5.23 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 95

Sig	Exp Ratio
95	100
130	82.8



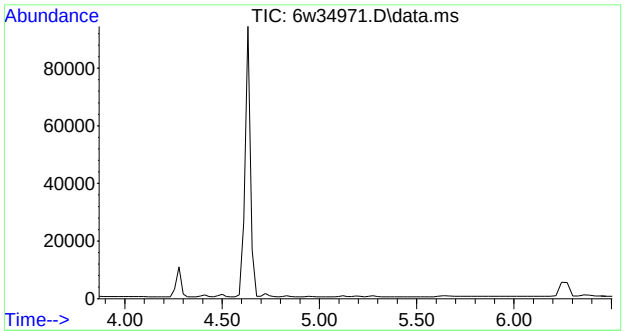


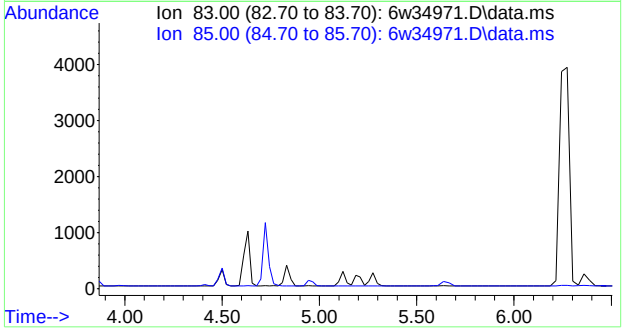
#17
1,2-Dichloropropane
Concen: N.D.
Expected RT: 4.99 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 65

Sig	Exp Ratio
65	100
63	230.0



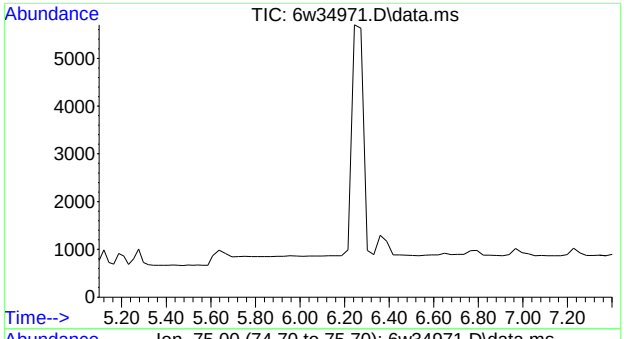


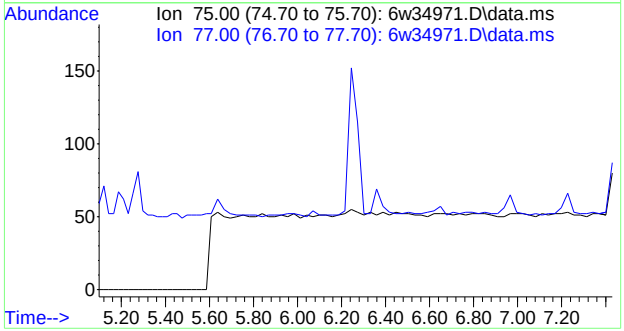
#18
Bromodichloromethane
Concen: N.D.
Expected RT: 5.19 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 83

Sig	Exp Ratio
83	100
85	71.5



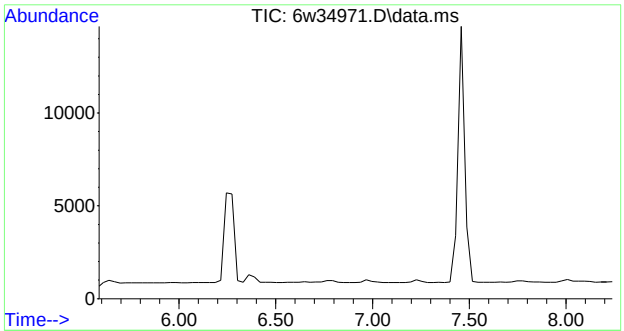


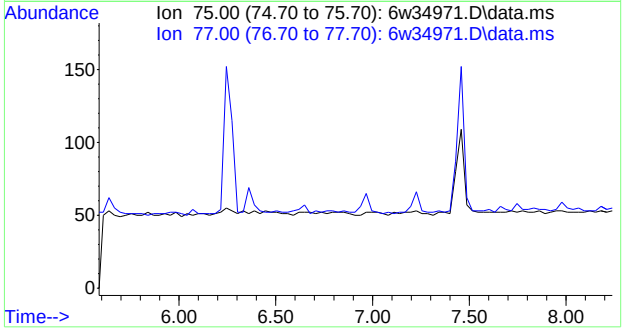
#19
cis-1,3-Dichloropropene
Concen: N.D.
Expected RT: 6.22 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 75

Sig	Exp Ratio
75	100
77	48.6



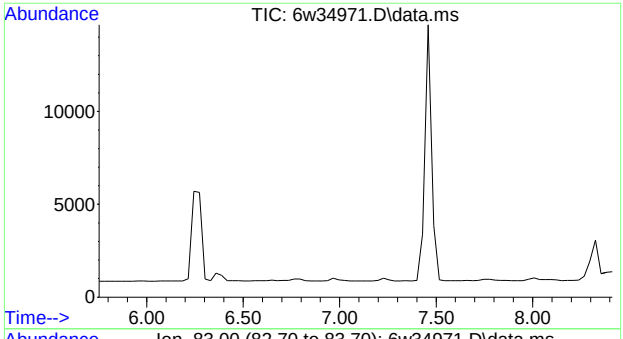


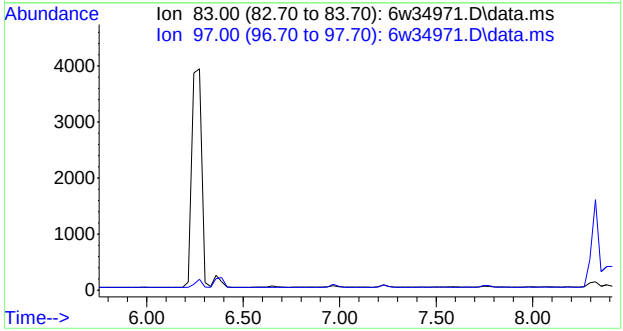
#20
trans-1,3-Dichloropropene
Concen: N.D.
Expected RT: 6.91 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 75

Sig	Exp Ratio
75	100
77	47.5



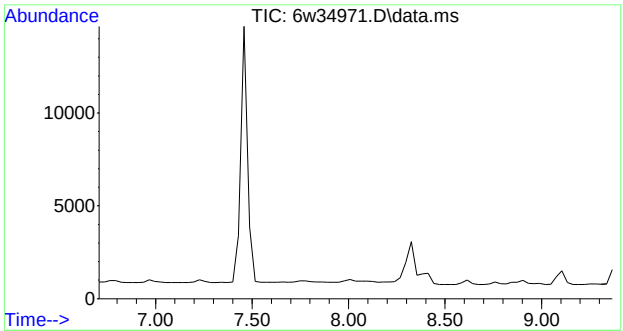


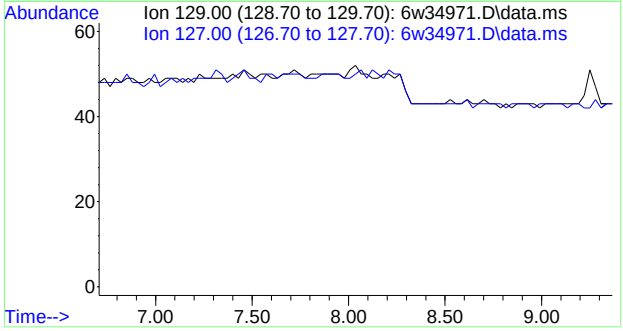
#21
1,1,2-Trichloroethane
Concen: N.D.
Expected RT: 7.08 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 83

Sig	Exp Ratio
83	100
97	89.4



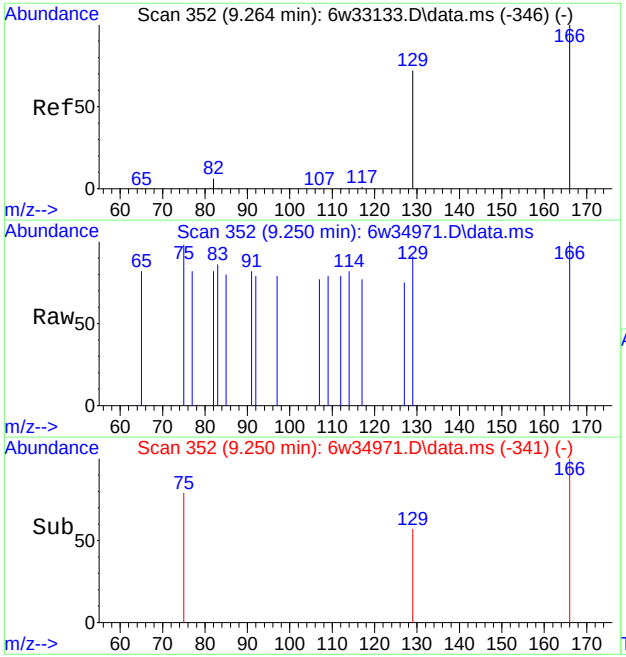


#22
Dibromochloromethane
Concen: N.D.
Expected RT: 8.04 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 129

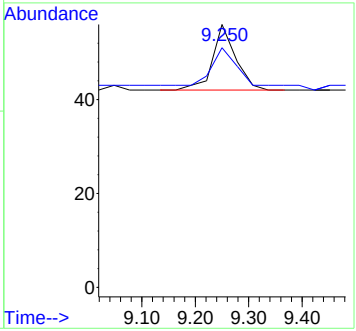
Sig	Exp Ratio
129	100
127	84.1

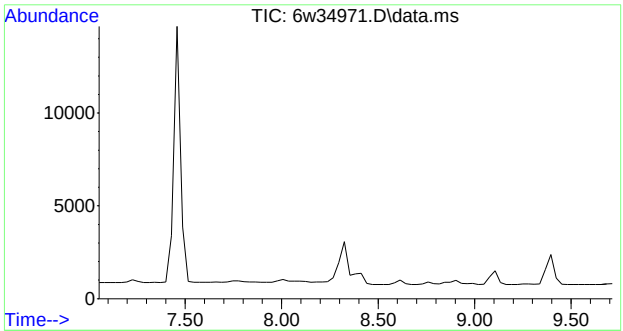


#23
Tetrachloroethene
Concen: 0.01 ppb(v)
RT: 9.250 min Scan# 352
Delta R.T. 0.000 min
Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion:166 Resp: 42

Ion	Ratio	Lower	Upper
166	100		
129	91.1	57.2	106.2



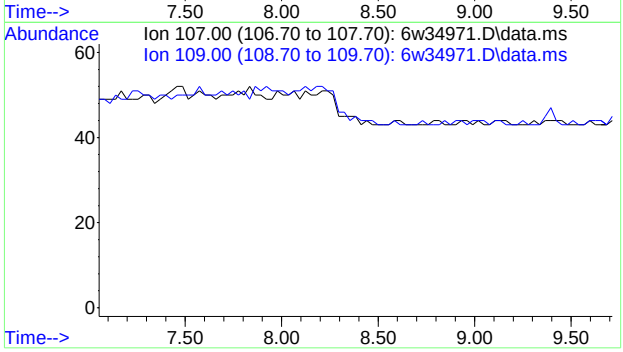


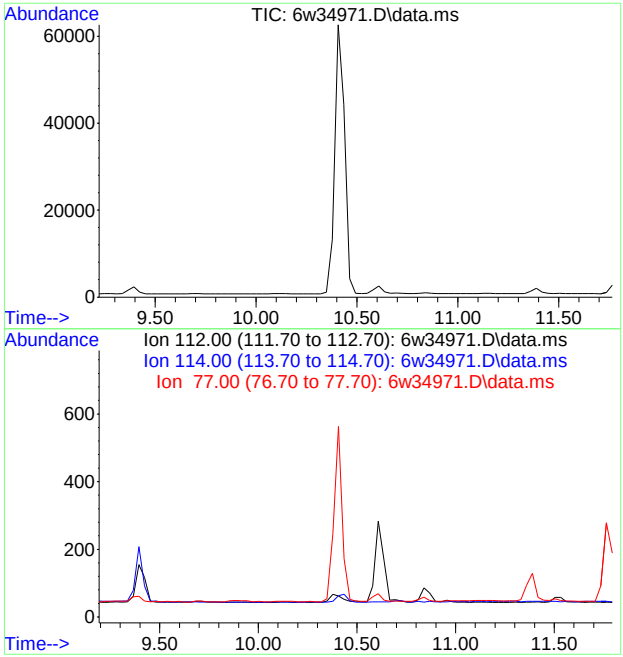
#24
1,2-Dibromoethane
Concen: N.D.
Expected RT: 8.38 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 107

Sig	Exp Ratio
107	100
109	94.8



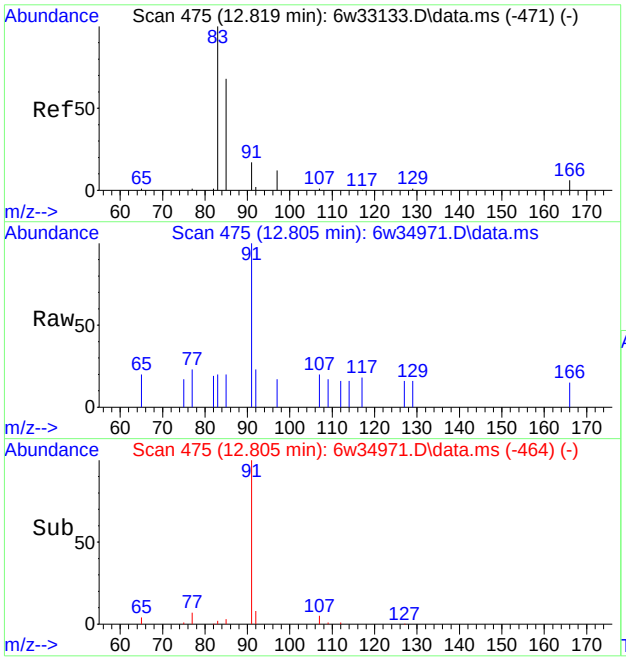


#26
Chlorobenzene
Concen: N.D.
Expected RT: 10.49 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 112

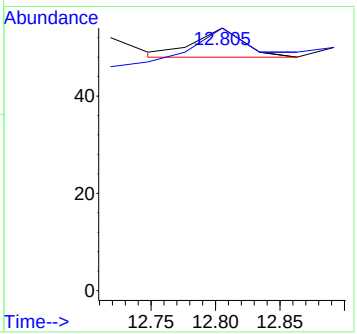
Sig	Exp Ratio
112	100
114	38.6
77	48.8

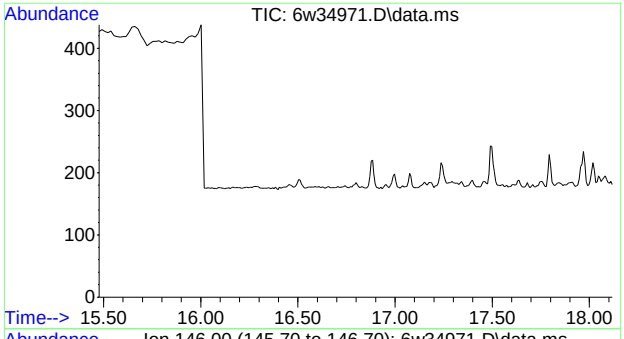


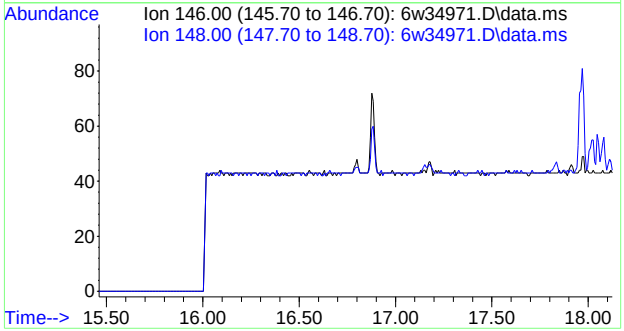
#27
1,1,2,2-Tetrachloroethane
Concen: 0.00 ppb(v) m
RT: 12.805 min Scan# 475
Delta R.T. 0.000 min
Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 83 Resp: 16

Ion	Ratio	Lower	Upper
83	100		
85	100.0	46.4	86.2#





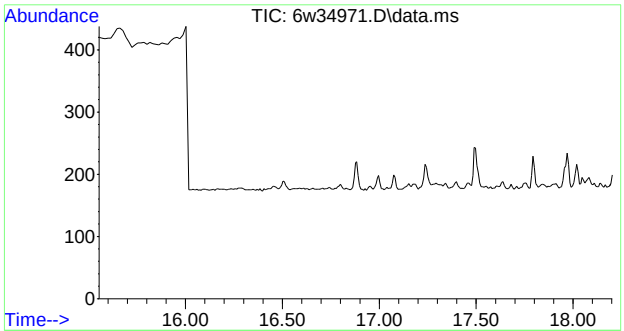


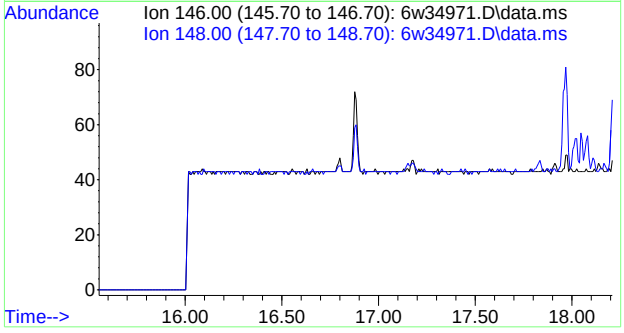
#29
1,3-Dichlorobenzene
Concen: N.D.
Expected RT: 16.79 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 146

Sig	Exp Ratio
146	100
148	57.6



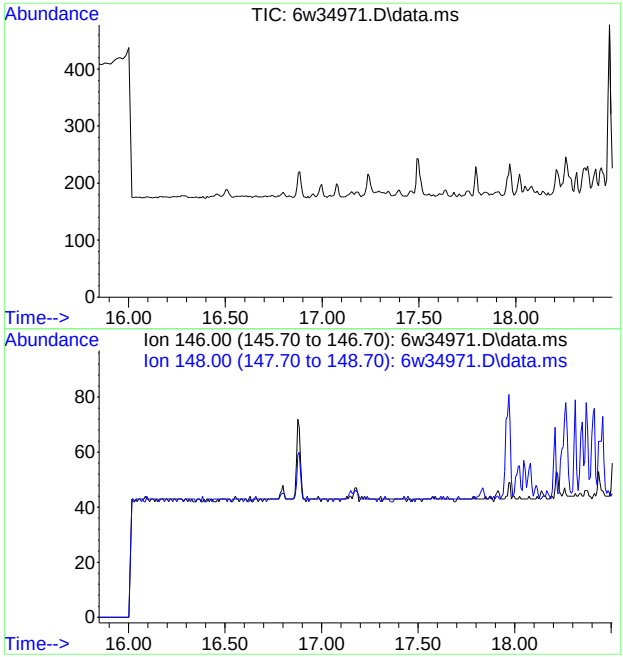


#30
1,4-Dichlorobenzene
Concen: N.D.
Expected RT: 16.88 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 146

Sig	Exp Ratio
146	100
148	58.8

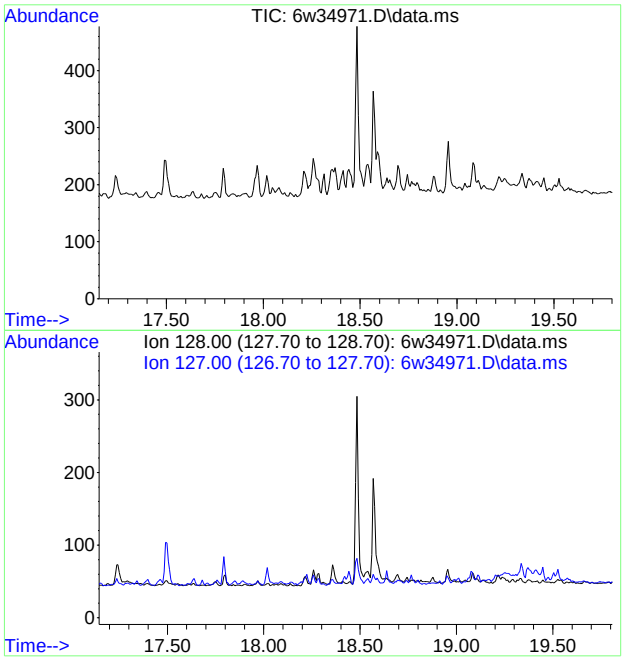


#31
1,2-Dichlorobenzene
Concen: N.D.
Expected RT: 17.17 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 146

Sig	Exp Ratio
146	100
148	60.6



#32
Naphthalene
Concen: N.D.
Expected RT: 18.48 min

Lab File: 6w34971.D
Acq: 16 Feb 2025 6:59 pm

Tgt Ion: 128

Sig	Exp Ratio
128	100
127	14.2

Manual Integration Approval Summary

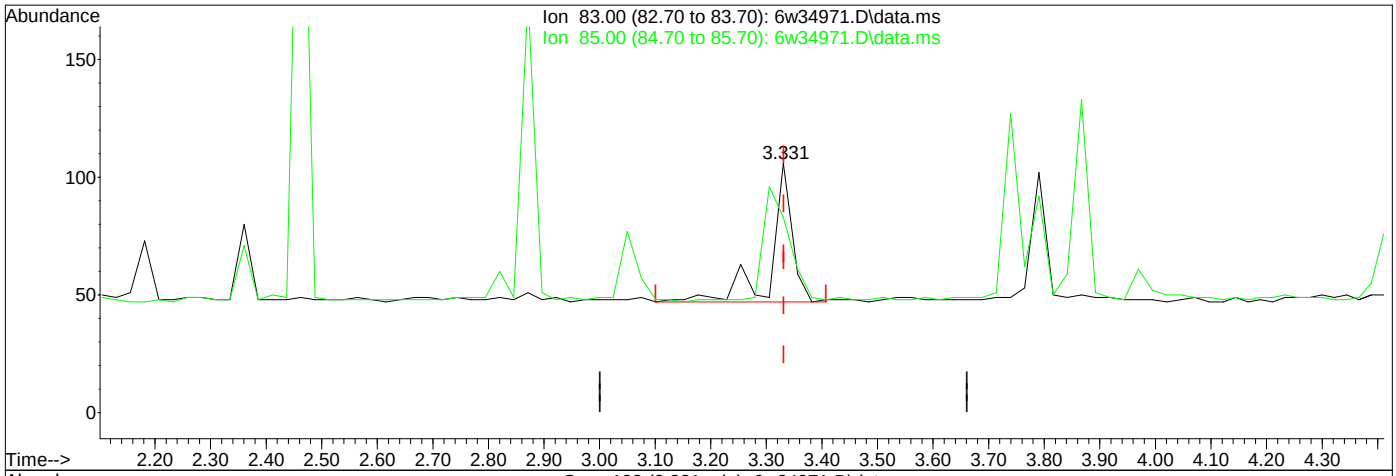
Sample Number: JE5461-4DUP
Lab FileID: 6W34971.D
Injection Time: 02/16/25 18:59
Method: TO-15 (BY SIM)
Analyst approved: 02/17/25 12:50 Kanya Veerawat
Supervisor approved: 02/17/25 12:52 Kanya Veerawat

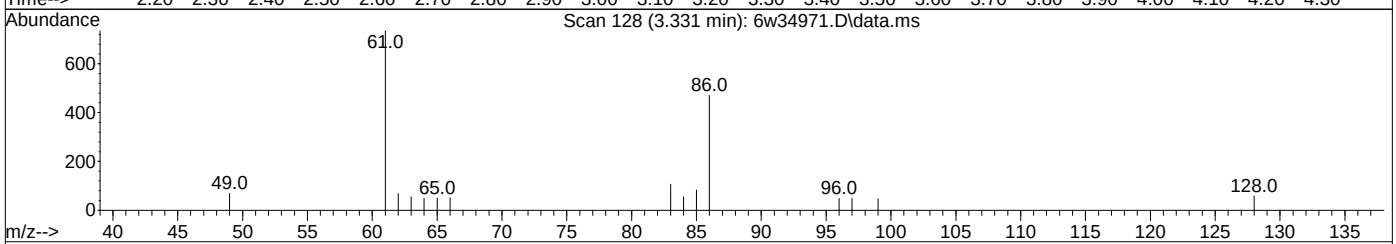
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak
1,2-Dichloroethane	107-06-2		3.76	Poor instrument integration
1,1,2,2-Tetrachloroethane	79-34-5		12.81	Missed peak

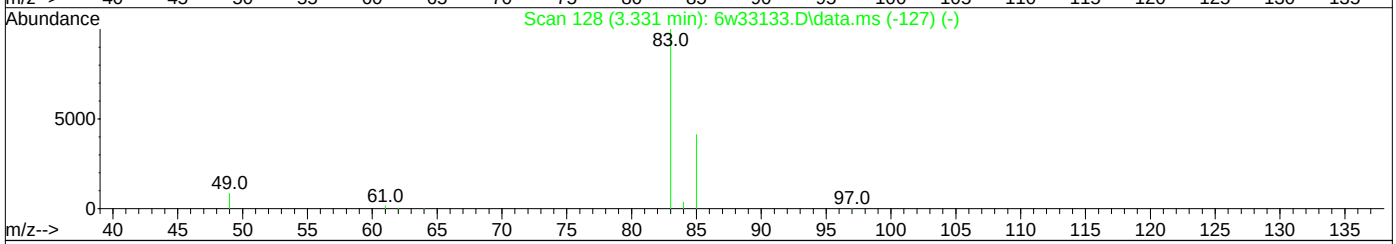
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34971.D
Acq On : 16 Feb 2025 6:59 pm
Operator : benk
Sample : je5461-4dup Inst : GCMS6W
Misc : MS89567,v6w1450,592,,,,1.48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 17 10:23:43 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34971.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.02ppb(v)

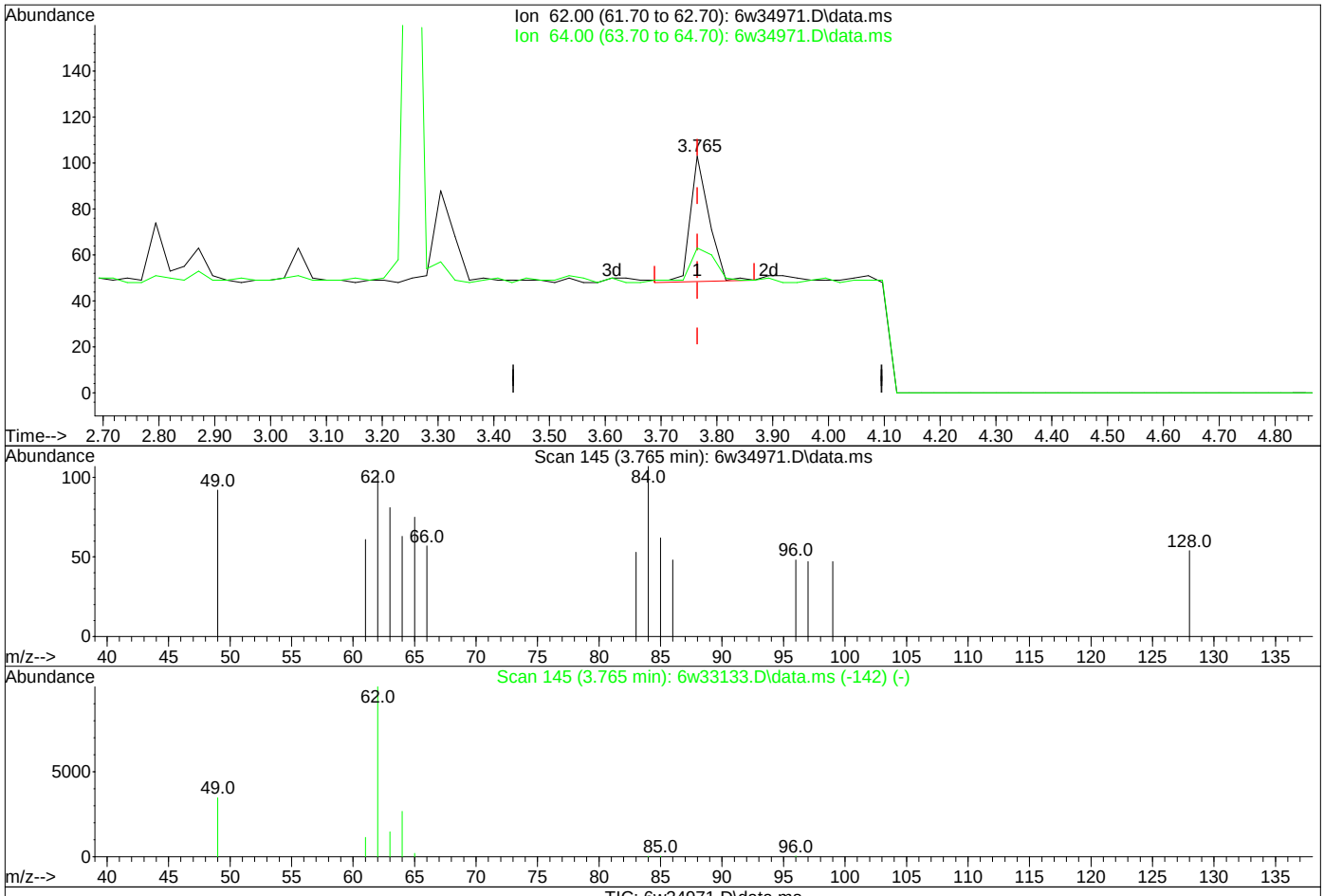
response 155

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	78.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34971.D
Acq On : 16 Feb 2025 6:59 pm
Operator : benk
Sample : je5461-4dup Inst : GCMS6W
Misc : MS89567,v6w1450,592,,,,1.48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 17 10:23:43 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



TIC: 6w34971.D\data.ms

(11) 1,2-Dichloroethane (T)

3.765min (-0.000) 0.02ppb(v)

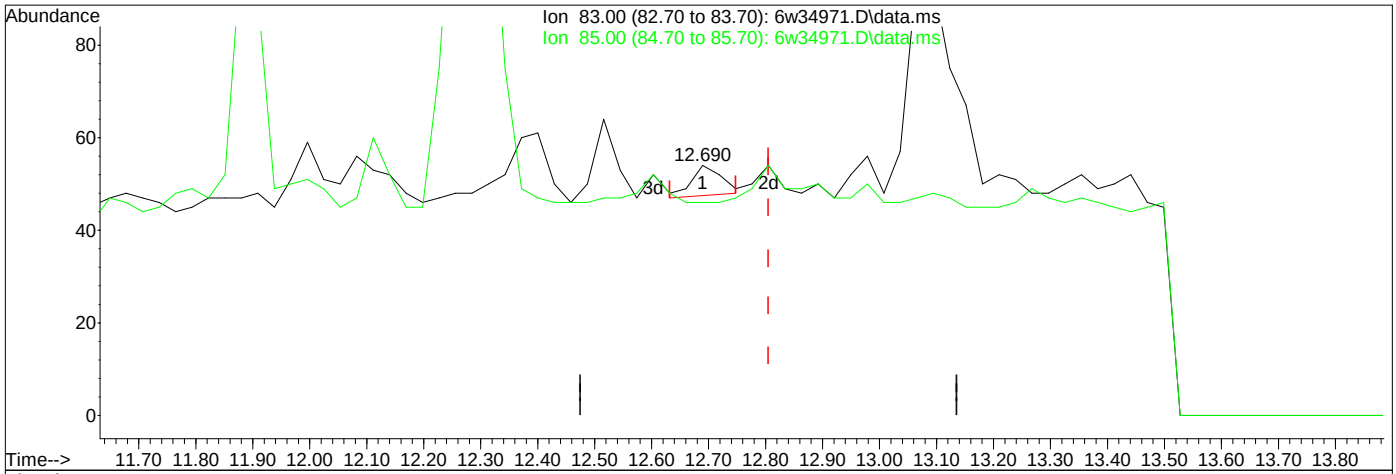
response 126

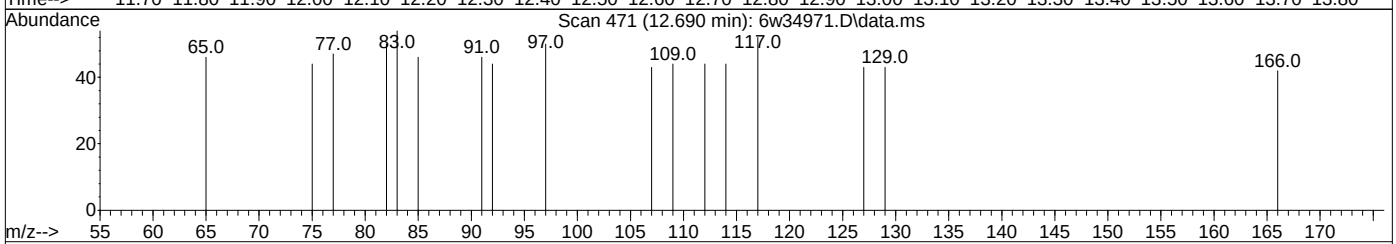
Ion	Exp%	Act%
62.00	100	100
64.00	34.90	61.17#
0.00	0.00	0.00
0.00	0.00	0.00

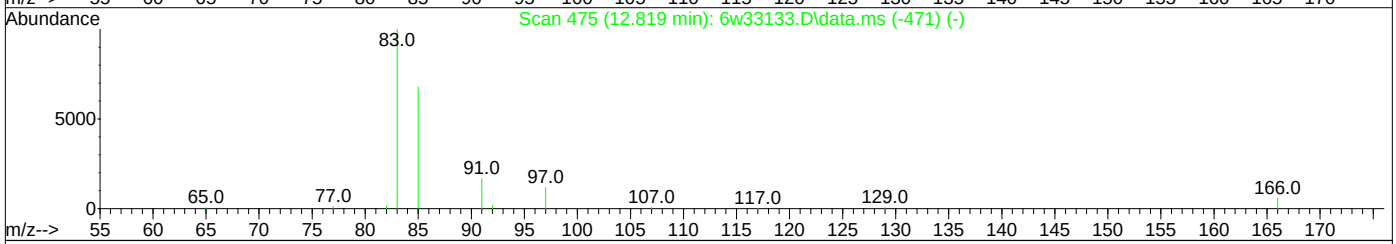
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34971.D
Acq On : 16 Feb 2025 6:59 pm
Operator : benk
Sample : je5461-4dup Inst : GCMS6W
Misc : MS89567,v6w1450,592,,,,1.48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 17 10:23:43 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34971.D\data.ms

(27) 1,1,2,2-Tetrachloroethane (T)

12.690min (-0.115) 0.00ppb(v)

response 24

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	85.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-17-2025\V7W423\
Data File : 7w11832.D
Acq On : 16 Jan 2025 9:31 pm
Operator : williamc
Sample : scc(a458),cp12973 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 17 08:55:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

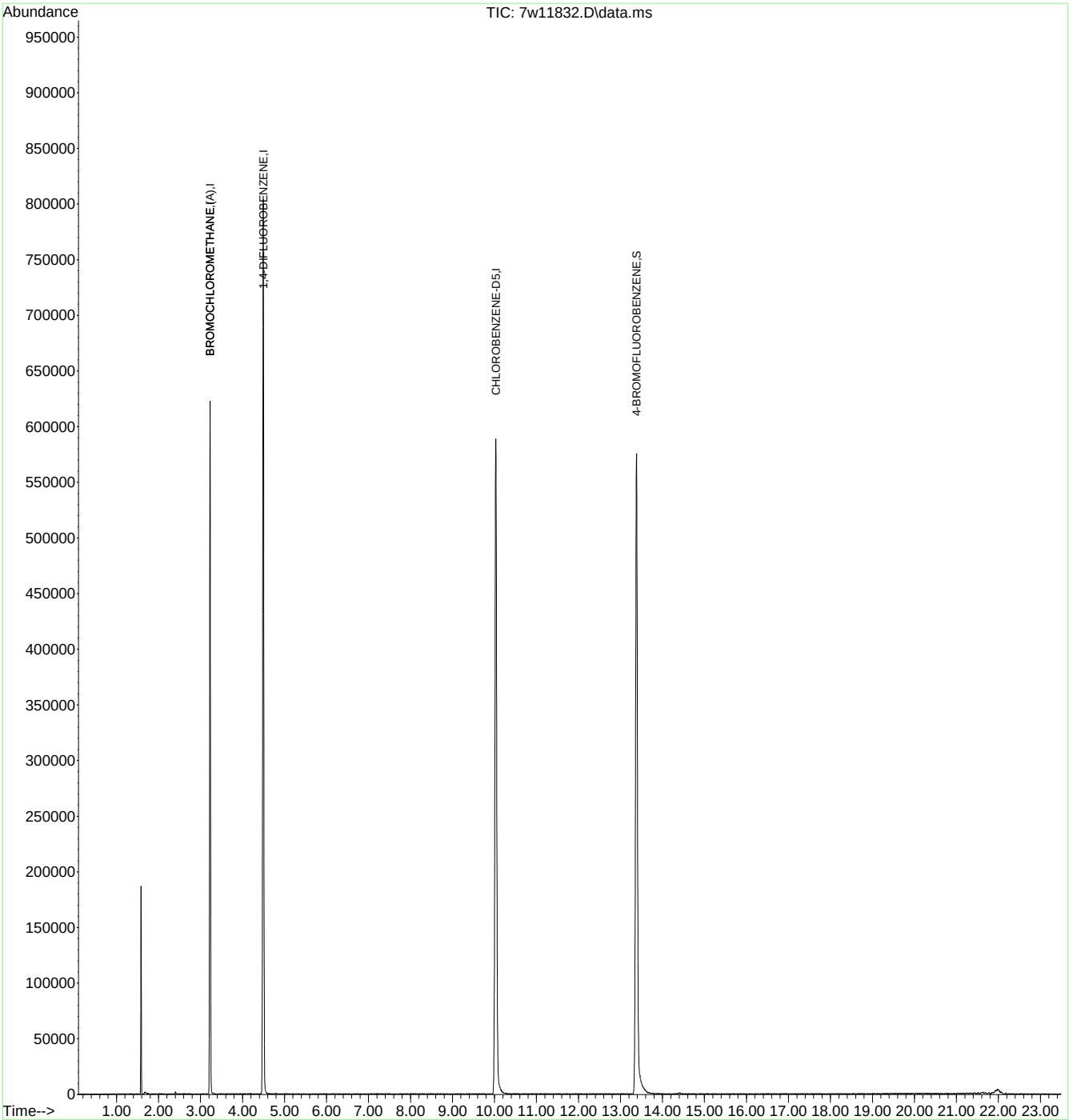
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	117193	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	597422	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	548036	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	117193	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	386203	9.71	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-17-2025\V7W423\
Data File : 7w11832.D
Acq On : 16 Jan 2025 9:31 pm
Operator : williamc
Sample : scc(a458),cp12973 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 17 08:55:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-21-2025\V7W426\
Data File : 7w11949.D
Acq On : 20 Jan 2025 12:08 pm
Operator : benk
Sample : scc(m167),cp12963 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 21 02:58:11 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

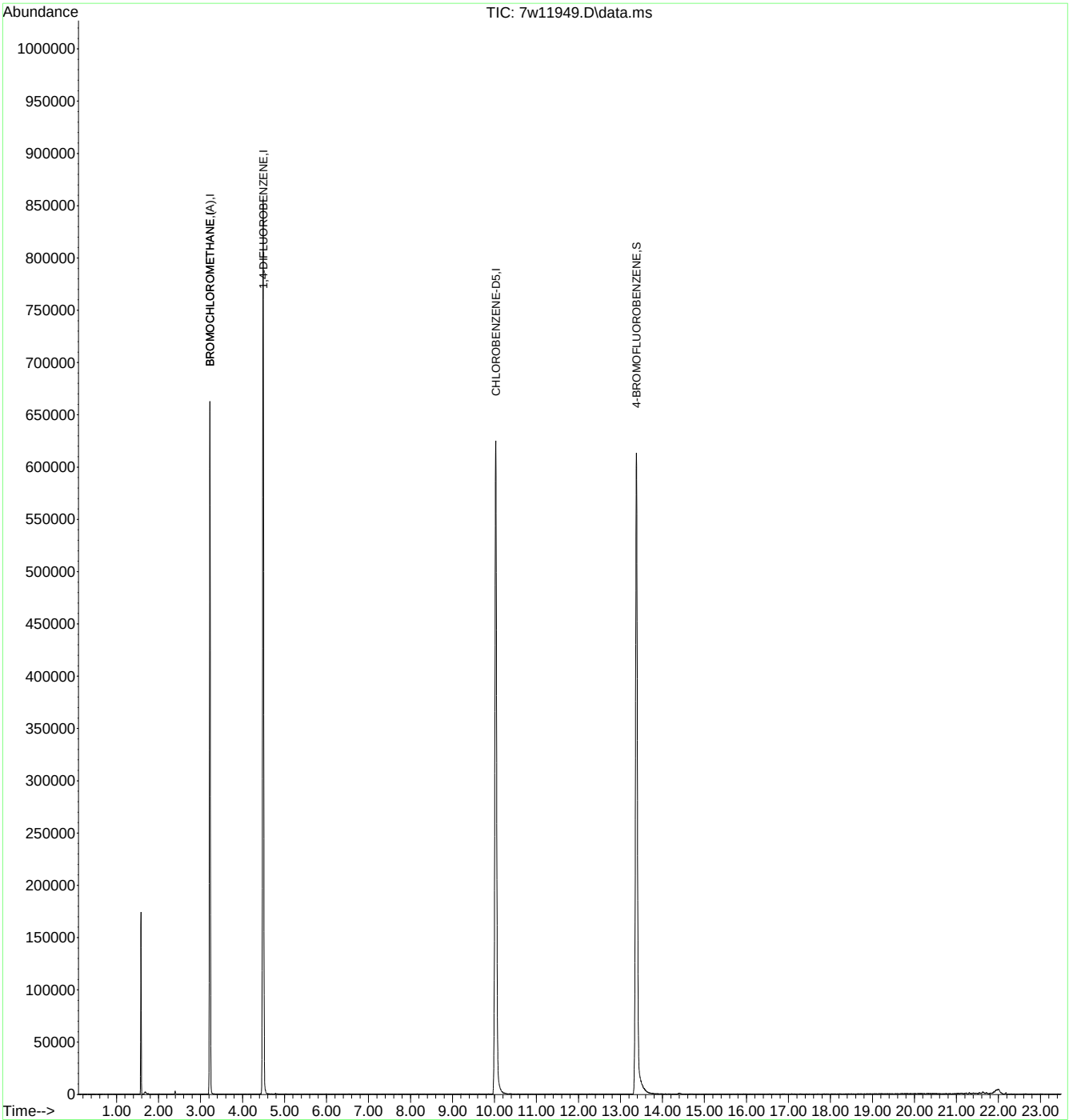
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	123659	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	627611	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	572163	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	123659	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	401393	9.67	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-21-2025\V7W426\
Data File : 7w11949.D
Acq On : 20 Jan 2025 12:08 pm
Operator : benk
Sample : scc(m167),cp12963 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 21 02:58:11 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11992.D
Acq On : 22 Jan 2025 3:18 am
Operator : williamc
Sample : scc(a2157),cp12980 Inst : MS7W
Misc : MS88885,v7w427,,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 22 14:18:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

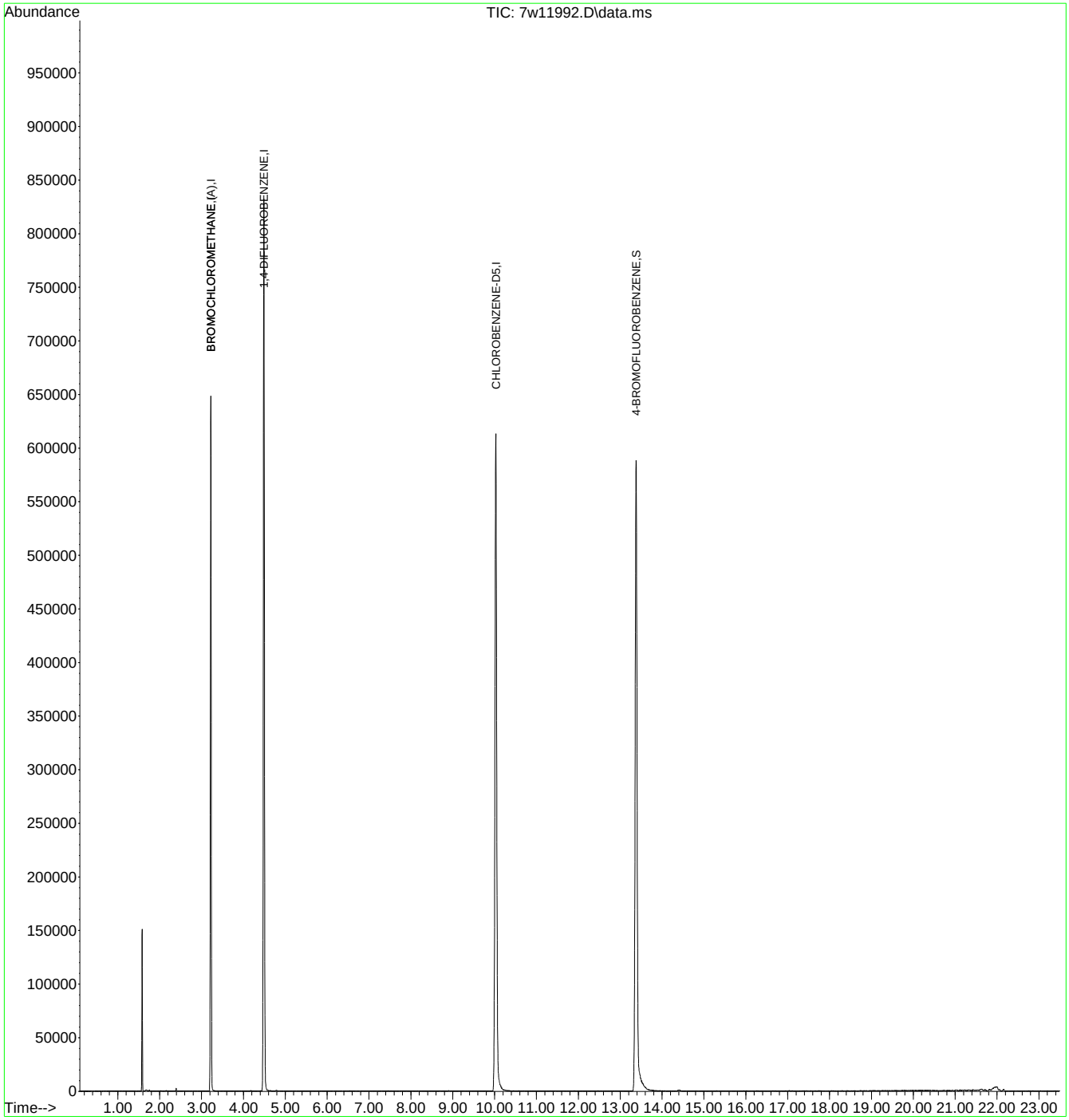
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.222	128	120622	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.489	114	605796	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	552573	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.222	128	120622	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	392737	9.80	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11992.D
Acq On : 22 Jan 2025 3:18 am
Operator : williamc
Sample : scc(a2157),cp12980 Inst : MS7W
Misc : MS88885,v7w427,,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 22 14:18:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56382.D
Acq On : 24 Jan 2025 7:18 pm
Operator : williamc
Sample : scc(a243),cp12974 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 05:35:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

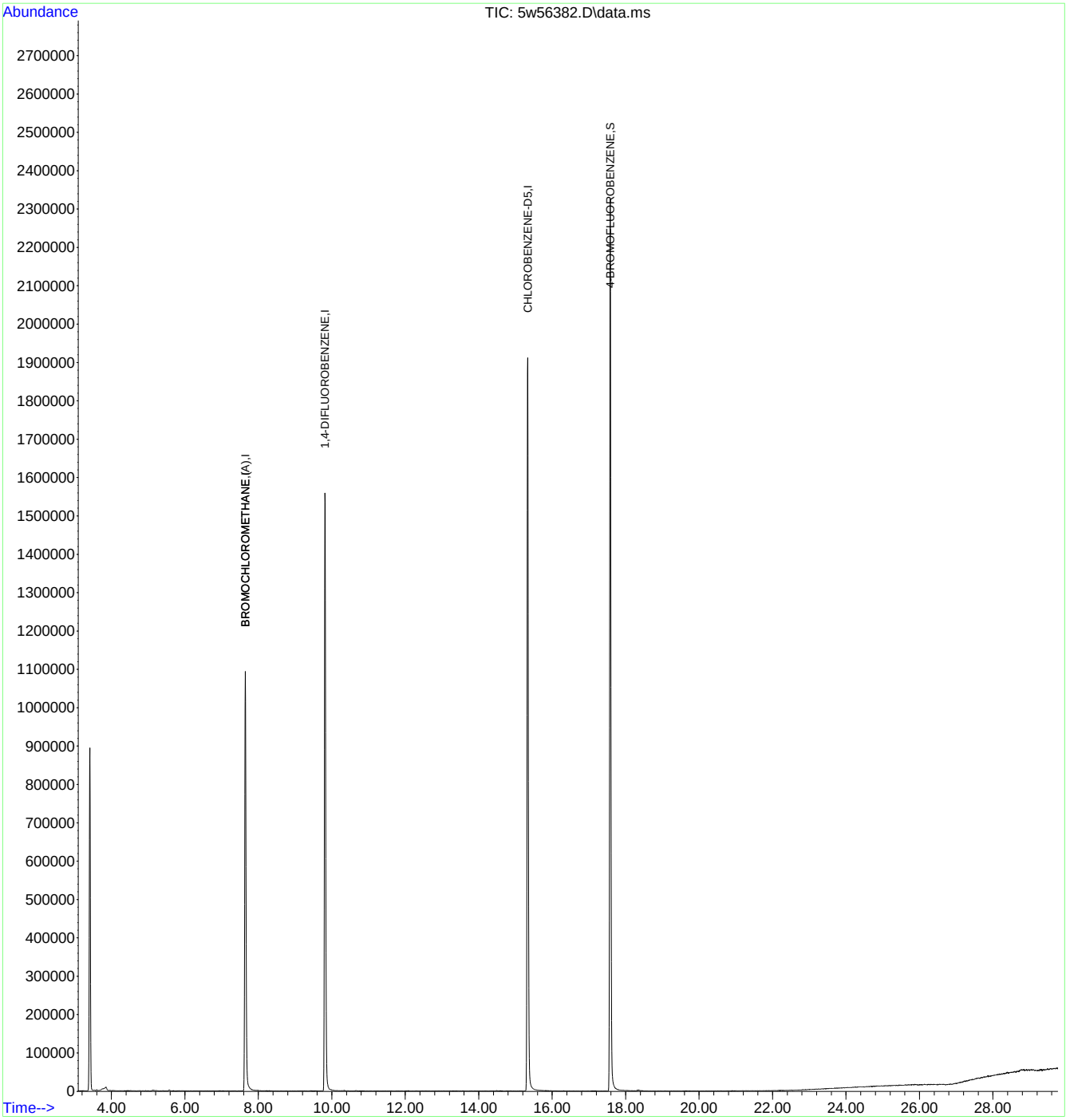
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.644	128	369023	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.810	114	1652460	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.334	82	694505	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.644	128	369023	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	951652	11.63	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 116.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56382.D
Acq On : 24 Jan 2025 7:18 pm
Operator : williamc
Sample : scc(a243),cp12974 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 05:35:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56385.D
Acq On : 24 Jan 2025 9:36 pm
Operator : williamc
Sample : scc(a1627),cp12981 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 27 05:37:03 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

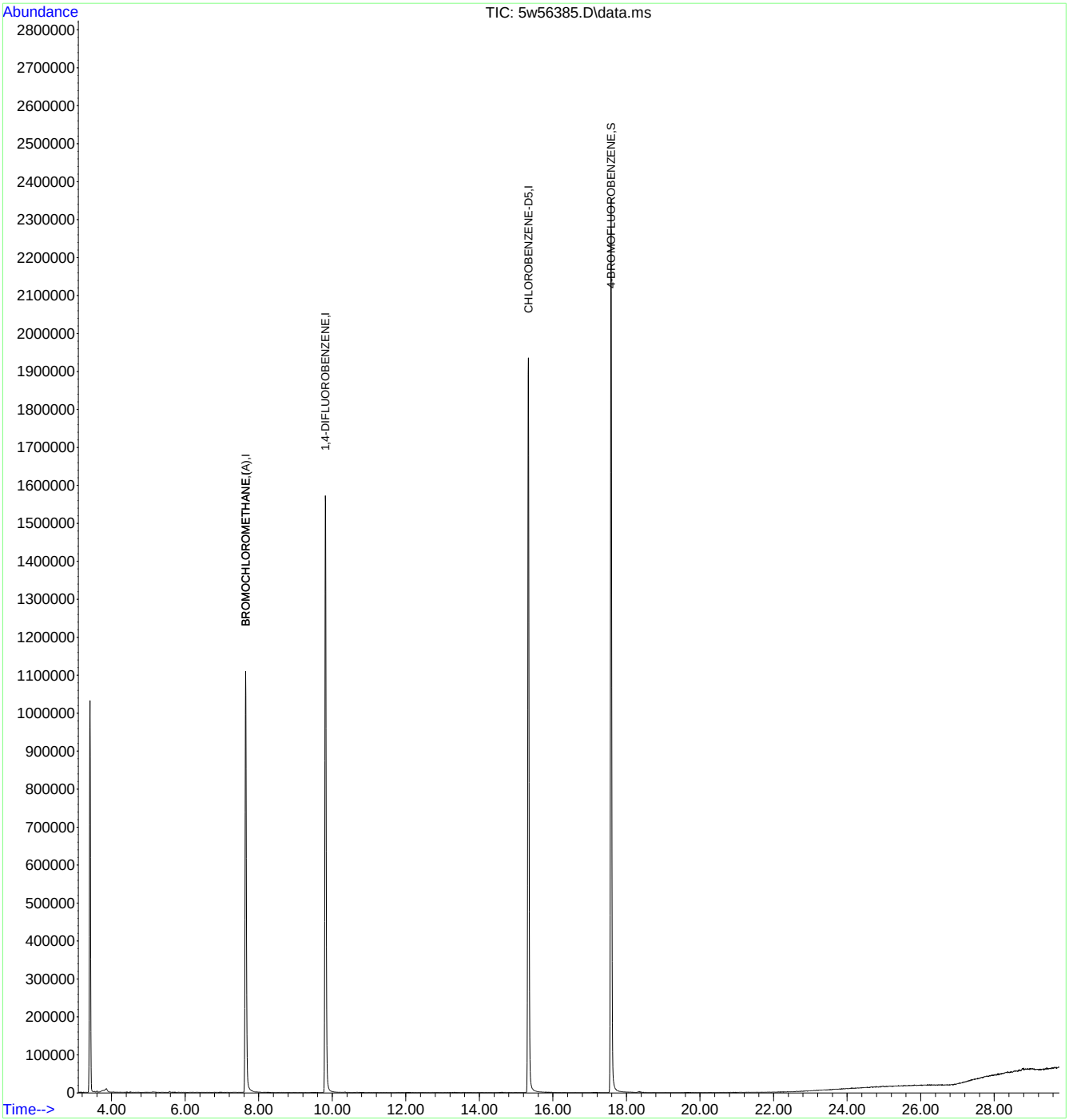
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.645	128	377929	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.810	114	1672644	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.335	82	704611	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.645	128	377929	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	973462	11.73	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 117.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56385.D
Acq On : 24 Jan 2025 9:36 pm
Operator : williamc
Sample : scc(a1627),cp12981 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 27 05:37:03 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34756.D
Acq On : 30 Jan 2025 11:16 pm
Operator : benk
Sample : scc(m237),cp12980
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 13:39:49 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration

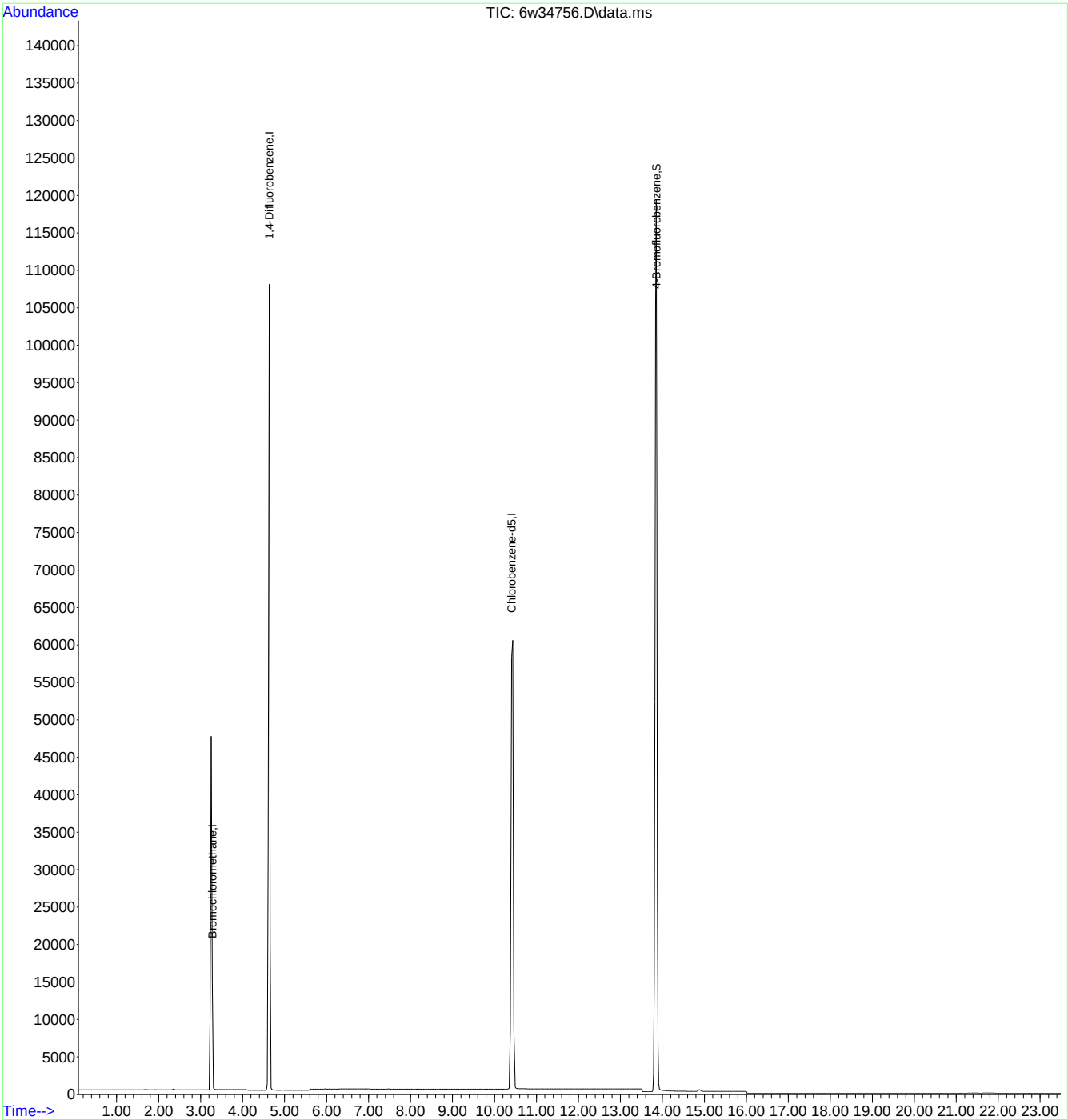
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	31258	10.00	ppb(v	# 0.00
14) 1,4-Difluorobenzene	4.633	114	169063	10.00	ppb(v	# 0.00
25) Chlorobenzene-d5	10.406	82	74129	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	101645	9.31	ppb(v	0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 93.10%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34756.D
Acq On : 30 Jan 2025 11:16 pm
Operator : benk
Sample : scc(m237),cp12980
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 13:39:49 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34758.D
Acq On : 31 Jan 2025 12:41 am
Operator : benk
Sample : scc(a1735),cp12978
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 13:43:53 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	31196	10.00	ppb(v	# 0.00
14) 1,4-Difluorobenzene	4.633	114	169286	10.00	ppb(v	# 0.00
25) Chlorobenzene-d5	10.406	82	74074	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	102463	9.39	ppb(v	0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 93.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

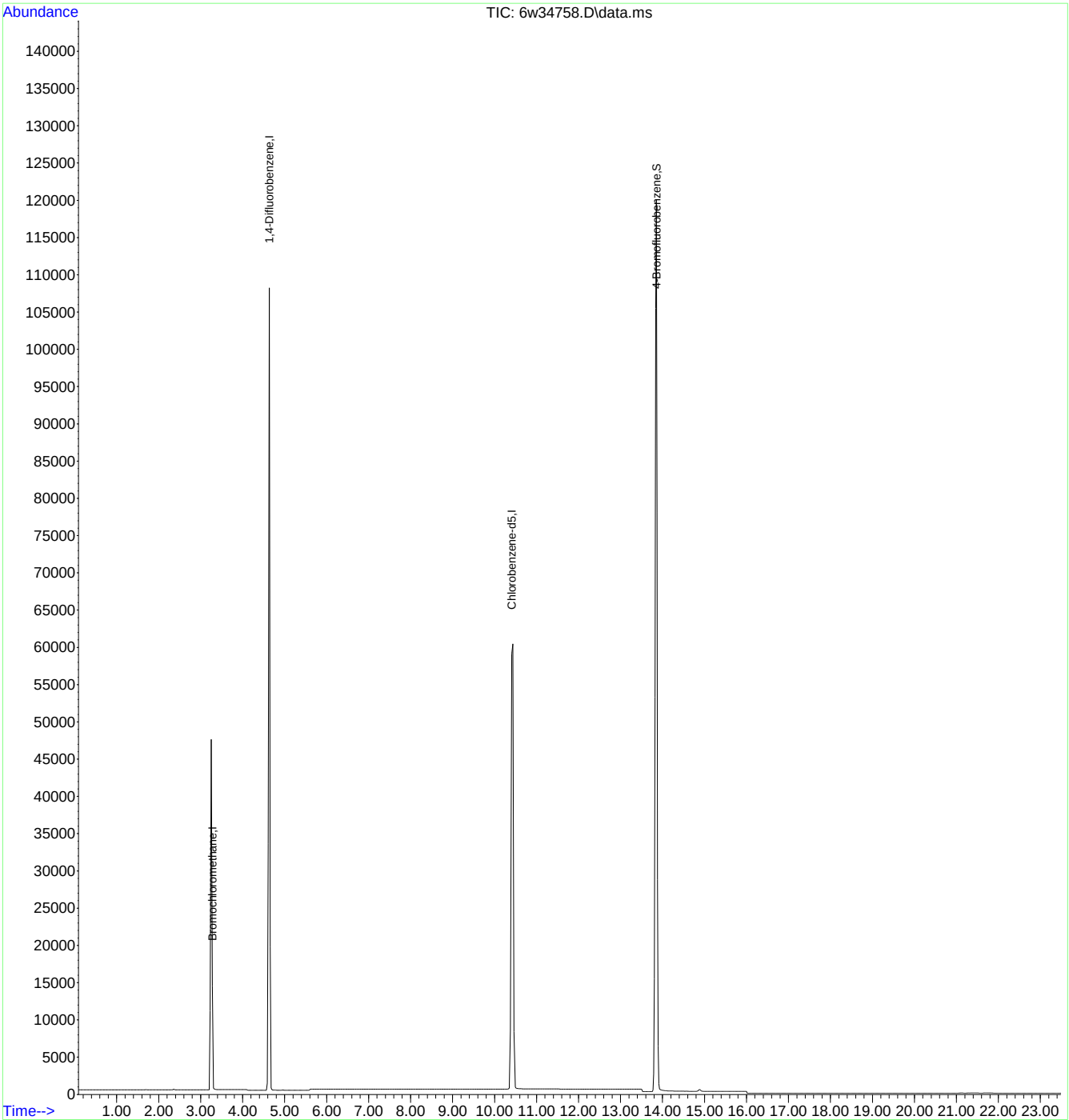
7.5.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34758.D
Acq On : 31 Jan 2025 12:41 am
Operator : benk
Sample : scc(a1735),cp12978
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 7 Sample Multiplier: 1

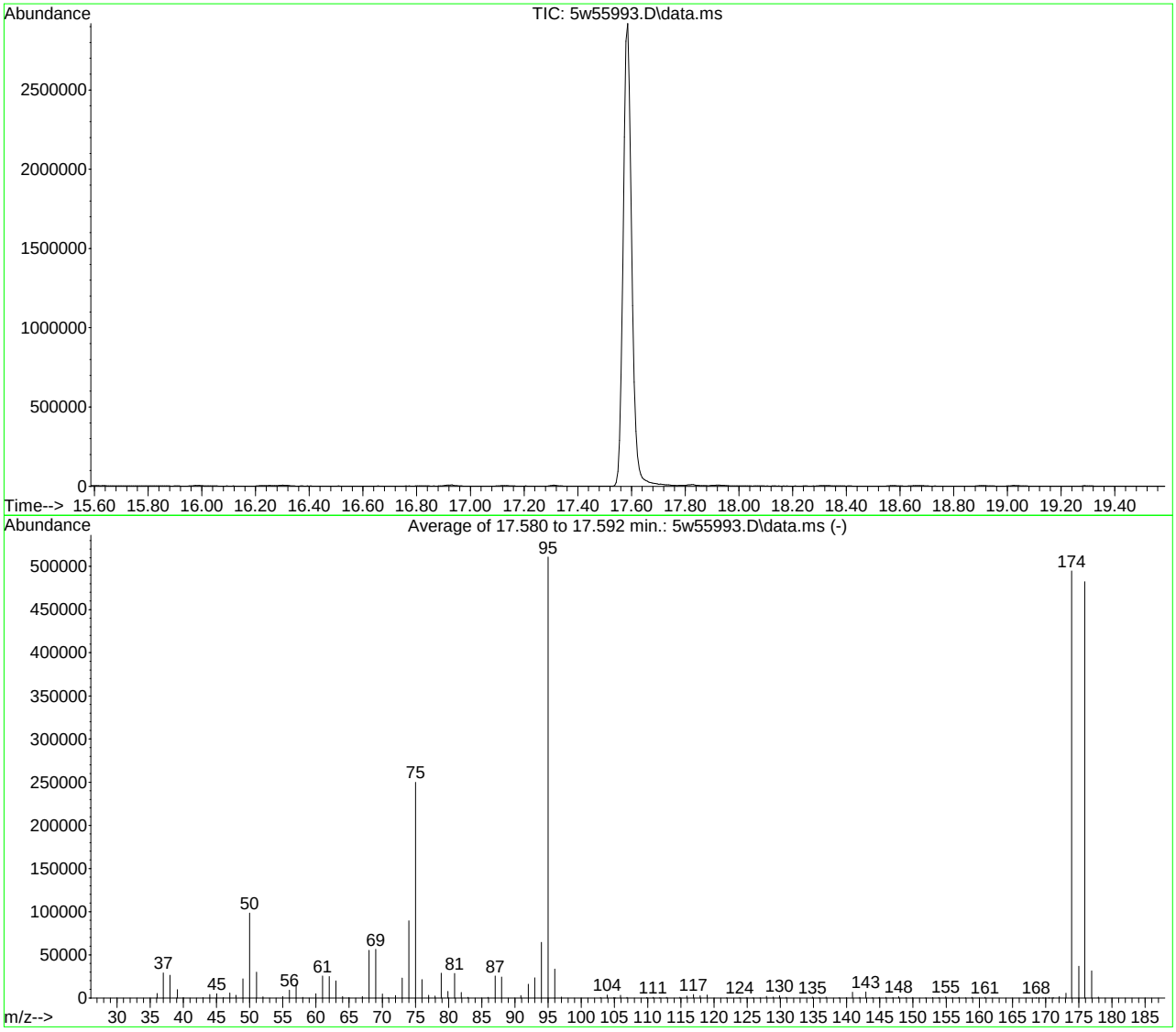
Quant Time: Jan 31 13:43:53 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\5w55993.D Vial: 2
Acq On : 8 Jan 2025 11:56 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88386,V5W2144,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.3	98517	PASS
75	95	30	66	48.9	249792	PASS
95	95	100	100	100.0	510763	PASS
96	95	5	9	6.6	33464	PASS
173	174	0.00	2	1.1	5620	PASS
174	95	50	120	96.9	494933	PASS
175	174	4	9	7.4	36869	PASS
176	174	93	101	97.4	482155	PASS
177	176	5	9	6.5	31496	PASS

5w55993.D M5w2125.M Thu Jan 09 17:15:00 2025

Average of 17.580 to 17.592 min.: 5w55993.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	5216	49.00	22128	63.00	19896	75.00	249792
37.00	29176	50.00	98517	64.00	1807	76.00	21245
38.00	26496	51.05	30000	65.00	558	77.00	3117
39.10	9646	52.00	1393	67.00	1520	77.95	2290
40.00	412	55.00	1621	68.00	55309	78.90	28645
43.00	343	56.00	9136	69.00	56520	79.90	7564
44.00	4044	57.00	15952	70.00	4652	80.90	28453
45.05	5070	58.00	723	70.90	69	81.90	6328
46.05	414	60.00	4815	72.00	2801	82.90	707
47.00	5712	61.00	25477	73.00	23098	85.95	630
47.95	3052	62.00	24984	74.00	89389	87.00	25539

Average of 17.580 to 17.592 min.: 5w55993.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	24331	105.10	181	118.95	3367	135.90	169
90.90	2766	105.90	3174	121.90	84	136.90	1122
92.00	15808	106.90	632	123.90	396	138.85	202
93.00	23531	109.85	573	124.90	231	139.95	478
94.00	64435	110.85	747	125.85	304	140.90	6607
95.00	510763	111.85	561	126.95	154	141.95	843
96.00	33464	112.85	774	127.90	2009	142.90	6930
97.00	985	114.85	680	128.90	1052	143.90	367
102.90	327	115.90	2171	129.90	2432	144.90	668
103.90	3310	116.90	3987	130.90	703	145.90	886
104.90	600	117.90	2415	134.85	1199	146.95	414

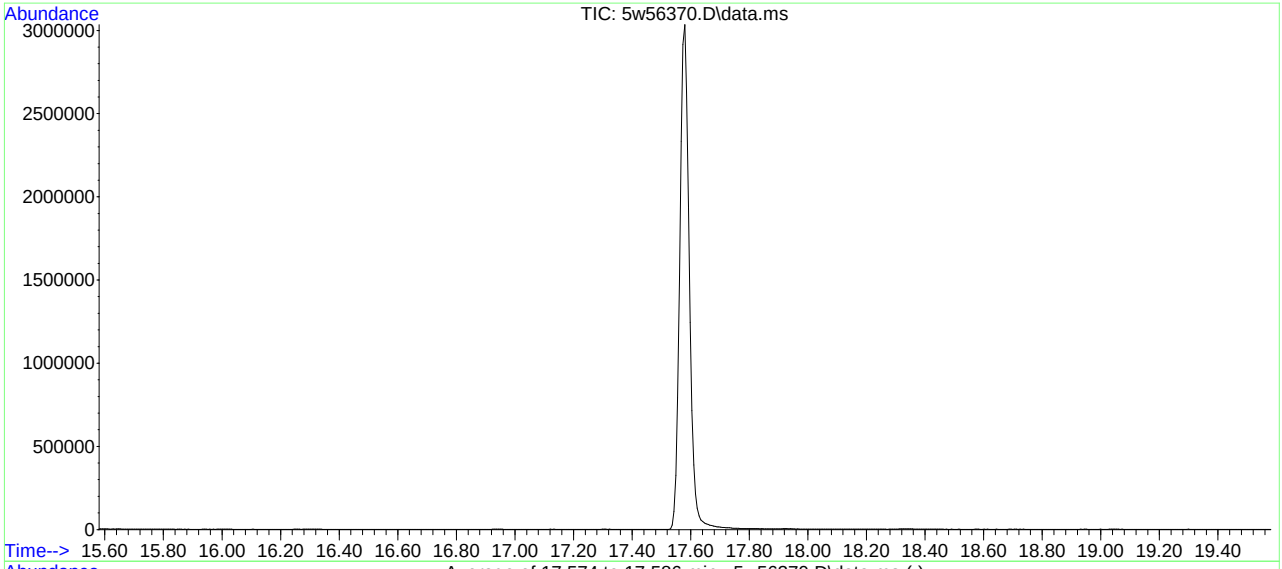
Average of 17.580 to 17.592 min.: 5w55993.D\data.ms
bfb
Modified:subtracted

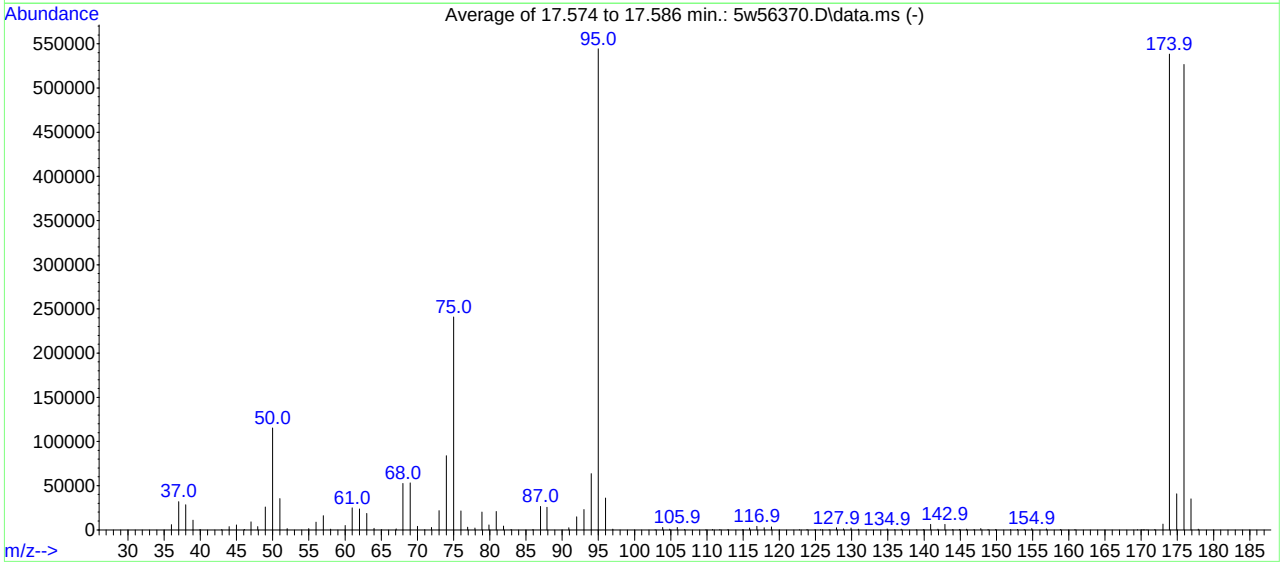
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	1586	160.85	668	175.00	36869		
148.95	378	168.55	187	175.90	482155		
149.95	562	169.05	159	176.95	31496		
151.90	256	169.60	187	177.95	988		
152.95	400	170.00	126				
153.90	396	170.55	346				
154.95	1406	171.00	246				
155.95	297	171.20	209				
156.90	822	172.05	1749				
157.90	67	173.05	5620				
158.90	790	173.90	494933				

BFB

Data File : X:\Dayton VOA GCMS\l...025\v5w2159\5w56370.D Vial: 1
Acq On : 24 Jan 2025 8:54 am Operator: williamc
Sample : bfb Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 2368, 2369, 2370; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.2	115232	PASS
75	95	30	66	44.3	240939	PASS
95	95	100	100	100.0	544256	PASS
96	95	5	9	6.6	35917	PASS
173	174	0.00	2	1.2	6519	PASS
174	95	50	120	98.9	538304	PASS
175	174	4	9	7.6	40824	PASS
176	174	93	101	97.9	526741	PASS
177	176	5	9	6.7	35160	PASS

5w56370.D M5w2144.M Mon Jan 27 04:14:23 2025

Average of 17.574 to 17.586 min.: 5w56370.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	5977	49.00	25957	63.00	18475	75.00	240939
37.00	31949	50.00	115232	64.00	1604	76.00	21413
38.00	28291	51.00	35373	65.05	217	76.95	3013
39.00	10843	52.00	1456	67.05	1221	77.95	2194
39.95	464	55.00	1538	68.00	52461	78.90	20312
42.95	260	56.00	8730	69.00	53037	79.90	5550
44.00	3577	57.00	16165	70.00	3998	80.90	20821
45.00	5611	58.00	702	71.00	155	81.90	4427
46.10	396	60.00	4968	71.95	2650	82.95	449
47.00	9076	61.00	24875	73.00	21789	85.95	638
47.95	3549	62.00	23795	74.00	84029	87.00	26448

Average of 17.574 to 17.586 min.: 5w56370.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.90	25491	105.90	2810	122.80	78	135.95	144
90.90	2265	106.90	599	123.85	406	136.85	957
92.00	14636	109.85	342	124.90	152	138.95	205
93.00	22981	110.80	594	125.70	70	139.90	445
94.00	63557	111.80	383	125.95	161	140.90	6076
95.00	544256	112.90	602	126.90	68	141.90	800
96.00	35917	114.95	543	127.90	2401	142.90	6108
97.00	974	115.90	2119	128.85	1037	143.95	395
102.85	343	116.90	3904	129.90	2149	144.90	581
103.90	2628	117.90	2328	130.90	845	145.85	902
104.85	858	118.90	3244	134.90	1064	146.90	452

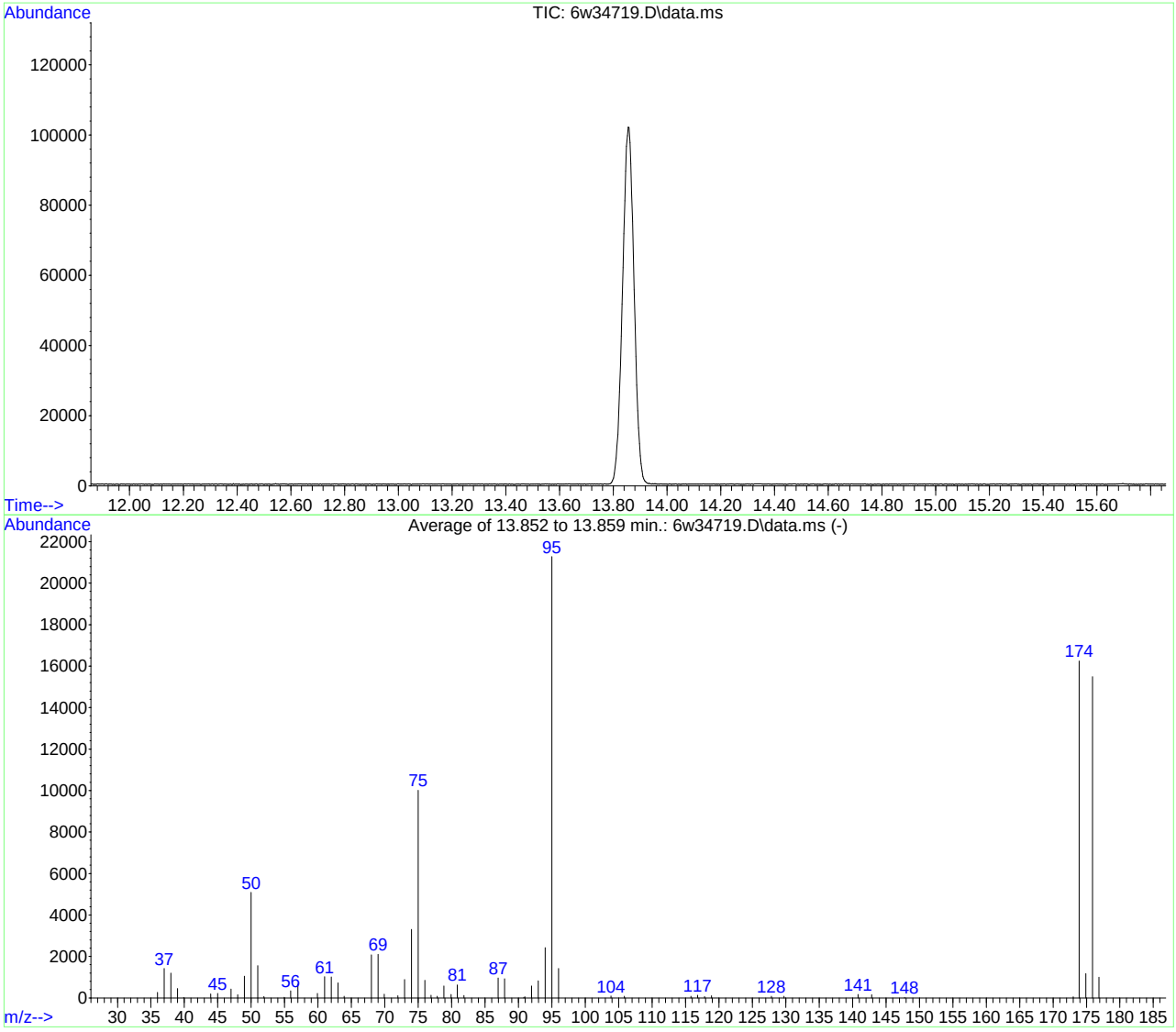
Average of 17.574 to 17.586 min.: 5w56370.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	1507	170.10	89				
148.85	460	170.30	93				
149.90	482	170.50	167				
151.95	294	170.80	182				
152.90	431	171.90	428				
153.85	369	173.00	6519				
154.90	1490	173.90	538304				
156.90	1083	174.90	40824				
158.85	628	175.90	526741				
160.85	609	176.90	35160				
169.50	72	177.90	871				

BFB

Data File : C:\msdchem\1\data\6w\6w34719.D Vial: 3
Acq On : 29 Jan 2025 7:24 pm Operator: benk
Sample : bfb Inst : GCMS6W
Misc : MS80372,v6w1441,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6Wbfb.M (RTE Integrator)
Title : TO-15 SIM Mode



AutoFind: Scans 4281, 4282, 4283; Background Corrected with Scan 4257

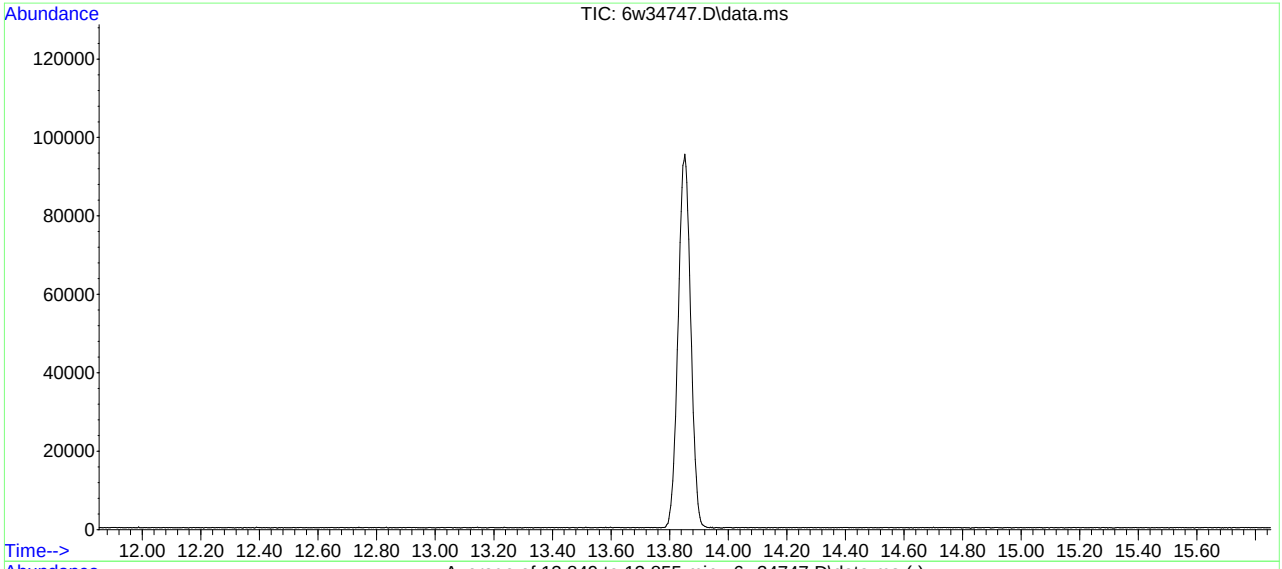
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.9	5095	PASS
75	95	30	66	47.0	10009	PASS
95	95	100	100	100.0	21275	PASS
96	95	5	9	6.6	1414	PASS
173	174	0.00	2	0.4	61	PASS
174	95	50	120	76.4	16246	PASS
175	174	4	9	7.2	1170	PASS
176	174	93	101	95.3	15489	PASS
177	176	5	9	6.4	993	PASS

6w34719.D M6Wbfb.M Thu Jan 30 17:50:04 2025

BFB

Data File : C:\msdchem\1\data\6w\6w34747.D Vial: 2
Acq On : 30 Jan 2025 4:13 pm Operator: benk
Sample : bfb Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6Wbfb.M (RTE Integrator)
Title : TO-15 SIM Mode



AutoFind: Scans 4280, 4281, 4282; Background Corrected with Scan 4256

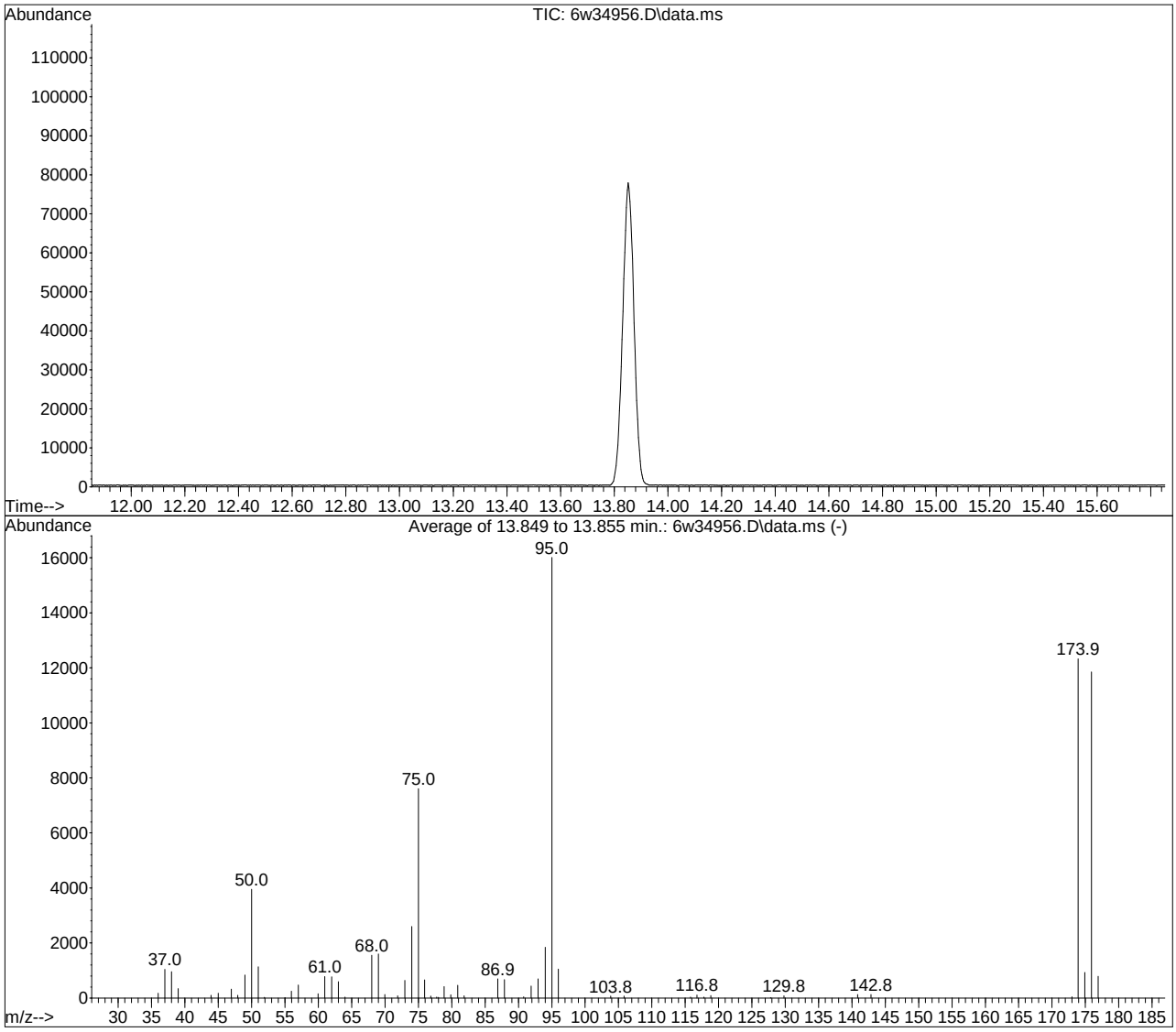
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.9	4726	PASS
75	95	30	66	46.2	9122	PASS
95	95	100	100	100.0	19736	PASS
96	95	5	9	6.3	1245	PASS
173	174	0.00	2	0.3	50	PASS
174	95	50	120	77.7	15339	PASS
175	174	4	9	7.2	1108	PASS
176	174	93	101	95.8	14701	PASS
177	176	5	9	6.3	932	PASS

6w34747.D M6Wbfb.M Fri Jan 31 13:10:08 2025

BFB

Data File : X:\Dayton VOA GCMS\g...025\V6W1450\6w34956.D Vial: 2
Acq On : 16 Feb 2025 8:21 am Operator: benk
Sample : bfb Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode



AutoFind: Scans 4280, 4281, 4282; Background Corrected with Scan 4257

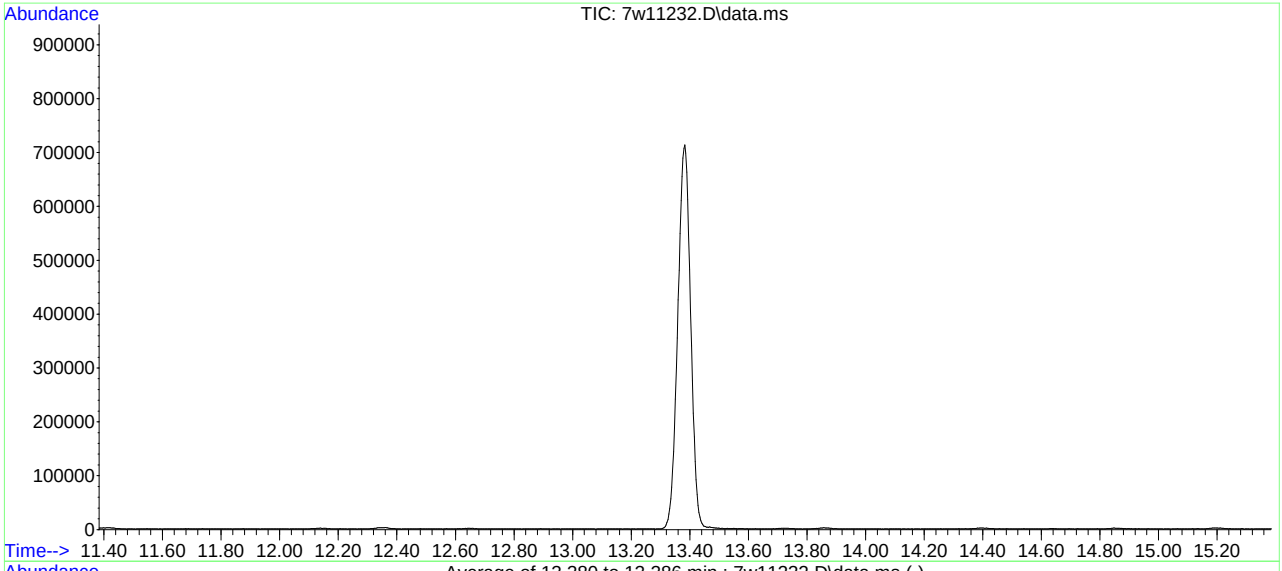
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.7	3954	PASS
75	95	30	66	47.5	7610	PASS
95	95	100	100	100.0	16010	PASS
96	95	5	9	6.5	1048	PASS
173	174	0.00	2	0.3	42	PASS
174	95	50	120	77.0	12327	PASS
175	174	4	9	7.5	924	PASS
176	174	93	101	96.2	11854	PASS
177	176	5	9	6.6	788	PASS

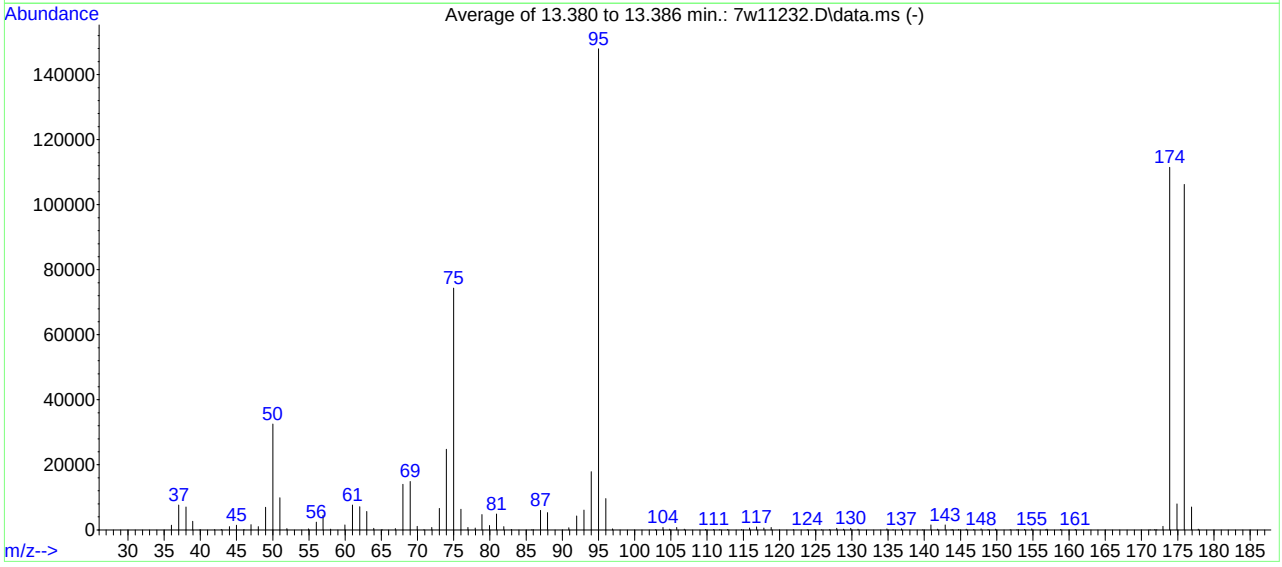
6w34956.D M6W1441.M Mon Feb 17 10:25:44 2025

BFB

Data File : C:\msdchem\1\data\7w\7w11232.D Vial: 2
Acq On : 28 Dec 2024 8:40 am Operator: benk
Sample : bfb Inst : MS7W
Misc : MS74014,v7w405,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	32515	PASS
75	95	30	66	50.3	74333	PASS
95	95	100	100	100.0	147925	PASS
96	95	5	9	6.5	9647	PASS
173	174	0.00	2	1.0	1064	PASS
174	95	50	120	75.4	111515	PASS
175	174	4	9	7.1	7970	PASS
176	174	93	101	95.3	106229	PASS
177	176	5	9	6.6	7045	PASS

7w11232.D M7Wbfb.M Sun Dec 29 09:54:16 2024

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1402	48.00	1003	62.00	7132	74.00	24797
37.00	7618	49.00	6981	63.00	5659	75.00	74333
38.00	7021	50.00	32515	63.95	501	76.00	6343
38.95	2652	51.00	9850	65.10	21	76.95	767
39.95	34	51.95	394	66.95	355	77.95	553
41.95	51	54.95	341	68.00	14030	78.90	4693
42.90	121	56.00	2407	69.00	14907	79.95	1349
44.00	960	56.95	4434	69.95	1121	80.90	4870
45.00	1405	58.00	213	70.90	64	81.90	1038
46.05	107	59.95	1473	71.95	697	82.95	148
47.00	1628	61.00	7603	73.00	6600	85.80	39

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	47	103.90	740	117.85	530	134.85	277
87.00	5962	104.85	212	118.85	720	135.70	37
87.95	5322	105.80	715	121.90	17	136.85	295
90.90	618	106.85	200	123.85	67	139.80	94
92.00	4261	109.80	117	124.80	67	140.90	1504
93.00	6046	110.90	151	125.80	39	141.85	239
94.00	17907	111.75	118	126.90	18	142.90	1536
95.00	147925	112.85	148	127.90	473	143.70	19
96.00	9647	114.80	171	128.85	243	143.90	76
96.95	279	115.85	570	129.85	477	144.75	129
102.85	95	116.85	884	130.85	240	145.80	187

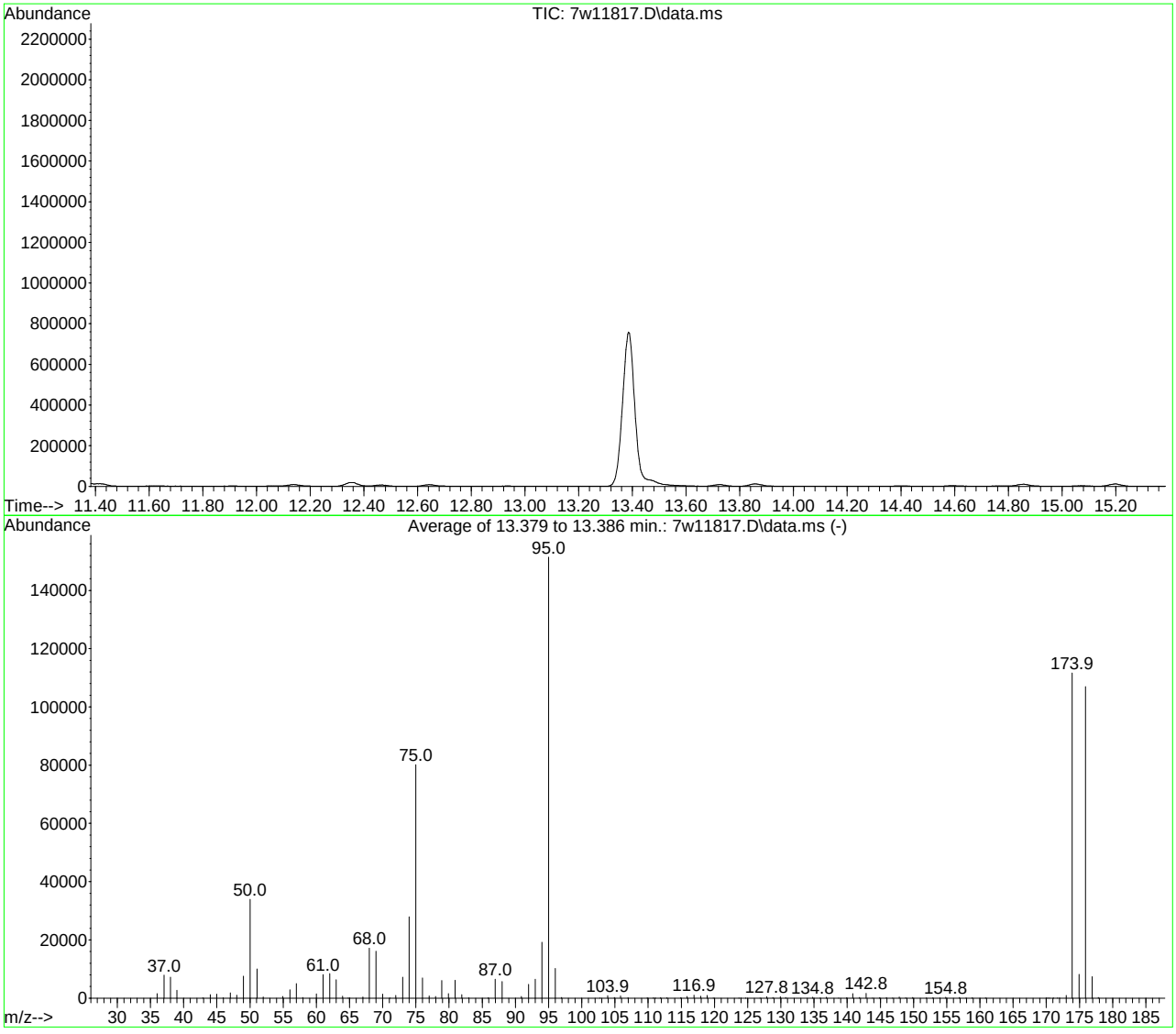
Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.85	96	158.85	148				
147.85	305	160.85	155				
148.80	105	171.20	18				
149.85	199	171.85	97				
151.85	46	172.10	38				
152.80	64	172.95	1064				
153.00	25	173.90	111515				
153.85	111	174.90	7970				
154.85	351	175.90	106229				
156.80	83	176.90	7045				
156.95	193	177.85	185				

BFB

Data File : X:\Dayton VOA GCMS\r...7-25\v7w423\7w11817.D Vial: 1
Acq On : 16 Jan 2025 10:57 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS88809,v7w423,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.4	33917	PASS
75	95	30	66	53.0	80197	PASS
95	95	100	100	100.0	151424	PASS
96	95	5	9	6.7	10159	PASS
173	174	0.00	2	0.8	931	PASS
174	95	50	120	73.7	111621	PASS
175	174	4	9	7.3	8175	PASS
176	174	93	101	95.9	107029	PASS
177	176	5	9	6.9	7387	PASS

7w11817.D M7W405.M Thu Jan 16 22:51:40 2025

Average of 13.379 to 13.386 min.: 7w11817.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1523	50.00	33917	63.95	639	75.00	80197
37.05	7884	51.05	10021	64.80	23	76.00	6891
38.00	7180	52.00	401	65.05	55	77.00	745
39.00	2677	54.95	564	67.00	419	77.95	585
42.90	142	56.00	2861	68.00	17200	78.90	6013
44.00	1170	57.00	4984	69.00	16073	79.90	1518
45.00	1383	57.95	193	70.00	1332	80.90	6116
45.95	105	60.00	1416	71.10	90	81.90	1225
47.05	1769	61.00	8053	71.95	930	82.95	146
48.00	1012	62.00	8394	73.00	7211	85.90	168
49.00	7522	63.00	6296	74.00	27955	86.95	6521

Average of 13.379 to 13.386 min.: 7w11817.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	5727	105.85	723	118.90	914	135.90	25
90.90	600	106.95	160	119.80	20	136.85	299
92.00	4703	109.85	102	123.70	37	138.70	17
93.00	6500	110.80	156	124.00	56	139.90	123
94.00	19168	111.10	47	124.70	17	140.85	1544
95.00	151424	111.85	143	126.85	45	141.85	230
96.00	10159	112.80	154	127.85	504	142.85	1676
96.95	271	114.90	127	128.80	228	143.80	17
102.75	75	115.85	560	129.90	500	144.85	96
103.90	826	116.90	1018	130.75	261	145.90	191
104.90	200	117.90	663	134.80	296	146.85	48

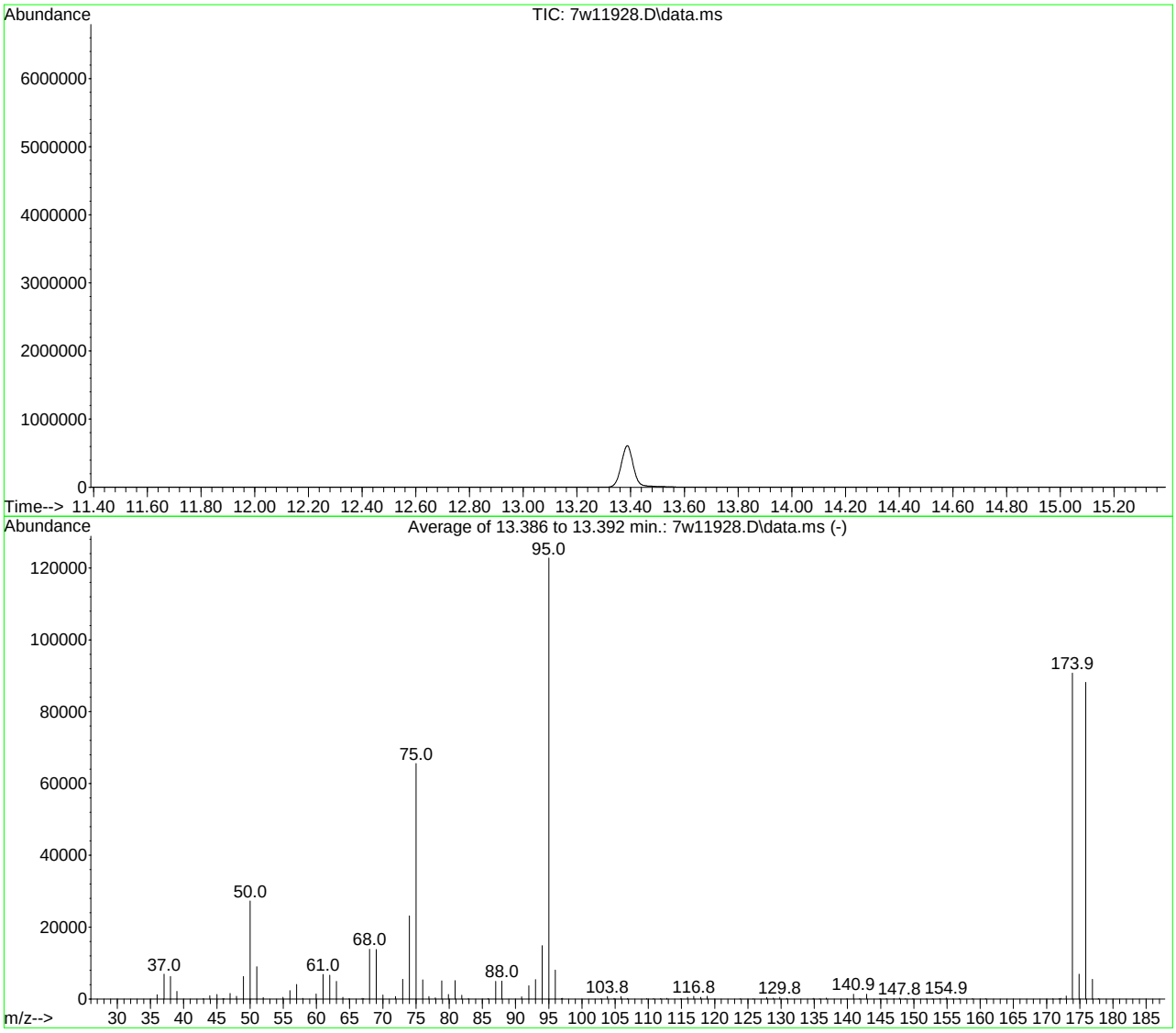
Average of 13.379 to 13.386 min.: 7w11817.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	411	170.00	29	177.85	187		
148.80	103	170.20	17				
149.85	201	170.50	18				
151.90	31	171.10	21				
152.90	100	171.70	86				
153.95	38	172.00	59				
154.85	332	173.00	931				
156.90	263	173.90	111621				
157.90	26	174.95	8175				
158.85	148	175.90	107029				
160.85	143	176.90	7387				

BFB

Data File : X:\Dayton VOA GCMS\r...0-25\V7W426\7w11928.D Vial: 6
Acq On : 19 Jan 2025 10:14 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS88797,v7w426,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4136, 4137, 4138; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.2	27304	PASS
75	95	30	66	53.4	65576	PASS
95	95	100	100	100.0	122776	PASS
96	95	5	9	6.6	8083	PASS
173	174	0.00	2	0.9	831	PASS
174	95	50	120	73.9	90771	PASS
175	174	4	9	7.6	6917	PASS
176	174	93	101	97.1	88184	PASS
177	176	5	9	6.2	5501	PASS

7w11928.D M7W405.M Mon Jan 20 16:10:43 2025

Average of 13.386 to 13.392 min.: 7w11928.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1183	49.00	6255	63.00	4913	75.00	65576
37.05	6881	50.00	27304	64.00	462	76.00	5326
38.00	6255	51.00	8980	64.90	17	76.95	659
39.00	2133	52.00	401	66.90	217	77.90	340
42.95	78	54.95	451	67.10	120	78.90	5082
43.95	909	56.00	2298	68.00	13822	79.90	1282
45.00	1251	57.00	4046	69.00	13772	80.90	5146
45.90	81	57.95	167	70.00	1126	81.90	1025
46.10	58	59.95	1379	71.90	662	82.90	86
47.00	1545	61.00	6839	73.00	5497	85.85	133
47.95	788	62.00	6632	74.00	23123	87.00	4912

Average of 13.386 to 13.392 min.: 7w11928.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	5009	104.85	154	118.85	746	140.90	1358
90.90	585	105.90	676	123.80	59	141.85	124
92.00	3691	106.85	88	125.80	23	142.90	1348
93.00	5433	109.75	121	127.85	418	144.90	113
94.00	14853	110.75	140	128.85	228	145.85	141
95.00	122776	111.85	107	129.80	449	147.00	20
96.00	8083	112.80	170	130.85	182	147.85	265
96.90	98	114.90	127	134.85	202	148.75	94
97.05	150	115.90	474	135.80	21	149.85	141
102.85	72	116.85	765	136.80	222	151.90	71
103.85	695	117.90	486	139.90	72	152.80	69

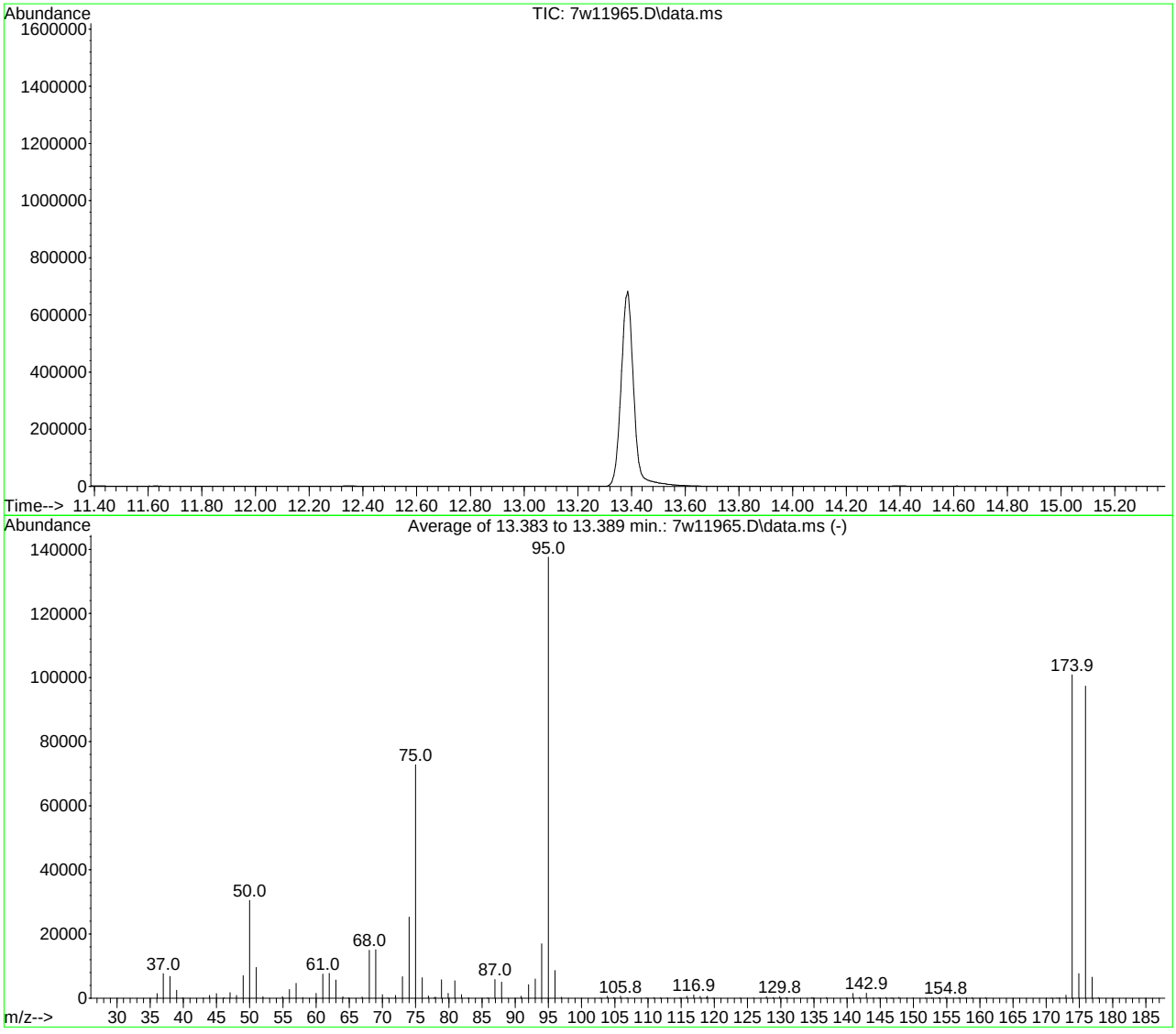
Average of 13.386 to 13.392 min.: 7w11928.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.90	98	174.90	6917				
154.90	344	175.90	88184				
155.90	29	176.90	5501				
156.85	146	177.80	143				
158.85	135						
160.80	141						
170.95	43						
171.90	83						
172.15	185						
172.95	831						
173.90	90771						

BFB

Data File : X:\Dayton VOA GCMS\k...2225\v7w427\7w11965.D Vial: 1
Acq On : 21 Jan 2025 8:52 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS88797,v7w427,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4135, 4136, 4137; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.2	30523	PASS
75	95	30	66	52.9	72821	PASS
95	95	100	100	100.0	137536	PASS
96	95	5	9	6.3	8622	PASS
173	174	0.00	2	0.9	917	PASS
174	95	50	120	73.3	100872	PASS
175	174	4	9	7.6	7651	PASS
176	174	93	101	96.5	97320	PASS
177	176	5	9	6.7	6523	PASS

7w11965.D M7W405.M Wed Jan 22 09:59:58 2025

Average of 13.383 to 13.389 min.: 7w11965.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1370	49.00	6996	63.00	5661	75.00	72821
37.00	7634	50.00	30523	64.05	486	76.00	6343
38.00	6770	51.00	9557	64.90	40	76.90	699
39.00	2440	52.00	416	66.95	382	77.80	143
39.90	162	54.95	434	68.00	14975	77.95	362
43.00	27	56.00	2677	69.00	15091	78.90	5709
43.95	828	57.00	4607	70.00	1095	79.90	1476
45.00	1416	58.00	190	70.80	21	80.90	5420
46.15	136	60.00	1476	71.95	848	81.90	1070
47.05	1750	61.00	7458	73.00	6730	82.95	121
48.00	879	62.00	7701	74.00	25248	85.85	115

Average of 13.383 to 13.389 min.: 7w11965.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.95	5804	104.85	225	118.80	229	134.90	88
87.95	5010	105.85	634	118.95	607	136.85	237
90.90	604	106.85	123	119.80	23	139.90	69
92.00	4253	109.75	138	123.85	65	140.90	1482
93.00	5985	110.85	169	125.90	55	141.85	174
94.00	16987	111.85	132	127.85	421	142.90	1557
95.00	137536	112.90	165	128.85	169	143.90	36
96.00	8622	114.85	180	129.85	543	144.80	114
96.95	273	115.85	601	130.80	124	145.85	215
102.80	26	116.90	983	131.00	61	146.60	32
103.90	612	117.85	537	134.70	174	146.85	63

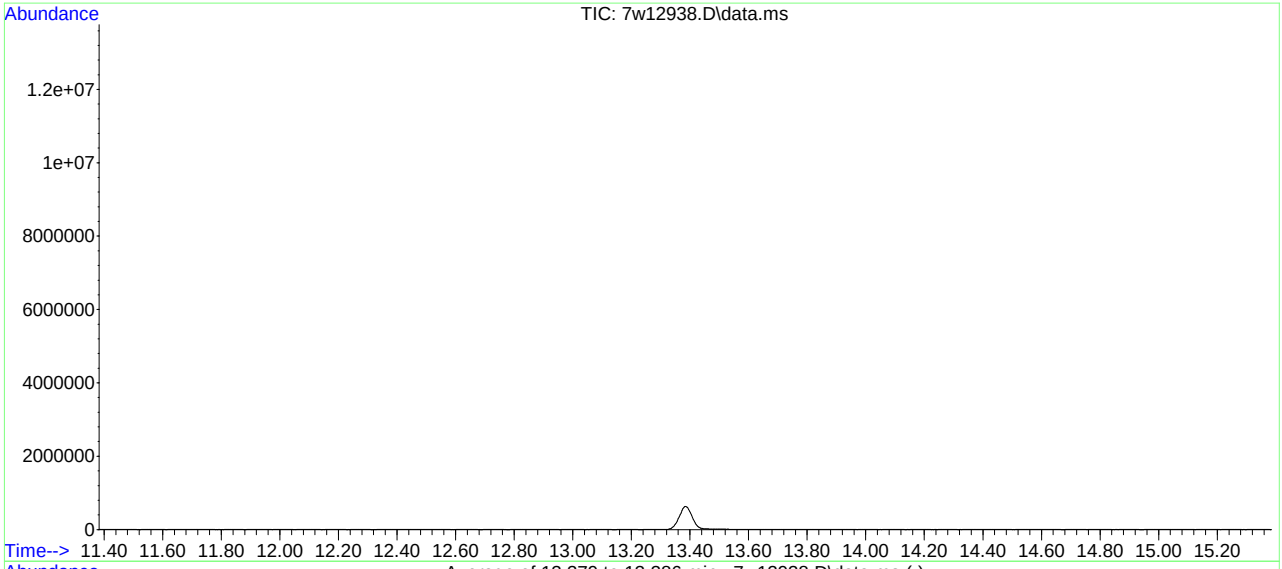
Average of 13.383 to 13.389 min.: 7w11965.D\data.ms
bfb
Modified:subtracted

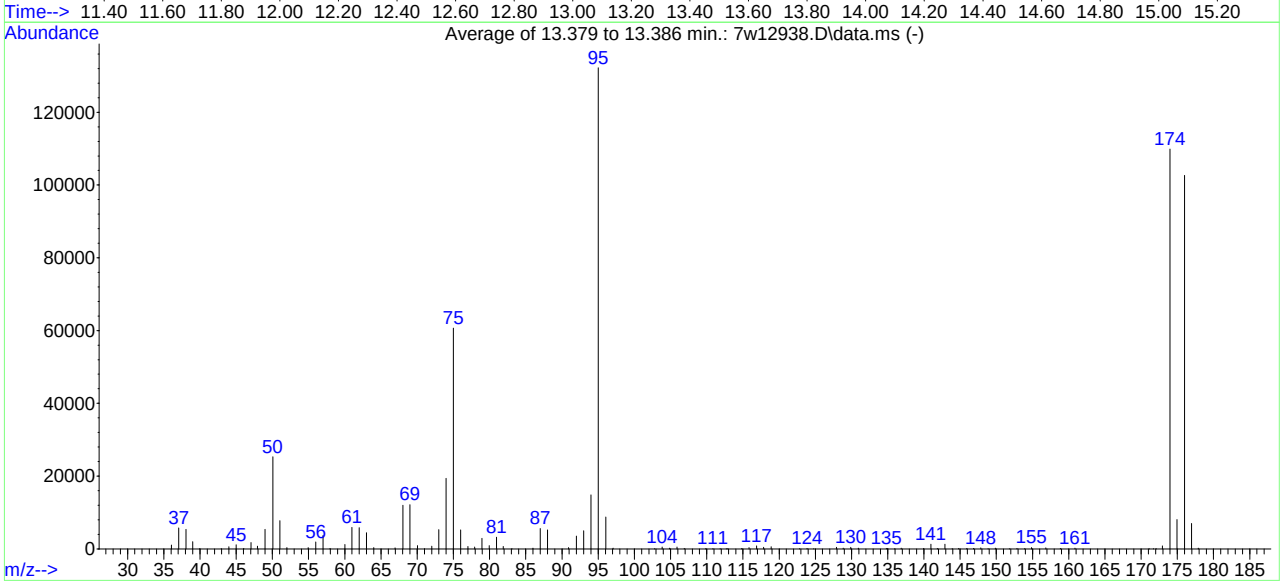
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.80	284	170.75	82				
149.00	18	171.60	45				
149.95	124	171.95	136				
151.80	27	172.95	917				
152.75	88	173.90	100872				
153.85	114	174.90	7651				
154.85	302	175.90	97320				
156.85	154	176.90	6523				
157.90	24	177.85	157				
158.80	158						
160.85	184						

BFB

Data File : C:\msdchem\1\data\7w\7w12938.D Vial: 9
Acq On : 23 Feb 2025 6:18 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS89637,v7w457,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.1	25317	PASS
75	95	30	66	45.9	60696	PASS
95	95	100	100	100.0	132211	PASS
96	95	5	9	6.6	8735	PASS
173	174	0.00	2	0.7	818	PASS
174	95	50	120	83.1	109907	PASS
175	174	4	9	7.4	8085	PASS
176	174	93	101	93.4	102624	PASS
177	176	5	9	6.8	6942	PASS

7w12938.D M7Wbfb.M Mon Feb 24 03:48:19 2025

Average of 13.379 to 13.386 min.: 7w12938.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1026	49.00	5344	63.00	4434	76.00	5225
37.05	5766	50.05	25317	64.00	362	77.00	625
38.05	5349	51.05	7761	66.95	290	77.95	500
39.00	1996	52.00	386	68.05	11989	78.95	2926
39.95	35	54.95	333	69.00	12124	79.95	885
42.95	56	56.00	1894	70.05	879	80.95	3176
44.00	617	57.00	3679	71.00	18	81.90	662
45.00	1140	57.95	130	72.00	705	83.10	25
46.05	87	60.00	1178	73.00	5271	86.00	184
47.05	1723	61.00	5864	74.00	19357	87.00	5565
47.95	728	62.00	5849	75.00	60696	88.00	5169

Average of 13.379 to 13.386 min.: 7w12938.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.90	381	106.90	150	122.80	38	139.95	84
92.00	3514	109.85	77	123.85	91	140.95	1291
93.00	4943	110.85	79	124.80	18	141.85	133
94.00	14832	111.85	42	127.90	444	142.90	1269
95.00	132211	112.70	33	128.85	233	143.90	47
96.05	8735	112.90	52	129.90	471	144.80	109
97.05	221	114.85	138	130.95	178	145.90	143
102.80	47	115.85	389	134.80	151	146.85	86
103.85	501	116.90	812	135.00	81	147.85	301
104.85	195	117.85	471	135.95	49	148.85	60
105.90	492	118.90	622	136.85	230	149.85	162

Average of 13.379 to 13.386 min.: 7w12938.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
151.80	22	174.00	109907				
152.85	82	174.95	8085				
153.90	50	176.00	102624				
154.85	357	176.95	6942				
156.85	244	177.90	196				
158.85	120						
160.85	164						
171.10	21						
171.70	27						
172.10	60						
172.95	818						

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/09/25 21:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.644	128	443022	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1966418	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.334	82	923193	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.644	128	443463	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1175874	10.52	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.20%				
Target Compounds							Qvalue
3) FREON 152A	3.521	65	1853	0.06	PPBV		94
4) CHLORODIFLUOROMETHANE	3.552	67	447	0.03	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	3.582	116	2940	0.04	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.631	85	5942	0.04	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	6717	0.05	PPBV	#	83
9) FREON 114	3.815	85	8570	0.04	PPBV		97
10) CHLOROMETHANE	3.754	52	981	0.05	PPBV	#	37
11) VINYL CHLORIDE	3.906	62	2869	0.04	PPBV		88
12) 1,3-BUTADIENE	4.004	54	2362	0.05	PPBV	#	75
13) n-BUTANE	4.041	43	5303	0.06	PPBV	#	90
14) BROMOMETHANE	4.206	94	3514	0.05	PPBV		78
15) CHLOROETHANE	4.329	64	1493	0.05	PPBV	#	29
16) DICHLOROFLUOROMETHANE	4.396	67	6747	0.05	PPBV	#	65
19) FREON 123	4.708	83	7440	0.05	PPBV	#	71
20) FREON 123A	4.751	117	4122	0.05	PPBV	#	70
21) TRICHLOROFLUOROMETHANE	4.916	101	7933	0.05	PPBV		99
24) PENTANE	5.216	42	2198	0.06	PPBV		90
25) IODOMETHANE	5.393	142	5180	0.04	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.454	96	2020	0.05	PPBV		81
27) CARBON DISULFIDE	5.827	76	4602	0.04	PPBV		57
29) BROMOETHENE	4.598	106	3163	0.05	PPBV	#	85
30) ACRYLONITRILE	5.210	52	1055	0.05	PPBV	#	76
31) METHYLENE CHLORIDE	5.577	84	2150	0.06	PPBV		95
32) 3-CHLOROPROPENE	5.674	76	536	0.03	PPBV	#	1
33) FREON 113	5.797	151	3173	0.04	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.433	96	1776	0.04	PPBV		84
35) TERTIARY BUTYL ALCOHOL	5.626	59	2516	0.03	PPBV		75
36) METHYL TERTIARY BUTYL ...	6.770	73	3858	0.04	PPBV		89
38) HEXANE	7.681	57	2238	0.04	PPBV	#	78
40) 1,1-DICHLOROETHANE	6.623	63	3198	0.04	PPBV		92
42) cis-1,2-DICHLOROETHYLENE	7.485	96	2583	0.06	PPBV	#	63
46) CHLOROFORM	7.791	83	4452	0.05	PPBV		91
47) 2,4-DIMETHYLPENTANE	8.648	57	2367	0.03	PPBV	#	79
48) 1,1,1-TRICHLOROETHANE	8.856	97	4078	0.04	PPBV		89
49) CARBON TETRACHLORIDE	9.547	117	4441	0.04	PPBV		96
50) 1,2-DICHLOROETHANE	8.599	62	2140	0.03	PPBV	#	88
52) BENZENE	9.388	78	5101	0.04	PPBV		92
53) CYCLOHEXANE	9.682	84	1998	0.04	PPBV		91
54) 2,3-DIMETHYLPENTANE	9.975	71	799	0.03	PPBV	#	36
55) TRICHLOROETHYLENE	10.642	95	2695	0.04	PPBV		87
56) 1,2-DICHLOROPROPANE	10.355	63	2118	0.04	PPBV		66
57) DIBROMOMETHANE	10.330	174	3225	0.05	PPBV		99
59) BROMODICHLOROMETHANE	10.593	83	4712	0.04	PPBV		89
60) 2,2,4-TRIMETHYLPENTANE	10.667	57	6773	0.03	PPBV	#	89
62) HEPTANE	11.027	43	2162	0.03	PPBV		91
65) cis-1,3-DICHLOROPROPENE	11.743	75	2285	0.03	PPBV		65
66) TOLUENE	12.967	92	3147	0.03	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

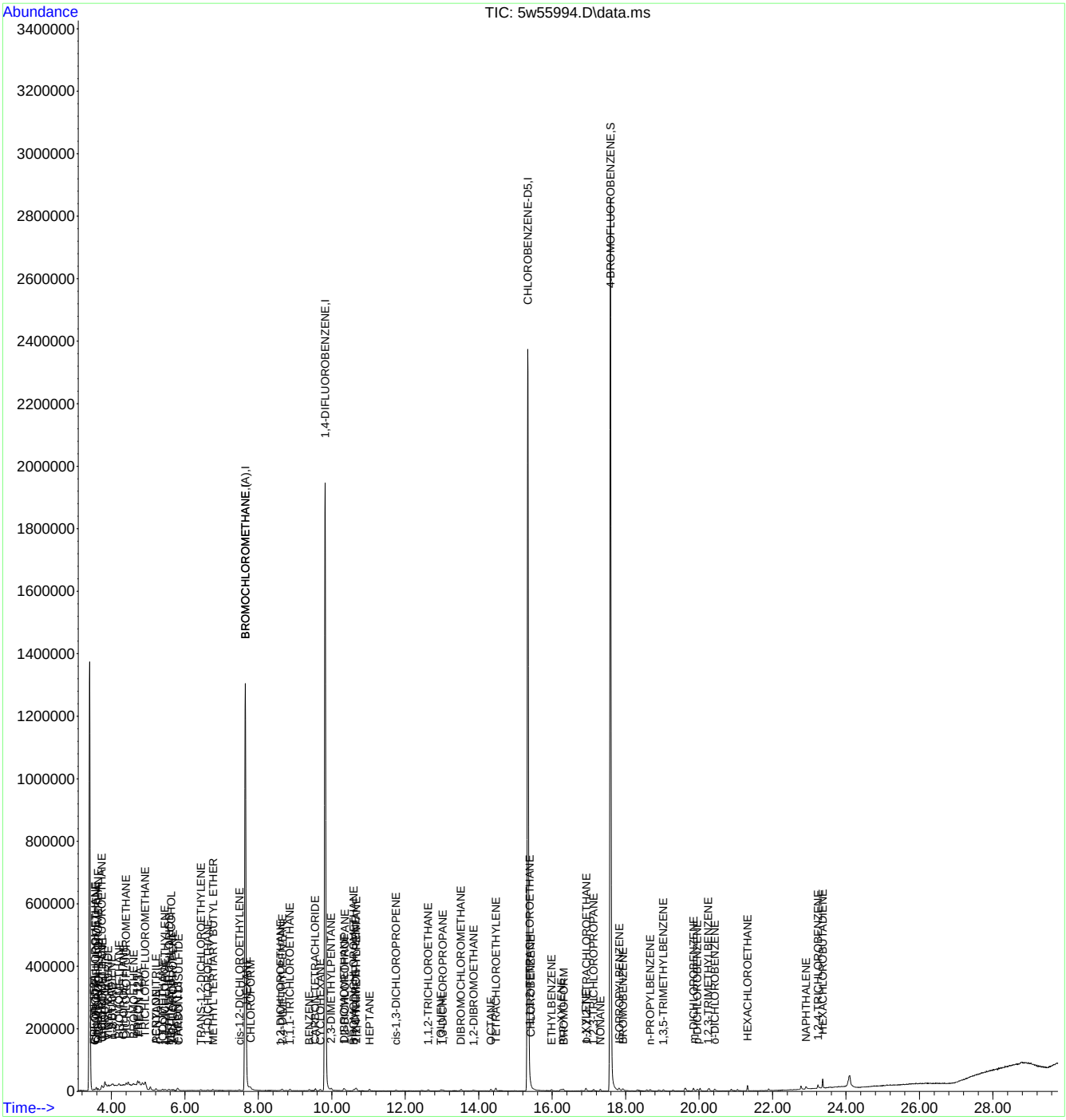
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
67) 1,3-DICHLOROPROPANE	13.022	76	2387	0.03	PPBV	#	73
69) 1,1,2-TRICHLOROETHANE	12.618	83	1687	0.03	PPBV		93
73) TETRACHLOROETHYLENE	14.472	164	2849	0.04	PPBV		92
74) DIBROMOCHLOROMETHANE	13.511	129	4116	0.03	PPBV		94
75) 1,2-DIBROMOETHANE	13.854	107	3270	0.04	PPBV	#	99
76) OCTANE	14.331	43	2989	0.03	PPBV		87
77) 1,1,1,2-TETRACHLOROETHANE	15.389	131	3162	0.04	PPBV		98
78) CHLOROBENZENE	15.414	112	5417	0.04	PPBV	#	51
79) ETHYLBENZENE	15.977	91	6346	0.03	PPBV		95
80) m,p-XYLENE	16.246	106	4381m	0.06	PPBV		
81) o-XYLENE	16.913	106	2014	0.03	PPBV	#	74
83) NONANE	17.310	43	2812	0.03	PPBV	#	79
84) BROMOFORM	16.313	173	4056	0.03	PPBV	#	91
86) 1,1,2,2-TETRACHLOROETHANE	16.931	83	4847	0.04	PPBV	#	93
87) 1,2,3-TRICHLOROPROPANE	17.121	75	3572	0.04	PPBV		92
88) ISOPROPYLBENZENE	17.824	105	7568	0.03	PPBV		97
89) BROMOBENZENE	17.928	77	3924	0.04	PPBV		92
91) n-PROPYLBENZENE	18.662	120	1753	0.03	PPBV	#	62
93) 1,3,5-TRIMETHYLBENZENE	19.023	105	5102	0.03	PPBV		96
97) m-DICHLOROBENZENE	19.843	146	5390	0.03	PPBV		93
99) p-DICHLOROBENZENE	19.947	146	5339	0.04	PPBV		86
101) 1,2,3-TRIMETHYLBENZENE	20.247	105	5183	0.03	PPBV	#	24
103) o-DICHLOROBENZENE	20.424	146	5189	0.04	PPBV		94
105) HEXACHLOROETHANE	21.317	117	3402	0.03	PPBV		95
106) HEXACHLOROBUTADIENE	23.367	225	5243	0.04	PPBV		96
107) 1,2,4-TRICHLOROBENZENE	23.238	180	6027	0.05	PPBV		90
108) NAPHTHALENE	22.908	128	13009	0.05	PPBV		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Manual Integration Approval Summary

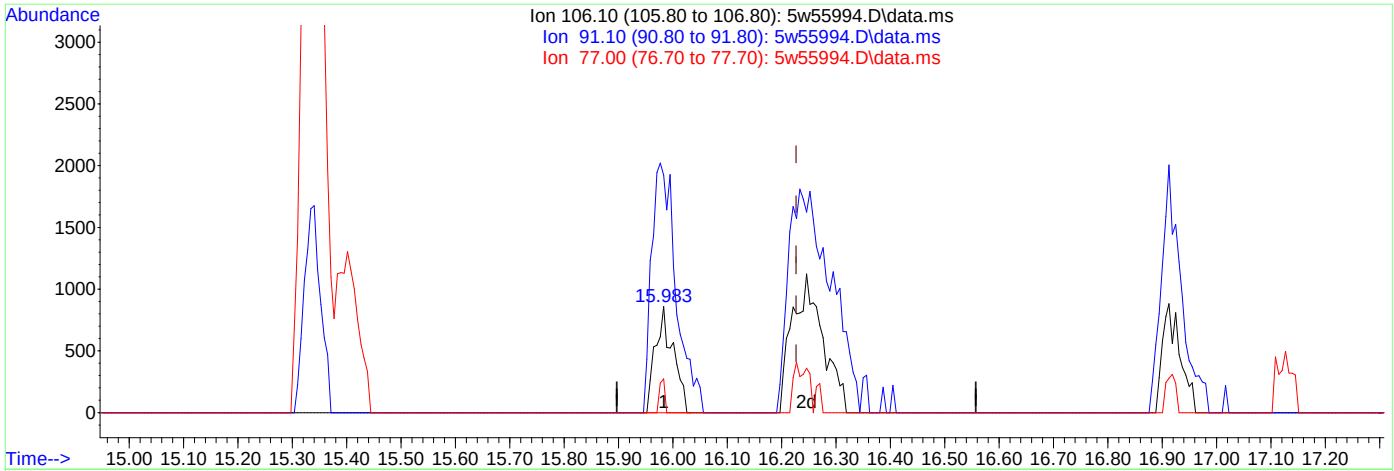
Sample Number:	V5W2144-IC2144	**Method:**	TO-15
Lab FileID:	5W55994.D	**Analyst approved:**	01/09/25 17:26 Thomas Hilbig
Injection Time:	01/09/25 00:36	**Supervisor approved:**	01/09/25 21:50 Kanya Veerawat

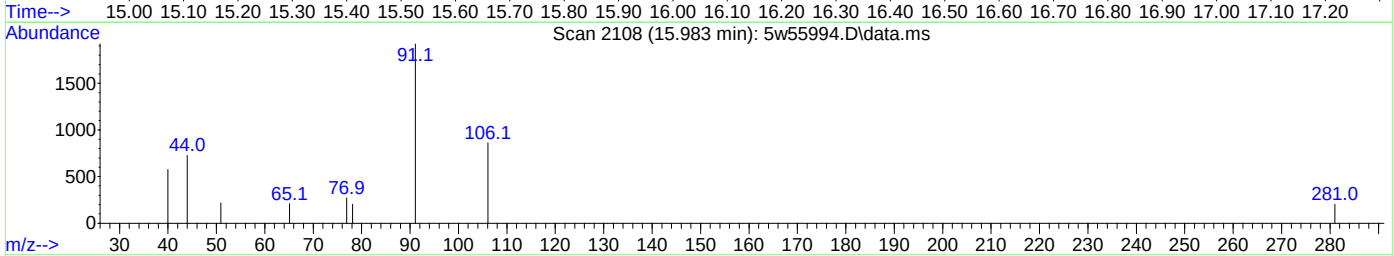
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			16.25	Missed peak

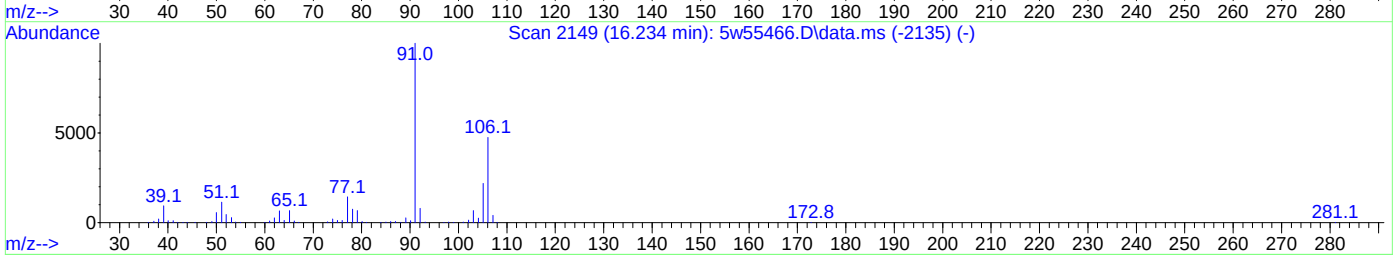
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:45 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration







TIC: 5w55994.D\data.ms

(80) m,p-XYLENE

15.983min (-0.245) 0.02PPBV

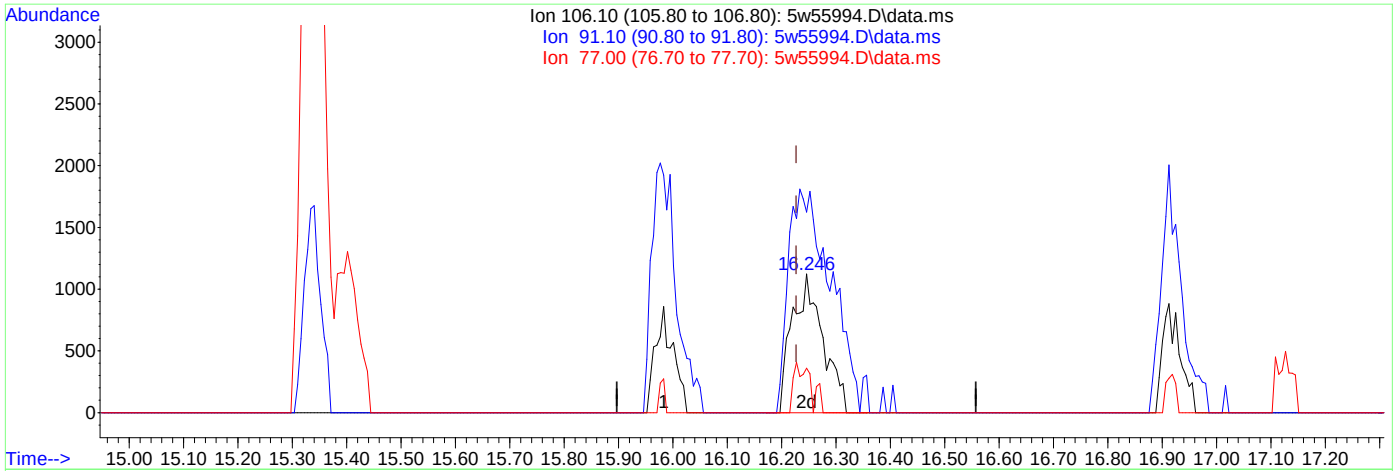
response 1950

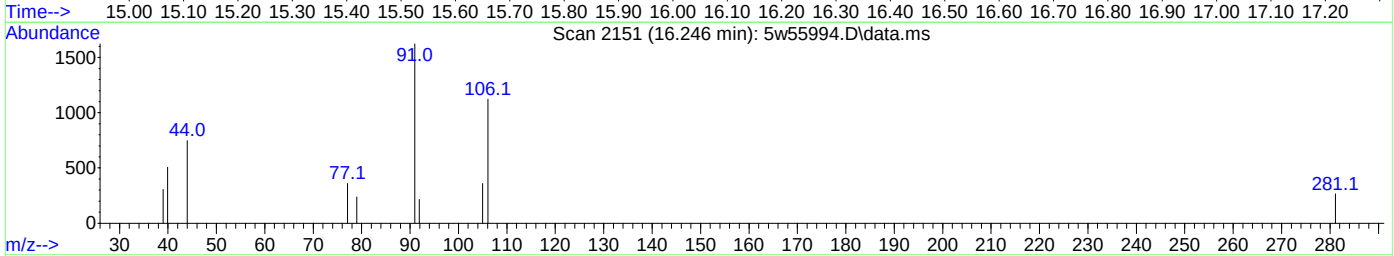
Ion	Exp%	Act%
106.10	100	100
91.10	198.70	223.60
77.00	27.90	31.74
0.00	0.00	0.00

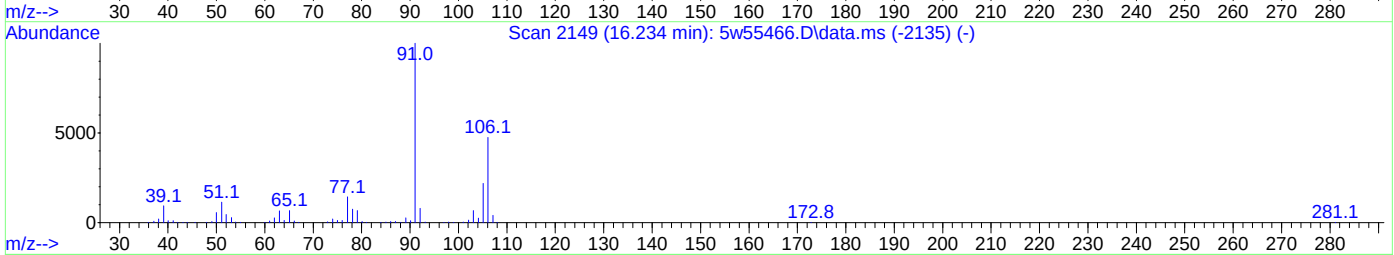
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:45 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration







TIC: 5w55994.D\data.ms

(80) m,p-XYLENE

16.246min (+0.018) 0.06PPBV m

response 4381

Ion	Exp%	Act%
106.10	100	100
91.10	198.70	144.74#
77.00	27.90	32.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/09/25 21:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.645	128	433255	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1918380	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.335	82	901402	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.645	128	433255	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1152670	10.56	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.60%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	3650	0.13	PPBV		91
4) CHLORODIFLUOROMETHANE	3.558	67	1532	0.10	PPBV		61
5) CHLOROTRIFLUOROETHENE	3.582	116	7165	0.10	PPBV		96
6) DICHLORODIFLUOROMETHANE	3.631	85	14944	0.10	PPBV		99
7) PROPYLENE	3.582	41	4514	0.13	PPBV		84
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	15855	0.11	PPBV		92
9) FREON 114	3.821	85	21716	0.12	PPBV		95
10) CHLOROMETHANE	3.754	52	2244	0.12	PPBV		92
11) VINYL CHLORIDE	3.913	62	7444	0.11	PPBV		94
12) 1,3-BUTADIENE	4.005	54	5295	0.12	PPBV	#	71
13) n-BUTANE	4.041	43	11150	0.13	PPBV	#	93
14) BROMOMETHANE	4.206	94	8211	0.12	PPBV		89
15) CHLOROETHANE	4.335	64	3509	0.13	PPBV		80
16) DICHLOROFLUOROMETHANE	4.402	67	17356	0.12	PPBV		92
17) ACETONITRILE	4.622	41	5969	0.12	PPBV	#	80
19) FREON 123	4.714	83	17789	0.12	PPBV		99
20) FREON 123A	4.751	117	10511	0.12	PPBV		87
21) TRICHLOROFLUOROMETHANE	4.916	101	19530	0.13	PPBV		98
24) PENTANE	5.210	42	5024	0.13	PPBV		91
25) IODOMETHANE	5.393	142	12927	0.10	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.454	96	4487	0.11	PPBV		94
27) CARBON DISULFIDE	5.834	76	12164	0.11	PPBV		76
29) BROMOETHENE	4.592	106	7330	0.11	PPBV		88
30) ACRYLONITRILE	5.204	52	3168	0.14	PPBV		87
31) METHYLENE CHLORIDE	5.565	84	4510	0.12	PPBV		98
32) 3-CHLOROPROPENE	5.675	76	1681	0.09	PPBV	#	62
33) FREON 113	5.791	151	7930	0.11	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.439	96	4415	0.10	PPBV		93
35) TERTIARY BUTYL ALCOHOL	5.607	59	6517	0.09	PPBV		89
36) METHYL TERTIARY BUTYL ...	6.751	73	9762	0.09	PPBV		91
37) TETRAHYDROFURAN	8.342	72	997	0.05	PPBV	#	40
38) HEXANE	7.687	57	5305	0.09	PPBV		82
40) 1,1-DICHLOROETHANE	6.629	63	7463	0.10	PPBV		98
41) METHYL ETHYL KETONE	7.161	72	1030	0.06	PPBV	#	35
42) cis-1,2-DICHLOROETHYLENE	7.479	96	4462	0.10	PPBV		98
43) DIISOPROPYL ETHER	7.742	59	1359	0.08	PPBV	#	69
46) CHLOROFORM	7.785	83	10941	0.11	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.648	57	5536	0.08	PPBV		86
48) 1,1,1-TRICHLOROETHANE	8.862	97	10721	0.11	PPBV		99
49) CARBON TETRACHLORIDE	9.553	117	11441	0.10	PPBV		97
50) 1,2-DICHLOROETHANE	8.593	62	6119	0.10	PPBV	#	95
52) BENZENE	9.388	78	13309	0.11	PPBV		97
53) CYCLOHEXANE	9.682	84	4623	0.09	PPBV		94
54) 2,3-DIMETHYLPENTANE	9.988	71	2369	0.09	PPBV	#	80
55) TRICHLOROETHYLENE	10.642	95	6197	0.10	PPBV		99
56) 1,2-DICHLOROPROPANE	10.361	63	5058	0.10	PPBV		93
57) DIBROMOMETHANE	10.318	174	7095	0.11	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

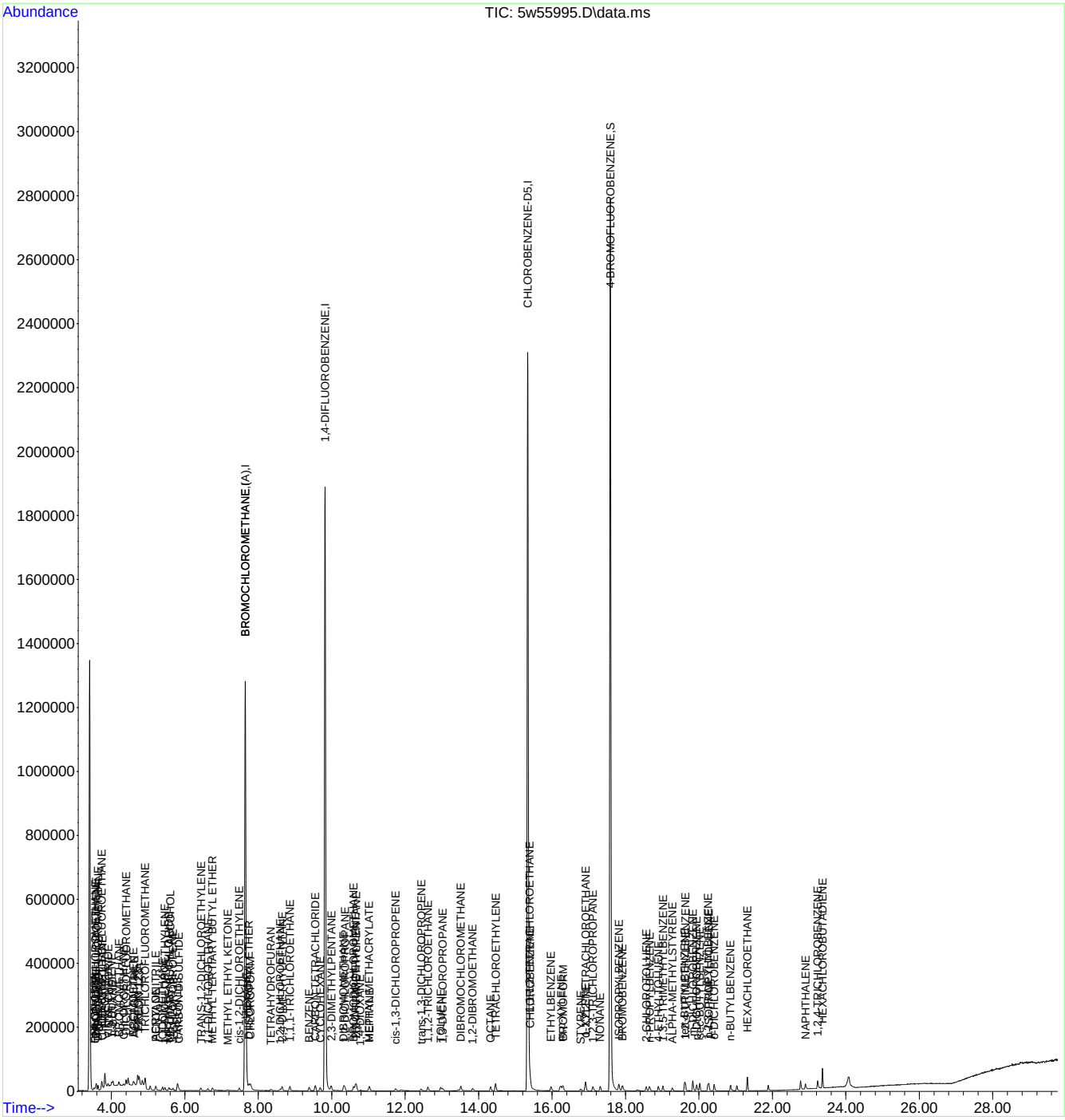
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
59)	BROMODICHLOROMETHANE	10.593	83	11411	0.10	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	17179	0.09	PPBV		96
61)	1,4-DIOXANE	10.777	88	2088	0.07	PPBV	#	1
62)	HEPTANE	11.022	43	6061	0.09	PPBV		96
63)	METHYL METHACRYLATE	11.009	69	2564	0.06	PPBV	#	1
65)	cis-1,3-DICHLOROPROPENE	11.737	75	6402	0.08	PPBV		87
66)	TOLUENE	12.967	92	7525	0.08	PPBV		94
67)	1,3-DICHLOROPROPANE	13.022	76	6941	0.09	PPBV	#	98
68)	trans-1,3-DICHLOROPROPENE	12.435	75	5660	0.07	PPBV		89
69)	1,1,2-TRICHLOROETHANE	12.618	83	5480	0.10	PPBV		91
73)	TETRACHLOROETHYLENE	14.466	164	7210	0.11	PPBV		95
74)	DIBROMOCHLOROMETHANE	13.505	129	11414	0.09	PPBV		95
75)	1,2-DIBROMOETHANE	13.830	107	8657	0.10	PPBV	#	98
76)	OCTANE	14.325	43	7208	0.08	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	7961	0.10	PPBV		100
78)	CHLOROBENZENE	15.402	112	13954	0.11	PPBV		95
79)	ETHYLBENZENE	15.965	91	16779	0.09	PPBV		95
80)	m,p-XYLENE	16.246	106	11529	0.15	PPBV	#	82
81)	o-XYLENE	16.907	106	5508	0.07	PPBV		93
82)	STYRENE	16.778	104	7132	0.06	PPBV		94
83)	NONANE	17.304	43	7111	0.07	PPBV		95
84)	BROMOFORM	16.295	173	10191	0.08	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	13778	0.11	PPBV		97
87)	1,2,3-TRICHLOROPROPANE	17.115	75	9506	0.11	PPBV		95
88)	ISOPROPYLBENZENE	17.818	105	19384	0.09	PPBV		96
89)	BROMOBENZENE	17.910	77	10985	0.10	PPBV		91
90)	2-CHLOROTOLUENE	18.565	126	4604	0.08	PPBV		91
91)	n-PROPYLBENZENE	18.656	120	4267	0.07	PPBV		72
92)	4-ETHYLTOLUENE	18.889	105	15753m	0.07	PPBV		
93)	1,3,5-TRIMETHYLBENZENE	19.024	105	13725	0.08	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.274	118	5690	0.06	PPBV		95
95)	tert-BUTYLBENZENE	19.611	134	2934	0.07	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	13508	0.07	PPBV	#	31
97)	m-DICHLOROBENZENE	19.831	146	12842	0.08	PPBV		99
99)	p-DICHLOROBENZENE	19.935	146	13807	0.10	PPBV		96
100)	sec-BUTYLBENZENE	20.021	134	3746	0.07	PPBV		92
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	13896	0.07	PPBV	#	95
102)	p-ISOPROPYLTOLUENE	20.265	134	4014	0.07	PPBV	#	88
103)	o-DICHLOROBENZENE	20.412	146	12791	0.10	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	3516	0.06	PPBV	#	75
105)	HEXACHLOROETHANE	21.318	117	9333	0.09	PPBV		97
106)	HEXACHLOROBUTADIENE	23.367	225	11703	0.09	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.233	180	11258	0.10	PPBV		94
108)	NAPHTHALENE	22.902	128	21792	0.08	PPBV		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Manual Integration Approval Summary

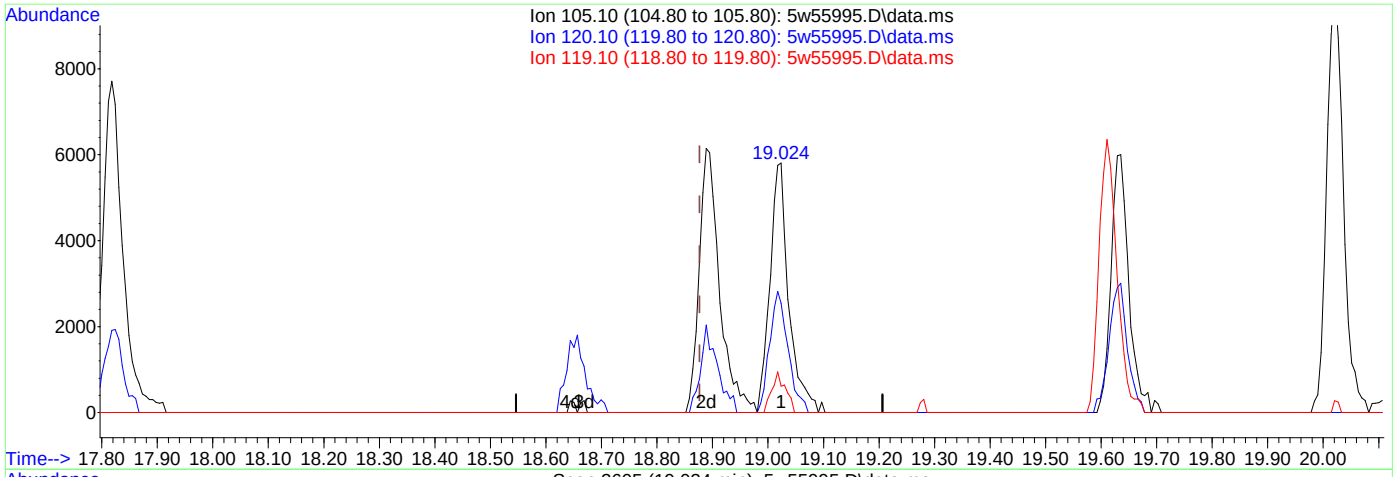
Sample Number:	V5W2144-IC2144	**Method:**	TO-15
Lab FileID:	5W55995.D	**Analyst approved:**	01/09/25 19:21 Thomas Hilbig
Injection Time:	01/09/25 01:16	**Supervisor approved:**	01/09/25 21:50 Kanya Veerawat

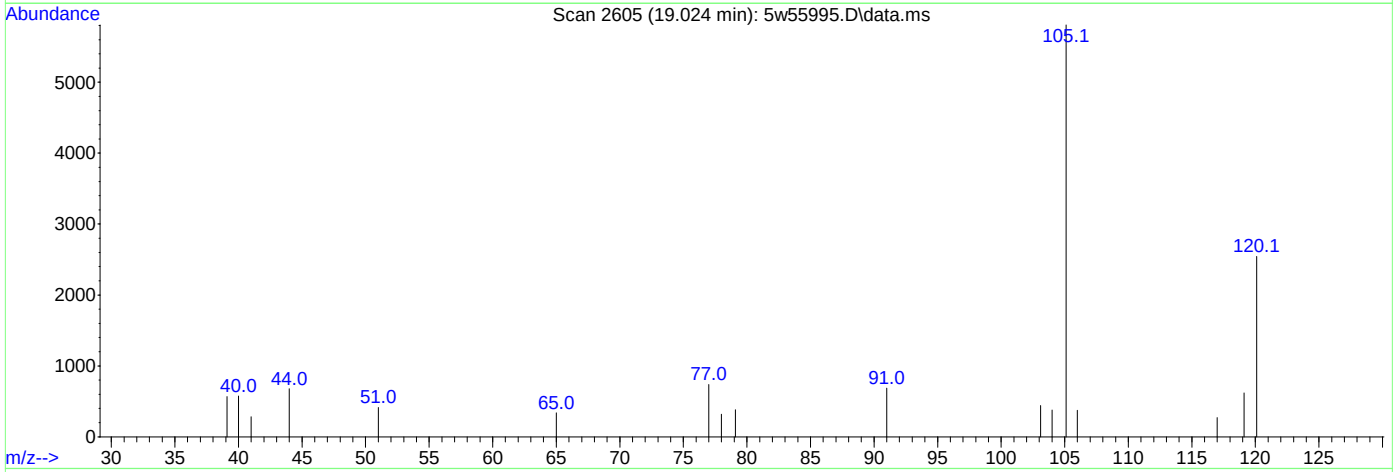
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Ethyltoluene	622-96-8		18.89	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:59 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration





TIC: 5w55995.D\data.ms

(92) 4-ETHYLTOLUENE

19.024min (+0.147) 0.06PPBV

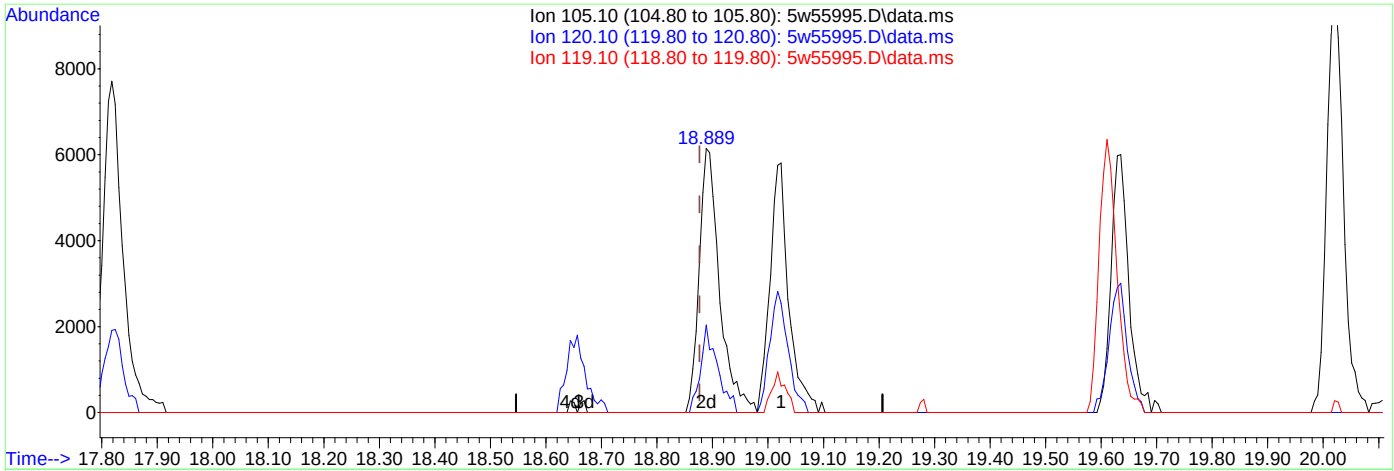
response 13725

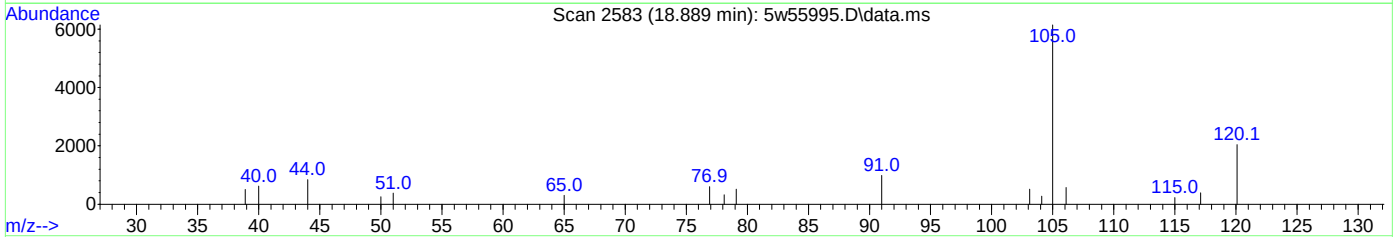
Ion	Exp%	Act%
105.10	100	100
120.10	30.00	47.44
119.10	2.30	11.77
0.00	0.00	0.00

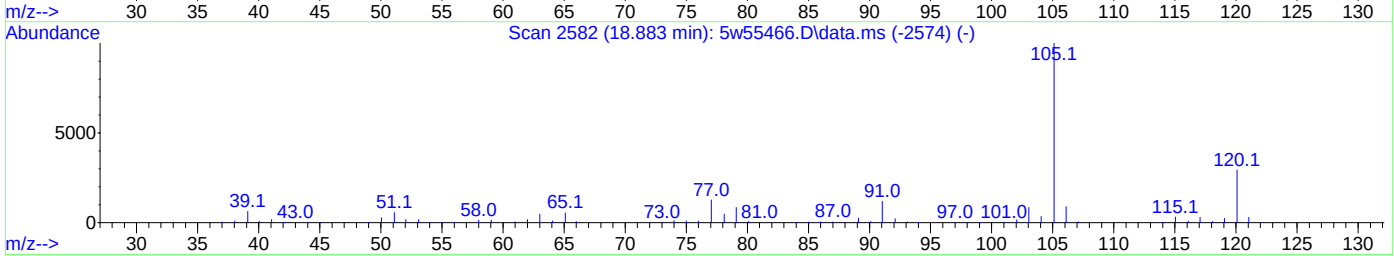
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:59 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration







TIC: 5w55995.D\data.ms

(92) 4-ETHYLTOLUENE

18.889min (+0.012) 0.07PPBV m

response 15753

Ion	Exp%	Act%
105.10	100	100
120.10	30.00	41.33
119.10	2.30	10.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	430146	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1898537	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.335	82	894261	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	430146	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1158429	10.70	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.00%				
Target Compounds							Qvalue
3) FREON 152A	3.534	65	6168	0.22	PPBV		91
4) CHLORODIFLUOROMETHANE	3.570	67	2932	0.20	PPBV		96
5) CHLOROTRIFLUOROETHENE	3.595	116	14560	0.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.644	85	30332	0.21	PPBV		100
7) PROPYLENE	3.589	41	7548	0.22	PPBV		89
8) 1-CHLORO-1,1-DIFLUOROE...	3.742	65	32151	0.22	PPBV		95
9) FREON 114	3.827	85	43523	0.23	PPBV		95
10) CHLOROMETHANE	3.760	52	4413	0.24	PPBV		98
11) VINYL CHLORIDE	3.919	62	14573	0.23	PPBV		96
12) 1,3-BUTADIENE	4.017	54	10010	0.24	PPBV		86
13) n-BUTANE	4.054	43	23212	0.28	PPBV	#	93
14) BROMOMETHANE	4.219	94	15513	0.23	PPBV		90
15) CHLOROETHANE	4.341	64	6633	0.24	PPBV		91
16) DICHLOROFLUOROMETHANE	4.408	67	33297	0.24	PPBV		98
17) ACETONITRILE	4.629	41	14458	0.29	PPBV		92
18) ACROLEIN	4.720	56	6230	0.28	PPBV	#	4
19) FREON 123	4.720	83	35230	0.23	PPBV		98
20) FREON 123A	4.763	117	20311	0.24	PPBV		87
21) TRICHLOROFLUOROMETHANE	4.928	101	30110	0.20	PPBV		99
22) ISOPROPYL ALCOHOL	5.057	45	25111	0.34	PPBV		87
23) ACETONE	4.843	58	8402	0.35	PPBV	#	70
24) PENTANE	5.216	42	9302	0.24	PPBV		96
25) IODOMETHANE	5.406	142	25561	0.21	PPBV		97
26) 1,1-DICHLOROETHYLENE	5.467	96	8707	0.22	PPBV		94
27) CARBON DISULFIDE	5.840	76	25423	0.22	PPBV		85
29) BROMOETHENE	4.604	106	14423	0.22	PPBV		96
30) ACRYLONITRILE	5.216	52	7003	0.31	PPBV		98
31) METHYLENE CHLORIDE	5.577	84	8794	0.24	PPBV		98
32) 3-CHLOROPROPENE	5.681	76	3873	0.21	PPBV		90
33) FREON 113	5.809	151	16242	0.22	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.433	96	9097	0.22	PPBV		97
35) TERTIARY BUTYL ALCOHOL	5.607	59	13183	0.18	PPBV		85
36) METHYL TERTIARY BUTYL ...	6.751	73	20340	0.19	PPBV		93
37) TETRAHYDROFURAN	8.318	72	2510	0.14	PPBV	#	67
38) HEXANE	7.687	57	10819	0.18	PPBV		90
39) VINYL ACETATE	6.825	86	449	0.06	PPBV	#	1
40) 1,1-DICHLOROETHANE	6.635	63	15670	0.22	PPBV		99
41) METHYL ETHYL KETONE	7.125	72	2726	0.15	PPBV	#	72
42) cis-1,2-DICHLOROETHYLENE	7.486	96	9388	0.21	PPBV		94
43) DIISOPROPYL ETHER	7.749	59	3117	0.18	PPBV		98
44) ETHYL ACETATE	7.804	61	1830	0.14	PPBV	#	37
45) METHYL ACRYLATE	7.779	55	10050m	0.14	PPBV		
46) CHLOROFORM	7.798	83	21741	0.23	PPBV		90
47) 2,4-DIMETHYLPENTANE	8.648	57	11533	0.17	PPBV		88
48) 1,1,1-TRICHLOROETHANE	8.862	97	21758	0.22	PPBV		98
49) CARBON TETRACHLORIDE	9.553	117	23203	0.21	PPBV		99
50) 1,2-DICHLOROETHANE	8.599	62	13059	0.22	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	BENZENE	9.388	78	25585	0.21	PPBV		99
53)	CYCLOHEXANE	9.682	84	8785	0.17	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.988	71	5117	0.20	PPBV		94
55)	TRICHLOROETHYLENE	10.642	95	12186	0.19	PPBV		98
56)	1,2-DICHLOROPROPANE	10.355	63	9729	0.20	PPBV		98
57)	DIBROMOMETHANE	10.330	174	14121	0.21	PPBV		97
58)	ETHYL ACRYLATE	10.477	55	11040	0.12	PPBV	#	82
59)	BROMODICHLOROMETHANE	10.593	83	23424	0.20	PPBV		92
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	32971	0.18	PPBV		94
61)	1,4-DIOXANE	10.765	88	4325	0.14	PPBV	#	1
62)	HEPTANE	11.022	43	12467	0.18	PPBV		97
63)	METHYL METHACRYLATE	10.979	69	6268	0.14	PPBV	#	64
64)	METHYL ISOBUTYL KETONE	11.860	58	4258	0.12	PPBV	#	60
65)	cis-1,3-DICHLOROPROPENE	11.731	75	13102	0.16	PPBV		89
66)	TOLUENE	12.961	92	15243	0.16	PPBV		97
67)	1,3-DICHLOROPROPANE	13.022	76	14414	0.18	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.423	75	11037	0.14	PPBV		90
69)	1,1,2-TRICHLOROETHANE	12.618	83	10655	0.20	PPBV		97
71)	2-HEXANONE	13.438	58	3862	0.08	PPBV	#	29
72)	ETHYL METHACRYLATE	13.426	69	8311	0.11	PPBV		94
73)	TETRACHLOROETHYLENE	14.460	164	14147	0.22	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.512	129	23704	0.20	PPBV		96
75)	1,2-DIBROMOETHANE	13.830	107	18318	0.20	PPBV		97
76)	OCTANE	14.325	43	14928	0.16	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	15844	0.21	PPBV		98
78)	CHLOROBENZENE	15.402	112	28951	0.23	PPBV		96
79)	ETHYLBENZENE	15.965	91	33131	0.18	PPBV		98
80)	m,p-XYLENE	16.234	106	24603	0.32	PPBV		96
81)	o-XYLENE	16.901	106	11814	0.16	PPBV		94
82)	STYRENE	16.772	104	15130	0.13	PPBV		98
83)	NONANE	17.304	43	15302	0.16	PPBV		99
84)	BROMOFORM	16.295	173	22128	0.18	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	27500	0.21	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.103	75	18951	0.22	PPBV		98
88)	ISOPROPYLBENZENE	17.812	105	38756	0.18	PPBV		98
89)	BROMOBENZENE	17.916	77	21469	0.20	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	9449	0.16	PPBV		97
91)	n-PROPYLBENZENE	18.644	120	9127	0.15	PPBV		99
92)	4-ETHYLTOLUENE	18.883	105	33181	0.15	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	29448	0.16	PPBV		96
94)	ALPHA-METHYLSTYRENE	19.268	118	11835	0.12	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	6084	0.14	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	28844	0.15	PPBV		99
97)	m-DICHLOROBENZENE	19.831	146	26957	0.18	PPBV		98
98)	BENZYL CHLORIDE	19.819	91	26223	0.14	PPBV		97
99)	p-DICHLOROBENZENE	19.929	146	27136	0.20	PPBV		98
100)	sec-BUTYLBENZENE	20.015	134	8151	0.16	PPBV	#	88
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	29770	0.15	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.265	134	9403	0.16	PPBV		96
103)	o-DICHLOROBENZENE	20.412	146	26574	0.20	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	7862	0.13	PPBV	#	83
105)	HEXACHLOROETHANE	21.318	117	18373	0.19	PPBV		97
106)	HEXACHLOROBUTADIENE	23.367	225	23529	0.18	PPBV		96
107)	1,2,4-TRICHLOROBENZENE	23.233	180	20813	0.18	PPBV		98
108)	NAPHTHALENE	22.896	128	42291	0.15	PPBV		98
110)	TVHC as equiv Pentane	5.216	TIC	63670	0.25	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

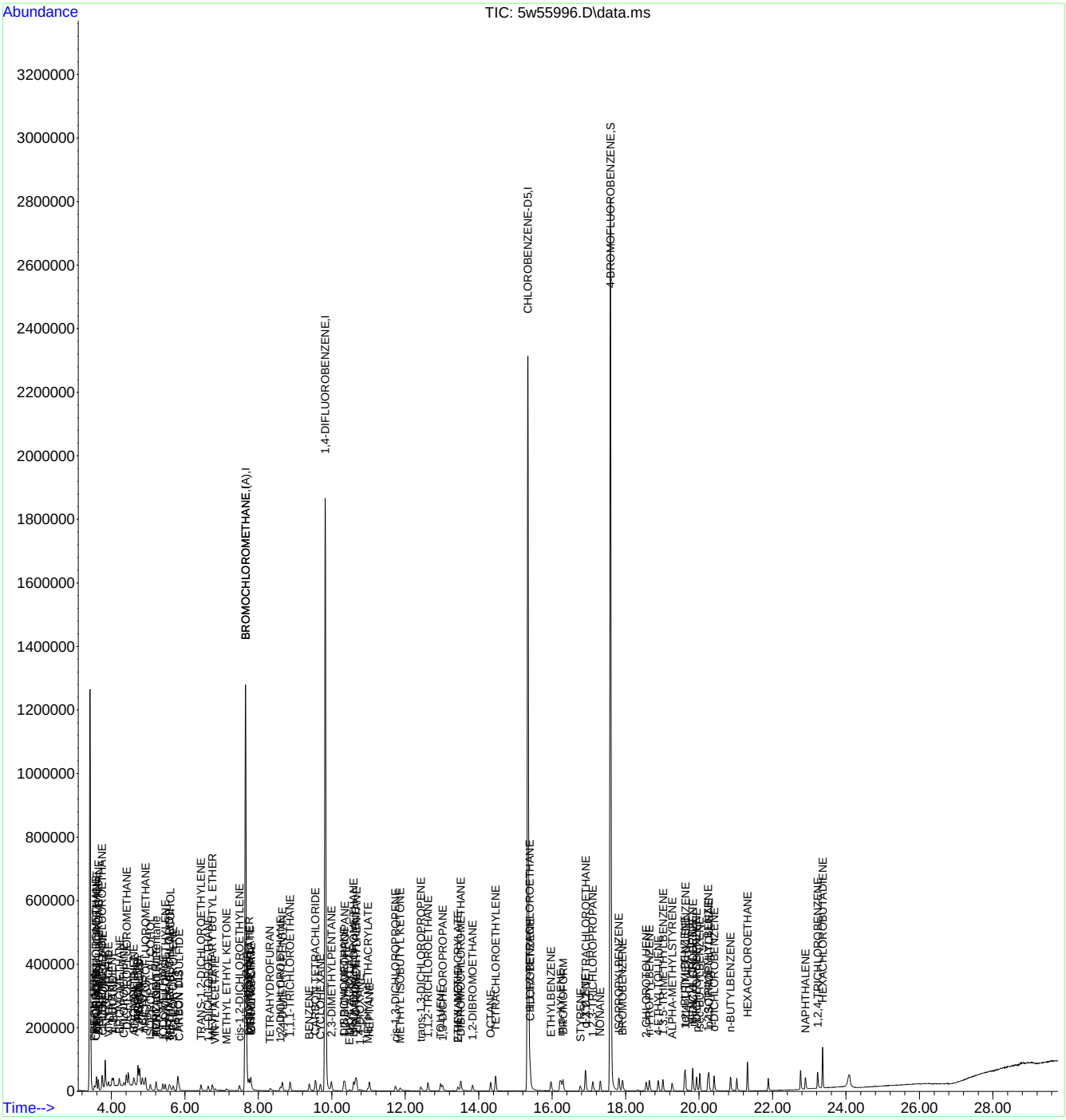
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

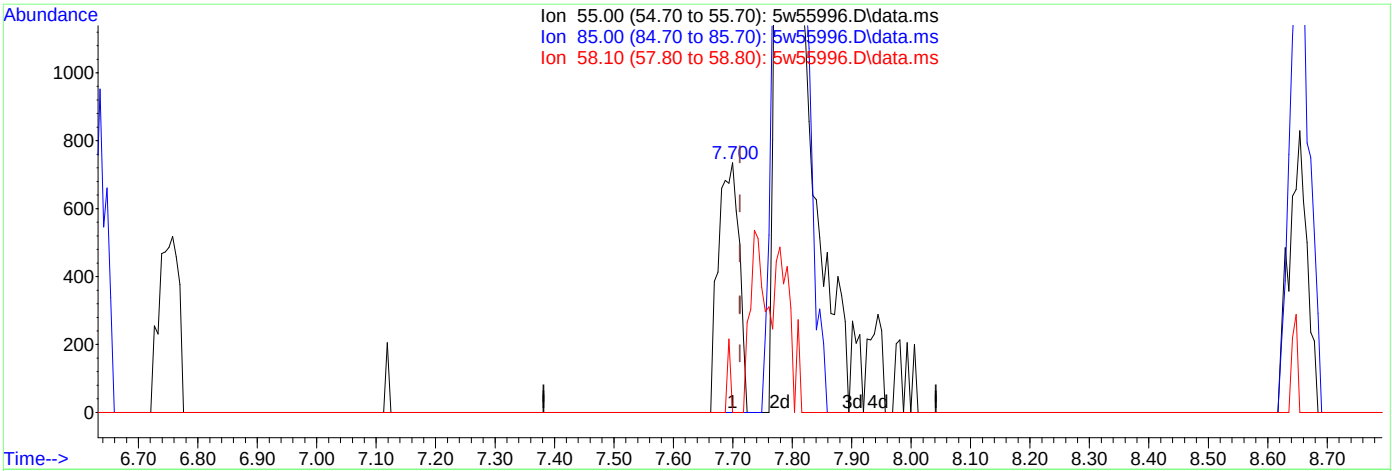
Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

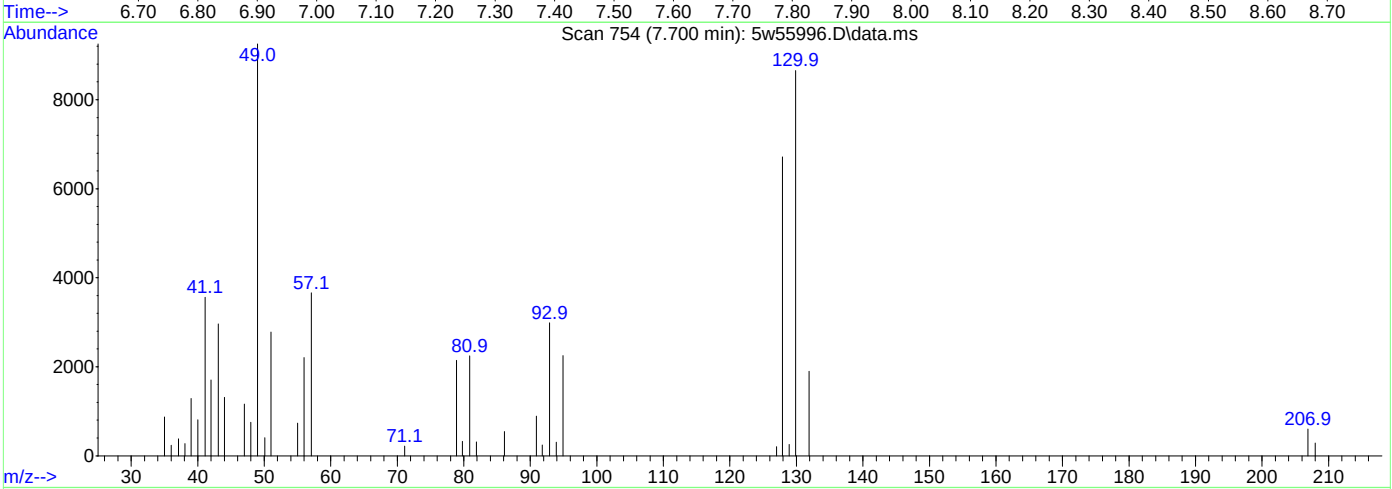


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:18 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration





TIC: 5w55996.D\data.ms

(45) METHYL ACRYLATE

7.700min (-0.012) 0.02PPBV

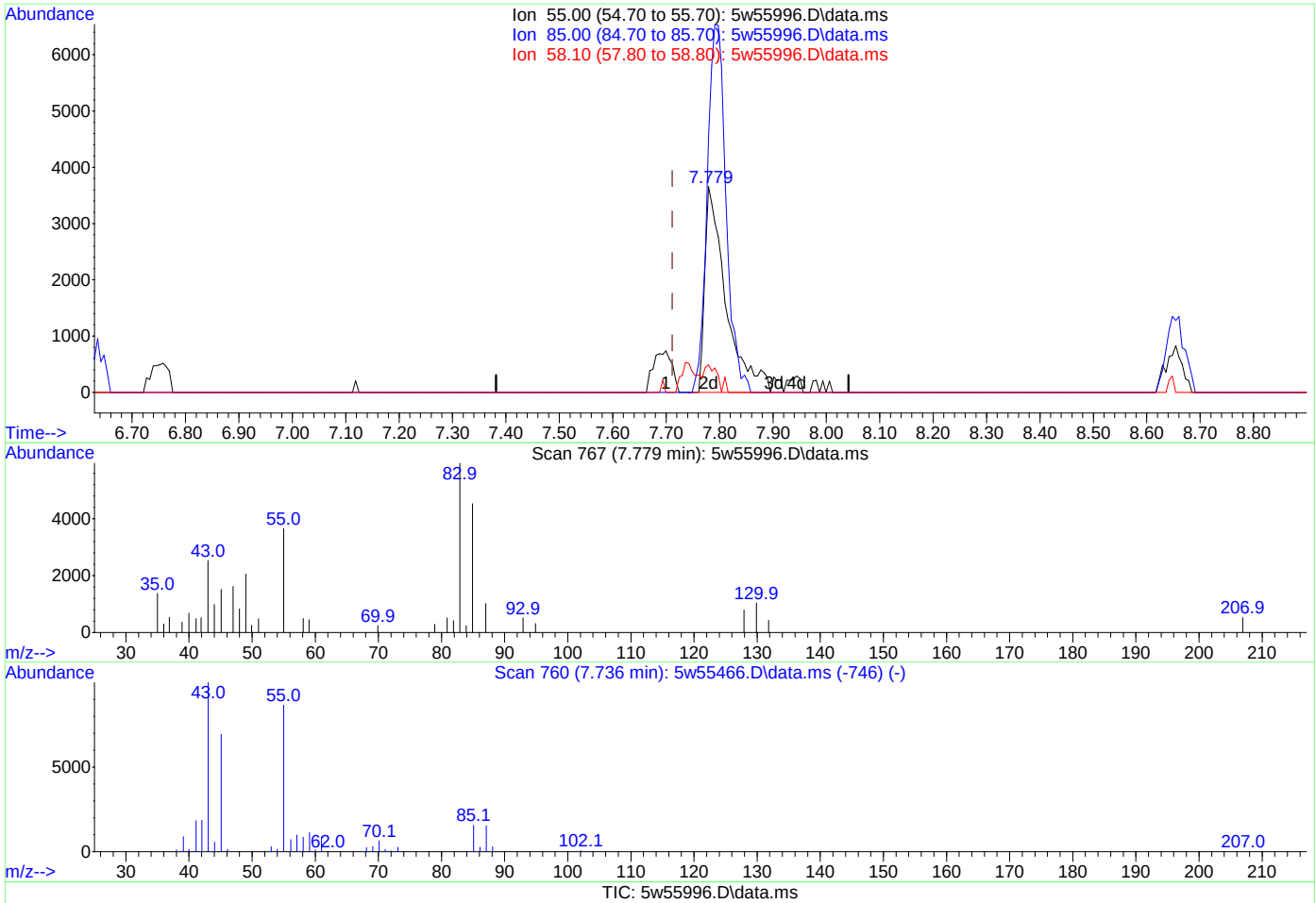
response 1784

Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



TIC: 5w55996.D\data.ms

(45) METHYL ACRYLATE

7.779min (+0.067) 0.14PPBV m

response 10050

Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	412314	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1823891	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	913003	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	412314	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1161846	10.51	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.10%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	147367	5.41	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	73198	5.27	PPBV		97
5) CHLOROTRIFLUOROETHENE	3.588	116	364587	5.26	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.631	85	733551	5.39	PPBV		100
7) PROPYLENE	3.582	41	178796	5.42	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	756226	5.48	PPBV		100
9) FREON 114	3.821	85	1036757	5.83	PPBV		99
10) CHLOROMETHANE	3.754	52	95845	5.37	PPBV		99
11) VINYL CHLORIDE	3.913	62	337433	5.44	PPBV		100
12) 1,3-BUTADIENE	4.011	54	227101	5.62	PPBV		98
13) n-BUTANE	4.041	43	462829	5.73	PPBV		98
14) BROMOMETHANE	4.206	94	358674	5.54	PPBV		99
15) CHLOROETHANE	4.335	64	145882	5.55	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	742212	5.59	PPBV		100
17) ACETONITRILE	4.598	41	257626	5.36	PPBV		99
18) ACROLEIN	4.696	56	116734	5.44	PPBV		100
19) FREON 123	4.714	83	815033	5.64	PPBV		100
20) FREON 123A	4.757	117	475455	5.81	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.922	101	789105	5.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.008	45	401918	5.62	PPBV		100
23) ACETONE	4.806	58	129044	5.64	PPBV		99
24) PENTANE	5.210	42	209310	5.64	PPBV		100
25) IODOMETHANE	5.393	142	651862	5.55	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.460	96	204770	5.46	PPBV		100
27) CARBON DISULFIDE	5.828	76	605414	5.56	PPBV		100
28) ETHANOL	4.433	45	165389	5.43	PPBV		98
29) BROMOETHENE	4.598	106	341504	5.45	PPBV		99
30) ACRYLONITRILE	5.185	52	123794	5.71	PPBV		99
31) METHYLENE CHLORIDE	5.571	84	194110	5.51	PPBV		99
32) 3-CHLOROPROPENE	5.675	76	94602	5.33	PPBV		99
33) FREON 113	5.797	151	374705	5.37	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.433	96	212538	5.29	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.534	59	345988	5.03	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.696	73	553361	5.41	PPBV		99
37) TETRAHYDROFURAN	8.232	72	91212	5.20	PPBV		98
38) HEXANE	7.687	57	300652	5.36	PPBV		100
39) VINYL ACETATE	6.788	86	35480	4.94	PPBV		99
40) 1,1-DICHLOROETHANE	6.629	63	383811	5.57	PPBV		99
41) METHYL ETHYL KETONE	7.045	72	93452	5.25	PPBV		91
42) cis-1,2-DICHLOROETHYLENE	7.479	96	227374	5.38	PPBV		100
43) DIISOPROPYL ETHER	7.700	59	90544	5.34	PPBV		99
44) ETHYL ACETATE	7.736	61	67378	5.32	PPBV	#	37
45) METHYL ACRYLATE	7.718	55	376177	5.39	PPBV		99
46) CHLOROFORM	7.791	83	508420	5.58	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.648	57	341579	5.33	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.862	97	522398	5.48	PPBV		100
49) CARBON TETRACHLORIDE	9.547	117	579909	5.42	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	318794	5.55	PPBV		100
52)	BENZENE	9.382	78	649530	5.45	PPBV		100
53)	CYCLOHEXANE	9.682	84	260380	5.32	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.981	71	131512	5.28	PPBV		98
55)	TRICHLOROETHYLENE	10.636	95	322438	5.24	PPBV		98
56)	1,2-DICHLOROPROPANE	10.349	63	243198	5.19	PPBV		100
57)	DIBROMOMETHANE	10.318	174	322389	5.10	PPBV		99
58)	ETHYL ACRYLATE	10.404	55	440559	5.14	PPBV		99
59)	BROMODICHLOROMETHANE	10.593	83	579609	5.22	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	982090	5.43	PPBV		99
61)	1,4-DIOXANE	10.667	88	155888	5.21	PPBV	#	2
62)	HEPTANE	11.015	43	367798	5.48	PPBV		100
63)	METHYL METHACRYLATE	10.930	69	222562	5.29	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	184975	5.26	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.719	75	412958	5.12	PPBV		99
66)	TOLUENE	12.949	92	470931	5.14	PPBV		100
67)	1,3-DICHLOROPROPANE	12.998	76	404826	5.29	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	365946	4.83	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.600	83	269453	5.22	PPBV		99
71)	2-HEXANONE	13.358	58	262116	5.27	PPBV		99
72)	ETHYL METHACRYLATE	13.383	69	392468	5.31	PPBV		100
73)	TETRACHLOROETHYLENE	14.460	164	365226	5.55	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.499	129	660391	5.33	PPBV		100
75)	1,2-DIBROMOETHANE	13.811	107	518669	5.64	PPBV		100
76)	OCTANE	14.319	43	520317	5.56	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	430775	5.49	PPBV		100
78)	CHLOROBENZENE	15.402	112	713863	5.56	PPBV		99
79)	ETHYLBENZENE	15.952	91	1061200	5.54	PPBV		100
80)	m,p-XYLENE	16.203	106	851106	10.92	PPBV		98
81)	o-XYLENE	16.895	106	420847	5.57	PPBV		100
82)	STYRENE	16.748	104	629370	5.48	PPBV		100
83)	NONANE	17.304	43	559046	5.65	PPBV		100
84)	BROMOFORM	16.283	173	666046	5.39	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	741833	5.66	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	495808	5.62	PPBV		99
88)	ISOPROPYLBENZENE	17.806	105	1216916	5.41	PPBV		100
89)	BROMOBENZENE	17.904	77	587922	5.42	PPBV		100
90)	2-CHLOROTOLUENE	18.540	126	324472	5.26	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	345102	5.46	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	1265802	5.69	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1036803	5.64	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.250	118	525122	5.24	PPBV		100
95)	tert-BUTYLBENZENE	19.605	134	237321	5.48	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1113528	5.62	PPBV		99
97)	m-DICHLOROBENZENE	19.813	146	817473	5.33	PPBV		100
98)	BENZYL CHLORIDE	19.807	91	974591	5.18	PPBV		100
99)	p-DICHLOROBENZENE	19.917	146	819621	5.78	PPBV		100
100)	sec-BUTYLBENZENE	20.015	134	294921	5.70	PPBV		98
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1091752	5.51	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	340447	5.60	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	768393	5.64	PPBV		100
104)	n-BUTYLBENZENE	20.847	134	329180	5.49	PPBV		97
105)	HEXACHLOROETHANE	21.311	117	564398	5.62	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	694231	5.31	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.220	180	675748	5.66	PPBV		99
108)	NAPHTHALENE	22.884	128	1584395	5.64	PPBV		99
110)	TVHC as equiv Pentane	5.210	TIC	1367858	5.66	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

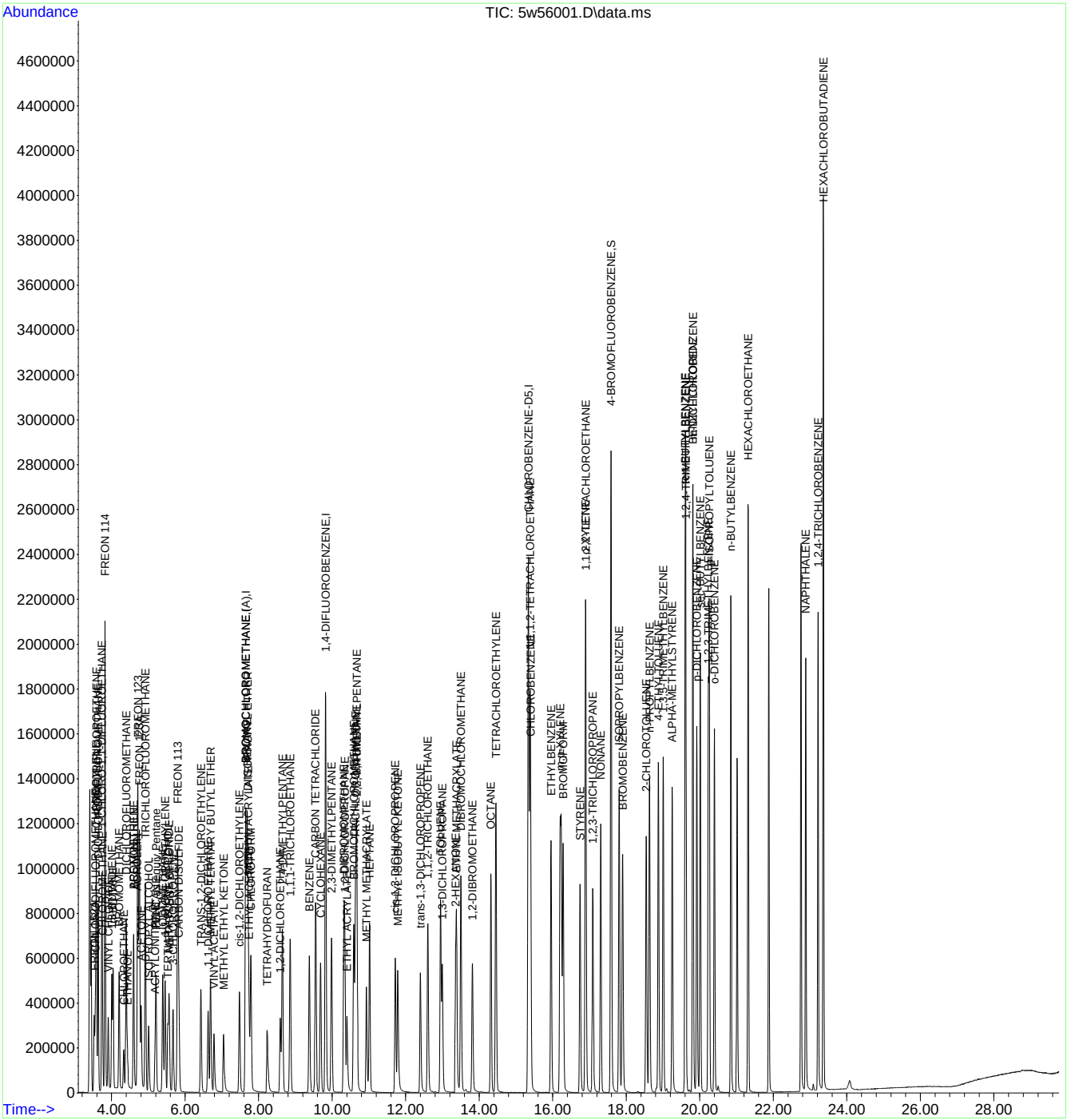
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	422761	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1839130	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	963498	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	422761	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1166724	10.00	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	298738	10.70	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	150918	10.60	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.589	116	746749	10.50	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.637	85	1479774	10.60	PPBV		100
7) PROPYLENE	3.582	41	368919	10.90	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1498517	10.60	PPBV		100
9) FREON 114	3.821	85	2005371	10.99	PPBV		100
10) CHLOROMETHANE	3.754	52	190178	10.39	PPBV		100
11) VINYL CHLORIDE	3.913	62	655318	10.30	PPBV		100
12) 1,3-BUTADIENE	4.011	54	447772	10.80	PPBV		100
13) n-BUTANE	4.047	43	895125	10.80	PPBV		100
14) BROMOMETHANE	4.206	94	696439	10.50	PPBV		100
15) CHLOROETHANE	4.335	64	280517	10.40	PPBV		100
16) DICHLOROFLUOROMETHANE	4.402	67	1444162	10.60	PPBV		100
17) ACETONITRILE	4.598	41	498004	10.10	PPBV		100
18) ACROLEIN	4.690	56	231198	10.50	PPBV		100
19) FREON 123	4.714	83	1571602	10.60	PPBV		100
20) FREON 123A	4.757	117	923738	11.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	4.922	101	1531008	10.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.002	45	777527	10.60	PPBV		100
23) ACETONE	4.800	58	241823	10.30	PPBV		100
24) PENTANE	5.210	42	414960	10.90	PPBV		100
25) IODOMETHANE	5.393	142	1325853	11.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.461	96	411238	10.70	PPBV		100
27) CARBON DISULFIDE	5.828	76	1183086	10.60	PPBV		100
28) ETHANOL	4.433	45	318822	10.20	PPBV		100
29) BROMOETHENE	4.598	106	680782	10.60	PPBV		100
30) ACRYLONITRILE	5.179	52	244700	11.00	PPBV		100
31) METHYLENE CHLORIDE	5.571	84	379289	10.50	PPBV		100
32) 3-CHLOROPROPENE	5.675	76	191153	10.50	PPBV		100
33) FREON 113	5.797	151	757780	10.60	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.433	96	432868	10.50	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.522	59	698387	9.90	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.690	73	1131934	10.80	PPBV		100
37) TETRAHYDROFURAN	8.220	72	188928	10.50	PPBV		100
38) HEXANE	7.687	57	620861	10.80	PPBV		100
39) VINYL ACETATE	6.788	86	76560	10.40	PPBV		100
40) 1,1-DICHLOROETHANE	6.629	63	755460	10.70	PPBV		100
41) METHYL ETHYL KETONE	7.033	72	197254	10.80	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.479	96	463328	10.70	PPBV		100
43) DIISOPROPYL ETHER	7.694	59	187665	10.80	PPBV		100
44) ETHYL ACETATE	7.730	61	140285	10.80	PPBV	#	100
45) METHYL ACRYLATE	7.712	55	773419	10.80	PPBV		100
46) CHLOROFORM	7.791	83	1008146	10.80	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.648	57	709986	10.80	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.862	97	1055519	10.80	PPBV		100
49) CARBON TETRACHLORIDE	9.553	117	1185503	10.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	642533	10.90	PPBV		100
52)	BENZENE	9.382	78	1322291	11.00	PPBV		100
53)	CYCLOHEXANE	9.682	84	537413	10.90	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.988	71	271223	10.80	PPBV		100
55)	TRICHLOROETHYLENE	10.636	95	651555	10.50	PPBV		100
56)	1,2-DICHLOROPROPANE	10.349	63	495856	10.50	PPBV		100
57)	DIBROMOMETHANE	10.324	174	669261	10.50	PPBV		100
58)	ETHYL ACRYLATE	10.398	55	924473	10.70	PPBV		100
59)	BROMODICHLOROMETHANE	10.593	83	1176185	10.50	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	1970368	10.80	PPBV		100
61)	1,4-DIOXANE	10.654	88	316825	10.50	PPBV		100
62)	HEPTANE	11.015	43	744135	11.00	PPBV		100
63)	METHYL METHACRYLATE	10.924	69	462703	10.90	PPBV		100
64)	METHYL ISOBUTYL KETONE	11.774	58	383163	10.80	PPBV		100
65)	cis-1,3-DICHLOROPROPENE	11.719	75	869909	10.70	PPBV		100
66)	TOLUENE	12.949	92	979572	10.60	PPBV		100
67)	1,3-DICHLOROPROPANE	12.998	76	817699	10.60	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	779160	10.20	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.600	83	556460	10.70	PPBV		100
71)	2-HEXANONE	13.346	58	556523	10.60	PPBV		100
72)	ETHYL METHACRYLATE	13.383	69	818718	10.50	PPBV		100
73)	TETRACHLOROETHYLENE	14.460	164	756622	10.90	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.499	129	1371699	10.50	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1068453	11.00	PPBV		100
76)	OCTANE	14.319	43	1075669	10.90	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	893580	10.80	PPBV		100
78)	CHLOROBENZENE	15.402	112	1462615	10.80	PPBV		100
79)	ETHYLBENZENE	15.952	91	2223019	11.00	PPBV		100
80)	m,p-XYLENE	16.228	106	1759365	21.40	PPBV		100
81)	o-XYLENE	16.895	106	869205	10.90	PPBV		100
82)	STYRENE	16.748	104	1332935	11.00	PPBV		100
83)	NONANE	17.304	43	1138299	10.90	PPBV		100
84)	BROMOFORM	16.283	173	1394970	10.70	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1507279	10.90	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	987407	10.60	PPBV		100
88)	ISOPROPYLBENZENE	17.806	105	2518077	10.60	PPBV		100
89)	BROMOBENZENE	17.904	77	1190270	10.40	PPBV		100
90)	2-CHLOROTOLUENE	18.540	126	670614	10.30	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	707147	10.60	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	2559736	10.90	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	2112853	10.90	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.250	118	1100478	10.40	PPBV		100
95)	tert-BUTYLBENZENE	19.611	134	502702	11.00	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2298628	11.00	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1684864	10.40	PPBV		100
98)	BENZYL CHLORIDE	19.807	91	2064361	10.40	PPBV		100
99)	p-DICHLOROBENZENE	19.917	146	1632260	10.90	PPBV		100
100)	sec-BUTYLBENZENE	20.015	134	595022	10.90	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	2238862	10.70	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	693362	10.80	PPBV		100
103)	o-DICHLOROBENZENE	20.400	146	1538697	10.70	PPBV		100
104)	n-BUTYLBENZENE	20.853	134	683987	10.80	PPBV		100
105)	HEXACHLOROETHANE	21.318	117	1165477	11.00	PPBV		100
106)	HEXACHLOROBUTADIENE	23.367	225	1488828	10.80	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.220	180	1373791	10.90	PPBV		100
108)	NAPHTHALENE	22.884	128	3232806	10.90	PPBV		100
110)	TVHC as equiv Pentane	5.210	TIC	2702539	10.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

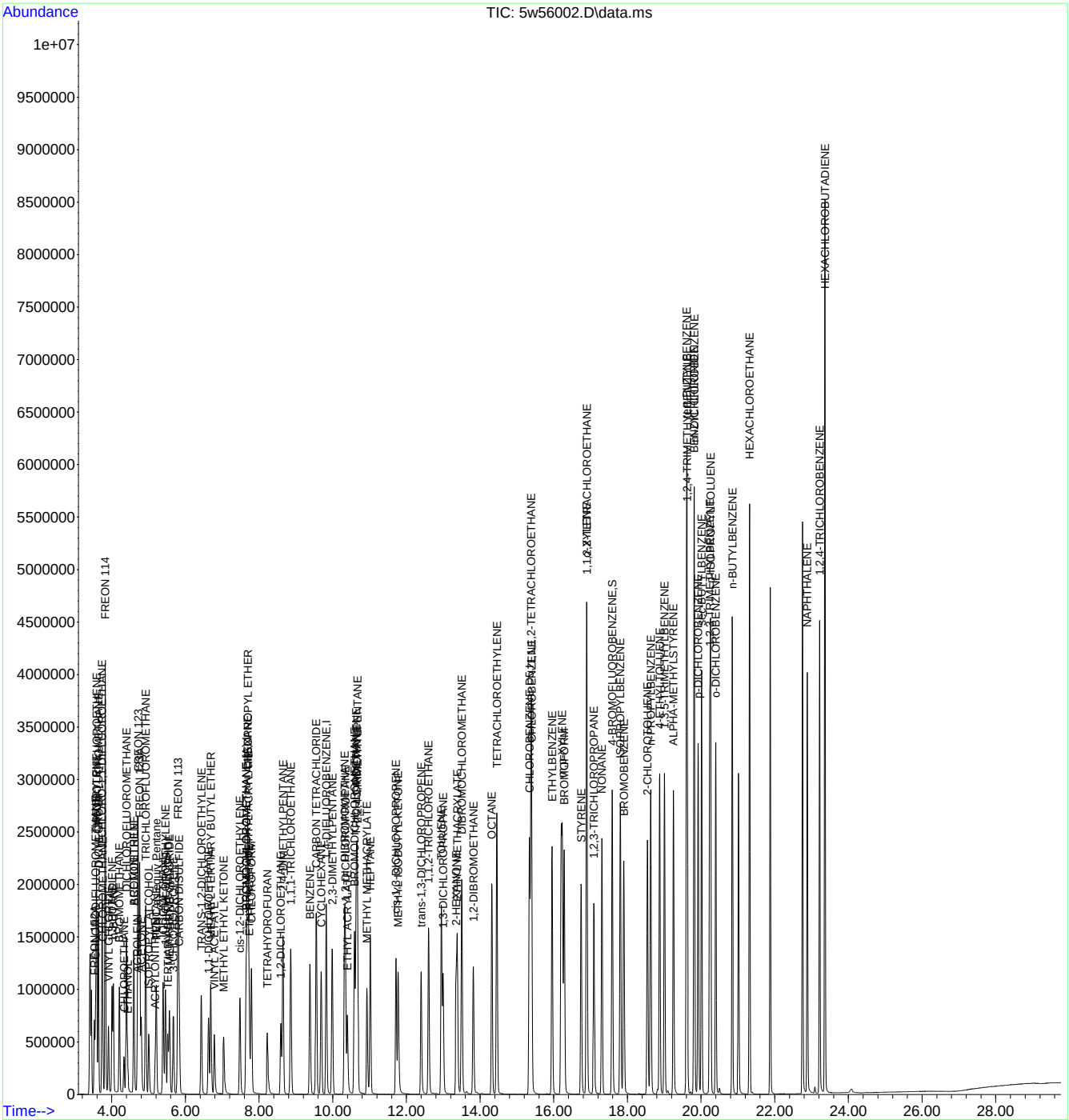
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.657	128	434526	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1816899	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	1045556	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	434526	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1153941	9.11	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 91.10%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	621419	21.65	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	313655	21.43	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.588	116	1572434	21.51	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.637	85	2977330	20.75	PPBV		100
7) PROPYLENE	3.582	41	752019	21.62	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	2895337	19.93	PPBV		99
9) FREON 114	3.821	85	3809279	20.32	PPBV		98
10) CHLOROMETHANE	3.754	52	363893	19.34	PPBV		99
11) VINYL CHLORIDE	3.913	62	1243018	19.01	PPBV		99
12) 1,3-BUTADIENE	4.011	54	850473	19.96	PPBV		100
13) n-BUTANE	4.047	43	1693973	19.89	PPBV		98
14) BROMOMETHANE	4.206	94	1343420	19.71	PPBV		100
15) CHLOROETHANE	4.335	64	542052	19.55	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	2745627	19.61	PPBV		100
17) ACETONITRILE	4.598	41	954367	18.83	PPBV		100
18) ACROLEIN	4.690	56	447716	19.78	PPBV		100
19) FREON 123	4.714	83	3012225	19.77	PPBV		100
20) FREON 123A	4.757	117	1780666	20.63	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.922	101	2946235	19.85	PPBV		99
22) ISOPROPYL ALCOHOL	5.002	45	1528103	20.27	PPBV		99
23) ACETONE	4.800	58	460132	19.07	PPBV		98
24) PENTANE	5.210	42	818760	20.92	PPBV		99
25) IODOMETHANE	5.399	142	2703927	21.83	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.460	96	821443	20.79	PPBV		100
27) CARBON DISULFIDE	5.834	76	2338771	20.39	PPBV		99
28) ETHANOL	4.433	45	593357	18.47	PPBV		100
29) BROMOETHENE	4.598	106	1335979	20.24	PPBV		100
30) ACRYLONITRILE	5.179	52	496198	21.70	PPBV		100
31) METHYLENE CHLORIDE	5.571	84	753199	20.29	PPBV		99
32) 3-CHLOROPROPENE	5.675	76	384693	20.56	PPBV		99
33) FREON 113	5.797	151	1553085	21.14	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.433	96	878068	20.73	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.515	59	1415439	19.52	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.684	73	2319918	21.54	PPBV		99
37) TETRAHYDROFURAN	8.213	72	388102	20.99	PPBV		99
38) HEXANE	7.687	57	1333260	22.56	PPBV		98
39) VINYL ACETATE	6.788	86	167697	22.16	PPBV		95
40) 1,1-DICHLOROETHANE	6.629	63	1531299	21.10	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	404027	21.52	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.479	96	961041	21.59	PPBV		100
43) DIISOPROPYL ETHER	7.693	59	401262	22.47	PPBV		97
44) ETHYL ACETATE	7.724	61	285335	21.37	PPBV	#	96
45) METHYL ACRYLATE	7.712	55	1627351	22.11	PPBV		99
46) CHLOROFORM	7.797	83	2001694	20.86	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.648	57	1455295	21.54	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.862	97	2177580	21.68	PPBV		100
49) CARBON TETRACHLORIDE	9.553	117	2458342	21.79	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	1328594	21.93	PPBV		100
52)	BENZENE	9.382	78	2718148	22.89	PPBV		100
53)	CYCLOHEXANE	9.688	84	1092564	22.43	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.988	71	555668	22.39	PPBV		100
55)	TRICHLOROETHYLENE	10.642	95	1372842	22.39	PPBV		100
56)	1,2-DICHLOROPROPANE	10.348	63	1012028	21.69	PPBV		99
57)	DIBROMOMETHANE	10.324	174	1430206	22.71	PPBV		99
58)	ETHYL ACRYLATE	10.397	55	1893212	22.18	PPBV		100
59)	BROMODICHLOROMETHANE	10.593	83	2414775	21.82	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	3953616	21.93	PPBV		100
61)	1,4-DIOXANE	10.648	88	653956	21.94	PPBV	#	30
62)	HEPTANE	11.021	43	1508202	22.57	PPBV		99
63)	METHYL METHACRYLATE	10.924	69	949209	22.63	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.774	58	793428	22.64	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.719	75	1822087	22.68	PPBV		98
66)	TOLUENE	12.955	92	2050052	22.45	PPBV		99
67)	1,3-DICHLOROPROPANE	12.997	76	1653441	21.69	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	1658062	21.97	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.606	83	1145226	22.29	PPBV		99
71)	2-HEXANONE	13.340	58	1168719	20.51	PPBV		99
72)	ETHYL METHACRYLATE	13.377	69	1691832	19.99	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	1596803	21.20	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.505	129	2871234	20.25	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	2215748	21.02	PPBV		100
76)	OCTANE	14.325	43	2254444	21.05	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	1954709	21.77	PPBV		99
78)	CHLOROBENZENE	15.402	112	3090812	21.03	PPBV		99
79)	ETHYLBENZENE	15.952	91	4614221	21.04	PPBV		100
80)	m,p-XYLENE	16.228	106	3679265	41.24	PPBV		97
81)	o-XYLENE	16.894	106	1859671	21.49	PPBV		98
82)	STYRENE	16.748	104	2810549	21.37	PPBV		100
83)	NONANE	17.310	43	2339892	20.65	PPBV		100
84)	BROMOFORM	16.283	173	2941281	20.79	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	3169455	21.12	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1986091	19.65	PPBV		99
88)	ISOPROPYLBENZENE	17.812	105	5203481	20.19	PPBV		99
89)	BROMOBENZENE	17.904	77	2438548	19.63	PPBV		99
90)	2-CHLOROTOLUENE	18.546	126	1410347	19.96	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	1458040	20.14	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	5289712	20.76	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	4364322	20.75	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.256	118	2316923	20.18	PPBV		100
95)	tert-BUTYLBENZENE	19.611	134	1112078	22.42	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	4901595	21.62	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	3594897	20.45	PPBV		99
98)	BENZYL CHLORIDE	19.813	91	4455917	20.69	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	3378793	20.79	PPBV		100
100)	sec-BUTYLBENZENE	20.014	134	1232823	20.81	PPBV		94
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	4670537	20.57	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	1469746	21.10	PPBV		96
103)	o-DICHLOROBENZENE	20.400	146	3159672	20.25	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	1460466	21.25	PPBV		95
105)	HEXACHLOROETHANE	21.318	117	2569824	22.35	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	3473189	23.22	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.220	180	2919332	21.34	PPBV		99
108)	NAPHTHALENE	22.884	128	6572790	20.42	PPBV		98
110)	TVHC as equiv Pentane	5.210	TIC	5392363	21.16	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

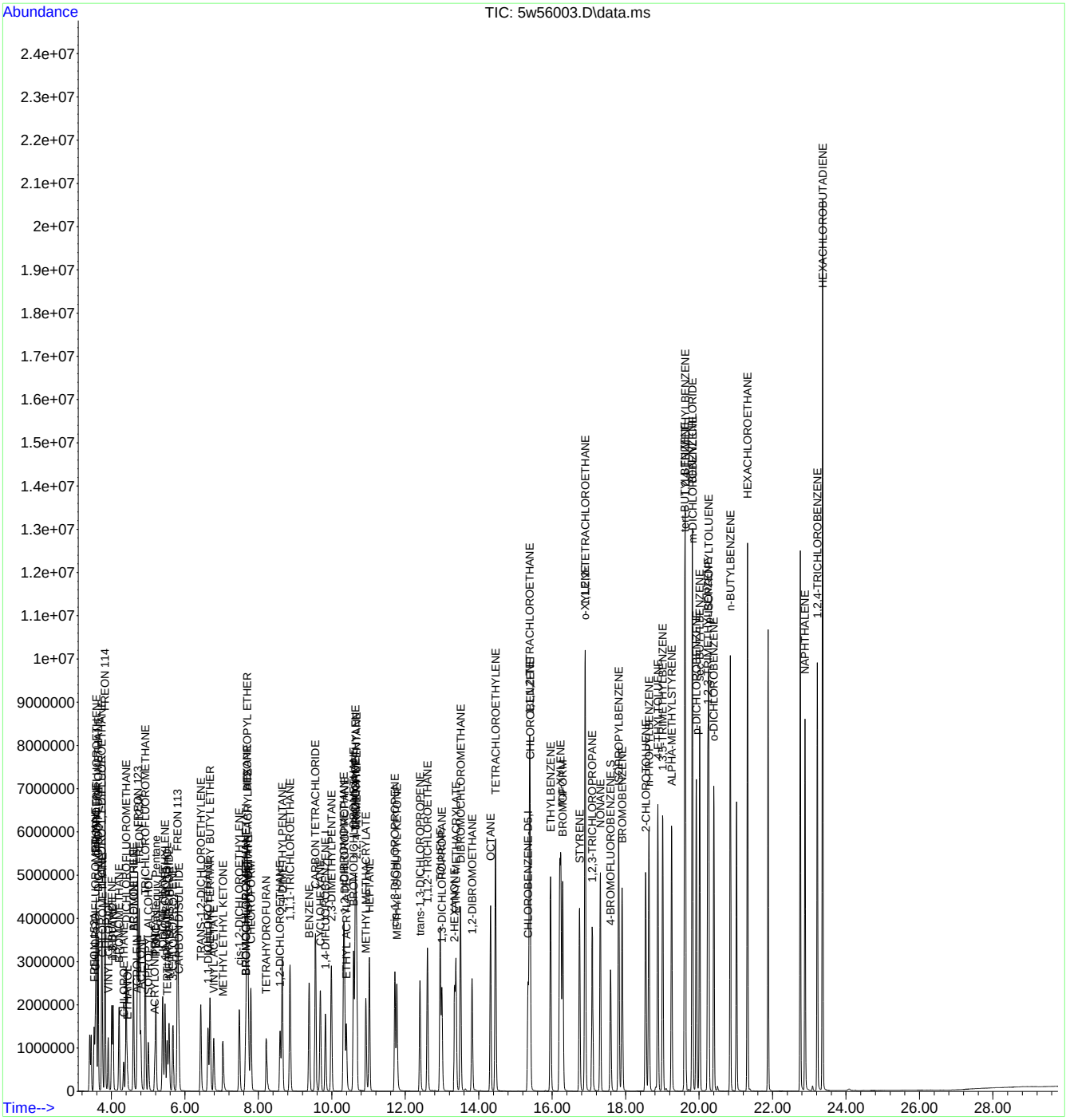
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
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Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	463457	10.00	PPBV		0.01
51) 1,4-DIFLUOROBENZENE	9.828	114	1816263	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	1233579	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	463457	10.00	PPBV	#	0.01
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1182267	7.91	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 79.10%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	1313525	42.92	PPBV		100
4) CHLORODIFLUOROMETHANE	3.564	67	669206	42.88	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.588	116	3303540	42.37	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.637	85	5924521	38.71	PPBV		98
7) PROPYLENE	3.582	41	1545166	41.64	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.741	65	5434243	35.06	PPBV		99
9) FREON 114	3.827	85	6910409	34.56	PPBV		95
10) CHLOROMETHANE	3.754	52	685907	34.18	PPBV		97
11) VINYL CHLORIDE	3.913	62	2325794	33.35	PPBV		99
12) 1,3-BUTADIENE	4.010	54	1615444	35.54	PPBV		99
13) n-BUTANE	4.047	43	3126491	34.41	PPBV		97
14) BROMOMETHANE	4.212	94	2579516	35.48	PPBV		100
15) CHLOROETHANE	4.335	64	1043925	35.30	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	5148208	34.47	PPBV		99
17) ACETONITRILE	4.604	41	1797325	33.25	PPBV		100
18) ACROLEIN	4.696	56	856085	35.47	PPBV		99
19) FREON 123	4.720	83	5649979	34.76	PPBV		99
20) FREON 123A	4.763	117	3396789	36.90	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.922	101	5347861	33.77	PPBV		99
22) ISOPROPYL ALCOHOL	5.008	45	2814813	35.00	PPBV		99
23) ACETONE	4.800	58	854983	33.22	PPBV		98
24) PENTANE	5.216	42	1680798	40.27	PPBV		99
25) IODOMETHANE	5.399	142	5667109	42.89	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.466	96	1686480	40.03	PPBV		99
27) CARBON DISULFIDE	5.834	76	4719896	38.58	PPBV		99
28) ETHANOL	4.439	45	1045319	30.51	PPBV		100
29) BROMOETHENE	4.598	106	2593532	36.84	PPBV		99
30) ACRYLONITRILE	5.185	52	1015671	41.65	PPBV		100
31) METHYLENE CHLORIDE	5.577	84	1513955	38.23	PPBV		99
32) 3-CHLOROPROPENE	5.681	76	786083	39.39	PPBV		99
33) FREON 113	5.803	151	3337642	42.59	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.433	96	1847874	40.91	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.522	59	2802992	36.24	PPBV		99
36) METHYL TERTIARY BUTYL ...	6.684	73	4784081	41.64	PPBV		99
37) TETRAHYDROFURAN	8.213	72	796260	40.37	PPBV		99
38) HEXANE	7.693	57	2975650	47.22	PPBV		94
39) VINYL ACETATE	6.794	86	351807	43.59	PPBV		96
40) 1,1-DICHLOROETHANE	6.635	63	3126939	40.40	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	829209	41.41	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.485	96	2014871	42.45	PPBV		99
43) DIISOPROPYL ETHER	7.699	59	899567	47.22	PPBV	#	89
44) ETHYL ACETATE	7.730	61	602807	42.33	PPBV	#	95
45) METHYL ACRYLATE	7.718	55	3489782	44.45	PPBV		98
46) CHLOROFORM	7.803	83	4050601	39.58	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.654	57	3041808	42.21	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	4577105	42.72	PPBV		99
49) CARBON TETRACHLORIDE	9.553	117	5195370	43.17	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	8.593	62	2783787	43.08	PPBV		99
52) BENZENE	9.388	78	5575931	46.96	PPBV		100
53) CYCLOHEXANE	9.688	84	2227364	45.74	PPBV		100
54) 2,3-DIMETHYLPENTANE	9.994	71	1178604	47.52	PPBV		97
55) TRICHLOROETHYLENE	10.648	95	3029245	49.43	PPBV		99
56) 1,2-DICHLOROPROPANE	10.348	63	2149668	46.09	PPBV		98
57) DIBROMOMETHANE	10.330	174	3216239	51.09	PPBV		97
58) ETHYL ACRYLATE	10.397	55	3866736	45.31	PPBV		100
59) BROMODICHLOROMETHANE	10.599	83	5107482	46.16	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	8140990	45.18	PPBV		99
61) 1,4-DIOXANE	10.648	88	1380216	46.31	PPBV	#	4
62) HEPTANE	11.021	43	3121426	46.72	PPBV		99
63) METHYL METHACRYLATE	10.930	69	1918384	45.76	PPBV		94
64) METHYL ISOBUTYL KETONE	11.774	58	1646344	46.98	PPBV		98
65) cis-1,3-DICHLOROPROPENE	11.725	75	3878154	48.30	PPBV		82
66) TOLUENE	12.955	92	4335330	47.50	PPBV		97
67) 1,3-DICHLOROPROPANE	13.004	76	3351482	43.99	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.404	75	3512148	46.55	PPBV		99
69) 1,1,2-TRICHLOROETHANE	12.606	83	2416703	47.05	PPBV		99
71) 2-HEXANONE	13.346	58	2486289	36.99	PPBV		97
72) ETHYL METHACRYLATE	13.383	69	3557297	35.63	PPBV		99
73) TETRACHLOROETHYLENE	14.460	164	3513468	39.53	PPBV		99
74) DIBROMOCHLOROMETHANE	13.505	129	6133323	36.67	PPBV		99
75) 1,2-DIBROMOETHANE	13.823	107	4715997	37.92	PPBV		100
76) OCTANE	14.325	43	4800379	37.99	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	15.389	131	4417529	41.70	PPBV		99
78) CHLOROBENZENE	15.408	112	6693342	38.60	PPBV		99
79) ETHYLBENZENE	15.958	91	9574223	37.00	PPBV		97
80) m,p-XYLENE	16.240	106	7978307	75.80	PPBV		93
81) o-XYLENE	16.901	106	4144196	40.59	PPBV		94
82) STYRENE	16.748	104	5970343	38.48	PPBV		98
83) NONANE	17.310	43	4905607	36.69	PPBV		98
84) BROMOFORM	16.289	173	6432057	38.53	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	6816037	38.50	PPBV		98
87) 1,2,3-TRICHLOROPROPANE	17.096	75	4119611	34.54	PPBV		98
88) ISOPROPYLBENZENE	17.818	105	10798380	35.50	PPBV		96
89) BROMOBENZENE	17.910	77	5169169	35.28	PPBV		99
90) 2-CHLOROTOLUENE	18.546	126	3059482	36.70	PPBV		100
91) n-PROPYLBENZENE	18.638	120	3133720	36.69	PPBV		99
92) 4-ETHYLTOLUENE	18.877	105	10770860	35.82	PPBV		95
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	9069061	36.54	PPBV		97
94) ALPHA-METHYLSTYRENE	19.256	118	5009441	36.98	PPBV		100
95) tert-BUTYLBENZENE	19.617	134	2514308	42.97	PPBV	#	83
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	10058533	37.60	PPBV		96
97) m-DICHLOROBENZENE	19.825	146	7654903	36.91	PPBV		97
98) BENZYL CHLORIDE	19.819	91	9367441	36.86	PPBV		97
99) p-DICHLOROBENZENE	19.929	146	7096089	37.01	PPBV		98
100) sec-BUTYLBENZENE	20.021	134	2677703	38.31	PPBV	#	76
101) 1,2,3-TRIMETHYLBENZENE	20.241	105	9874415	36.86	PPBV	#	95
102) p-ISOPROPYLTOLUENE	20.265	134	3260667	39.67	PPBV	#	81
103) o-DICHLOROBENZENE	20.406	146	6669438	36.22	PPBV		97
104) n-BUTYLBENZENE	20.859	134	3237040	39.92	PPBV	#	79
105) HEXACHLOROETHANE	21.317	117	5546503	40.89	PPBV		97
106) HEXACHLOROBUTADIENE	23.367	225	7589685	43.00	PPBV		96
107) 1,2,4-TRICHLOROBENZENE	23.226	180	6578217	40.77	PPBV		99
108) NAPHTHALENE	22.890	128	12693881	33.43	PPBV		93
110) TVHC as equiv Pentane	5.210	TIC	10891547	40.07	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

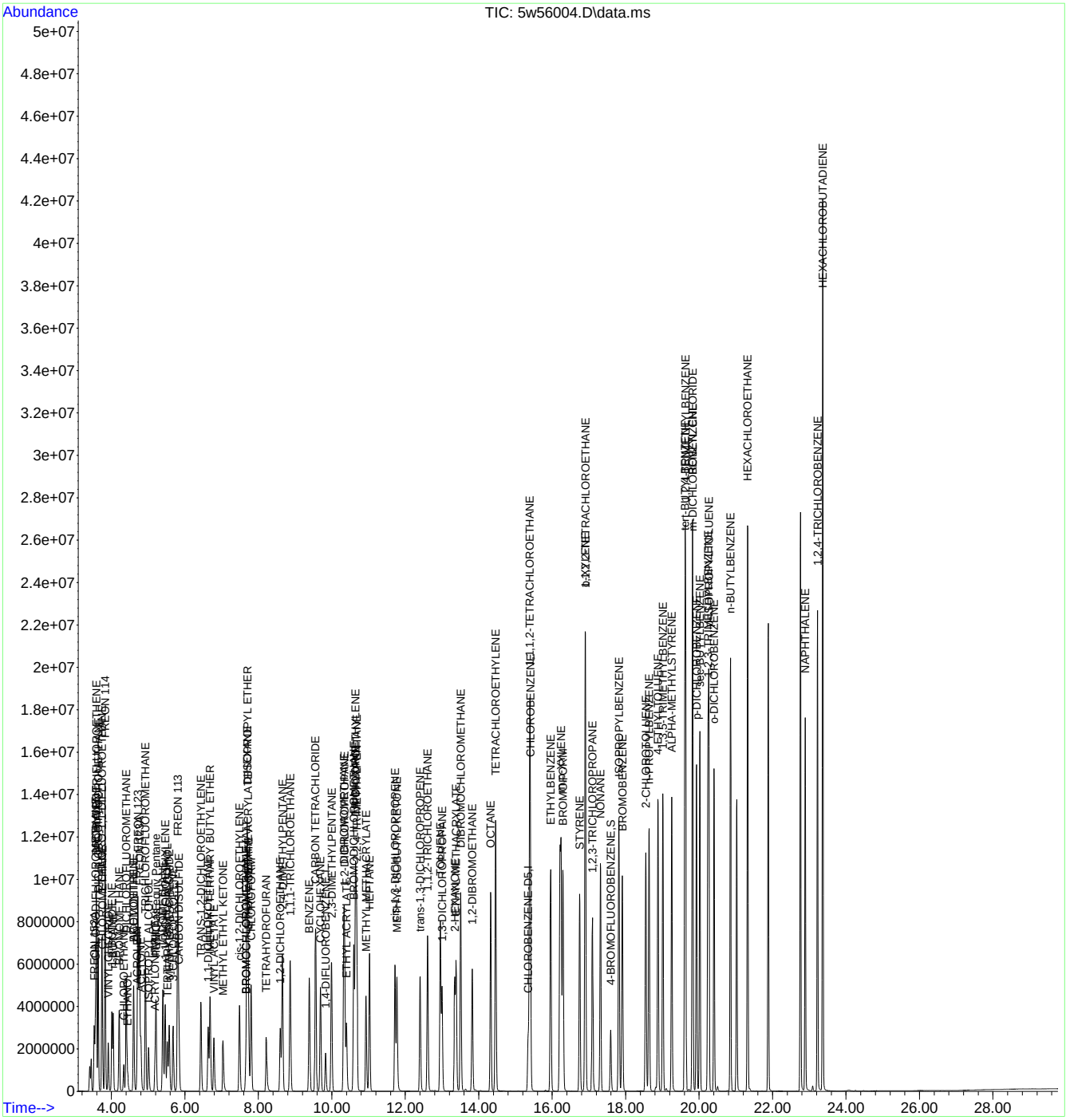
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	497435	10.00	PPBV		0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	1886774	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	1356790	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	497435	10.00	PPBV	#	0.01
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1243016	7.57	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 75.70%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	1749664	53.26	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	897522	53.58	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.589	116	4418612	52.80	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.638	85	7524551	45.81	PPBV		97
7) PROPYLENE	3.582	41	2025072	50.85	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	6709737	40.34	PPBV		98
9) FREON 114	3.821	85	8385821	39.07	PPBV		93
10) CHLOROMETHANE	3.754	52	867377	40.28	PPBV		98
11) VINYL CHLORIDE	3.913	62	2901207	38.75	PPBV		99
12) 1,3-BUTADIENE	4.011	54	2028131	41.57	PPBV		98
13) n-BUTANE	4.047	43	3901013	40.00	PPBV		97
14) BROMOMETHANE	4.213	94	3234642	41.45	PPBV		100
15) CHLOROETHANE	4.335	64	1310686	41.30	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	6364290	39.70	PPBV		99
17) ACETONITRILE	4.604	41	2216393	38.20	PPBV		100
18) ACROLEIN	4.696	56	1070913	41.34	PPBV		99
19) FREON 123	4.714	83	6969297	39.95	PPBV		98
20) FREON 123A	4.757	117	4245728	42.97	PPBV		93
21) TRICHLOROFLUOROMETHANE	4.922	101	7105408	41.81	PPBV		98
22) ISOPROPYL ALCOHOL	5.008	45	3532732	40.93	PPBV		99
23) ACETONE	4.800	58	1064429	38.53	PPBV		96
24) PENTANE	5.210	42	2186622	48.81	PPBV		99
25) IODOMETHANE	5.399	142	7499312	52.88	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.461	96	2210434	48.88	PPBV		98
27) CARBON DISULFIDE	5.834	76	6100461	46.45	PPBV		99
28) ETHANOL	4.439	45	1302028	35.40	PPBV		99
29) BROMOETHENE	4.598	106	3274098	43.33	PPBV		99
30) ACRYLONITRILE	5.185	52	1335961	51.04	PPBV		100
31) METHYLENE CHLORIDE	5.577	84	1953852	45.97	PPBV		99
32) 3-CHLOROPROPENE	5.675	76	1016926	47.47	PPBV		99
33) FREON 113	5.803	151	4499942	53.50	PPBV		97
34) TRANS-1,2-DICHLOROETHY...	6.433	96	2457622	50.69	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.522	59	3477527	41.90	PPBV		99
36) METHYL TERTIARY BUTYL ...	6.684	73	6261123	50.78	PPBV		99
37) TETRAHYDROFURAN	8.214	72	1048188	49.51	PPBV		98
38) HEXANE	7.694	57	3906208	57.75	PPBV		92
39) VINYL ACETATE	6.794	86	462885	53.44	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.635	63	4088054	49.21	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	1087644	50.61	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.486	96	2672106	52.45	PPBV		98
43) DIISOPROPYL ETHER	7.700	59	1186878	58.05	PPBV	#	84
44) ETHYL ACETATE	7.730	61	784784	51.35	PPBV	#	94
45) METHYL ACRYLATE	7.718	55	4530336	53.76	PPBV		98
46) CHLOROFORM	7.804	83	5279616	48.07	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.654	57	4017217	51.93	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	6061383	52.71	PPBV		99
49) CARBON TETRACHLORIDE	9.553	117	6881483	53.28	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.593	62	3699368	53.34	PPBV		99
52)	BENZENE	9.388	78	7301089	59.20	PPBV		99
53)	CYCLOHEXANE	9.688	84	2934434	58.01	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.994	71	1566174	60.78	PPBV		96
55)	TRICHLOROETHYLENE	10.648	95	4030473	63.31	PPBV		100
56)	1,2-DICHLOROPROPANE	10.355	63	2813295	58.06	PPBV		98
57)	DIBROMOMETHANE	10.330	174	4403598	67.34	PPBV		95
58)	ETHYL ACRYLATE	10.404	55	5009422	56.51	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	6768241	58.89	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	10419434	55.66	PPBV		98
61)	1,4-DIOXANE	10.648	88	1832277	59.18	PPBV	#	1
62)	HEPTANE	11.028	43	4076581	58.73	PPBV		98
63)	METHYL METHACRYLATE	10.930	69	2529551	58.08	PPBV		95
64)	METHYL ISOBUTYL KETONE	11.774	58	2175500	59.76	PPBV		95
65)	cis-1,3-DICHLOROPROPENE	11.725	75	5144419	61.67	PPBV		82
66)	TOLUENE	12.955	92	5758163	60.73	PPBV		95
67)	1,3-DICHLOROPROPANE	13.004	76	4399651	55.59	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	4674960	59.65	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.606	83	3208086	60.12	PPBV		99
71)	2-HEXANONE	13.346	58	3288192	44.48	PPBV		94
72)	ETHYL METHACRYLATE	13.383	69	4663618	42.47	PPBV		99
73)	TETRACHLOROETHYLENE	14.466	164	4734534	48.44	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.505	129	8078960	43.91	PPBV		98
75)	1,2-DIBROMOETHANE	13.823	107	6285538	45.95	PPBV		100
76)	OCTANE	14.331	43	6220766	44.76	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	5897106	50.61	PPBV		99
78)	CHLOROBENZENE	15.408	112	8787014	46.08	PPBV		99
79)	ETHYLBENZENE	15.959	91	12382680	43.51	PPBV		95
80)	m,p-XYLENE	16.240	106	10634363	91.86	PPBV		89
81)	o-XYLENE	16.907	106	5460474	48.63	PPBV		92
82)	STYRENE	16.748	104	7952309	46.60	PPBV		98
83)	NONANE	17.317	43	6343459	43.14	PPBV		97
84)	BROMOFORM	16.295	173	8534379	46.49	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	8688540	44.62	PPBV		97
87)	1,2,3-TRICHLOROPROPANE	17.096	75	5426568	41.37	PPBV		96
88)	ISOPROPYLBENZENE	17.818	105	13921490	41.62	PPBV		94
89)	BROMOBENZENE	17.910	77	6792368	42.15	PPBV		96
90)	2-CHLOROTOLUENE	18.546	126	4153269	45.30	PPBV		99
91)	n-PROPYLBENZENE	18.638	120	4184437	44.54	PPBV		99
92)	4-ETHYLTOLUENE	18.883	105	13700466	41.43	PPBV		92
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	11622862	42.58	PPBV		94
94)	ALPHA-METHYLSTYRENE	19.256	118	6681294	44.84	PPBV		99
95)	tert-BUTYLBENZENE	19.617	134	3324681	51.66	PPBV	#	76
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	12484321	42.43	PPBV		93
97)	m-DICHLOROBENZENE	19.825	146	9874832	43.28	PPBV		96
98)	BENZYL CHLORIDE	19.819	91	11671042	41.75	PPBV		94
99)	p-DICHLOROBENZENE	19.929	146	9204051	43.65	PPBV		96
100)	sec-BUTYLBENZENE	20.021	134	3558456	46.29	PPBV	#	64
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	12487851	42.38	PPBV	#	92
102)	p-ISOPROPYLTOLUENE	20.272	134	4287515	47.43	PPBV	#	72
103)	o-DICHLOROBENZENE	20.412	146	8710849	43.02	PPBV		96
104)	n-BUTYLBENZENE	20.859	134	4311237	48.34	PPBV	#	67
105)	HEXACHLOROETHANE	21.318	117	7025634	47.09	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	9570477	49.30	PPBV		95
107)	1,2,4-TRICHLOROBENZENE	23.226	180	8724184	49.16	PPBV		97
108)	NAPHTHALENE	22.890	128	15541142	37.21	PPBV		89
110)	TVHC as equiv Pentane	5.210	TIC	14211123	48.71	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

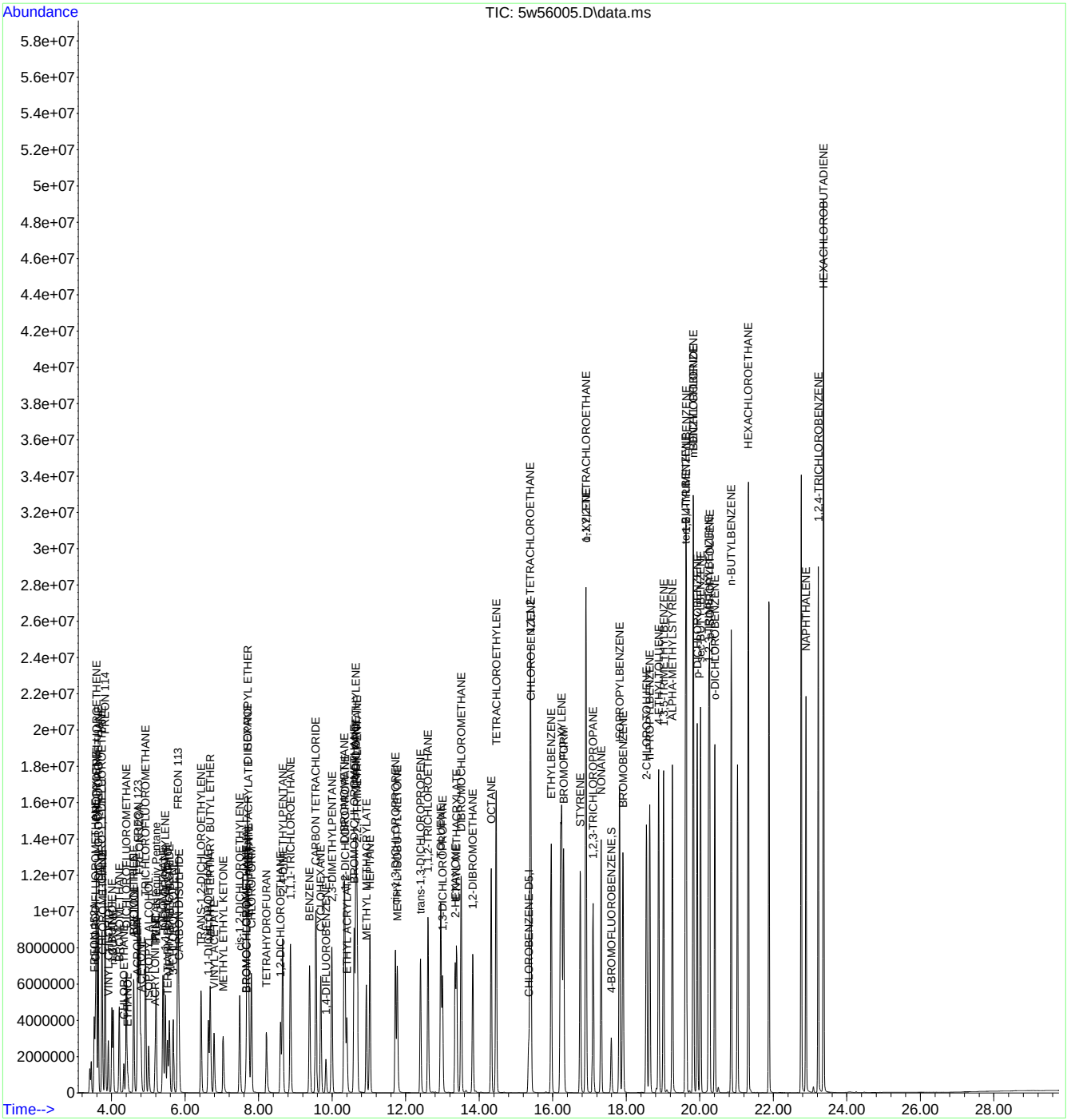
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/09/25 21:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.645	128	456086	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	2018572	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.334	82	942297	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.645	128	456086	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.580	95	1217626	10.97	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.70%				
Target Compounds							Qvalue
3) FREON 152A	3.521	65	15241	0.47	PPBV		99
4) CHLORODIFLUOROMETHANE	3.558	67	7516	0.51	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.582	116	36308	0.48	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.631	85	76211	0.52	PPBV		99
7) PROPYLENE	3.582	41	18531	0.51	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	80285	0.54	PPBV		99
9) FREON 114	3.821	85	111275	0.59	PPBV		98
10) CHLOROMETHANE	3.754	52	10154	0.51	PPBV		96
11) VINYL CHLORIDE	3.907	62	36603	0.55	PPBV		100
12) 1,3-BUTADIENE	4.004	54	24018	0.53	PPBV		96
13) n-BUTANE	4.041	43	51604	0.55	PPBV	#	93
14) BROMOMETHANE	4.206	94	38353	0.53	PPBV		96
15) CHLOROETHANE	4.329	64	16659	0.55	PPBV		95
16) DICHLOROFLUOROMETHANE	4.396	67	82529	0.56	PPBV		99
17) ACETONITRILE	4.610	41	28690	0.52	PPBV		89
18) ACROLEIN	4.702	56	14976	0.62	PPBV		99
19) FREON 123	4.714	83	88981	0.56	PPBV		100
20) FREON 123A	4.757	117	52204	0.58	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.916	101	99789	0.63	PPBV		99
22) ISOPROPYL ALCOHOL	5.038	45	53360	0.61	PPBV		96
23) ACETONE	4.824	58	15980	0.59	PPBV		92
24) PENTANE	5.204	42	22387	0.52	PPBV		99
25) IODOMETHANE	5.393	142	68274	0.54	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.454	96	22110	0.53	PPBV		99
27) CARBON DISULFIDE	5.828	76	63938	0.54	PPBV		98
28) ETHANOL	4.445	45	24515m	0.74	PPBV		
29) BROMOETHENE	4.598	106	37784	0.55	PPBV		99
30) ACRYLONITRILE	5.197	52	12681	0.49	PPBV		96
31) METHYLENE CHLORIDE	5.564	84	22291	0.54	PPBV		97
32) 3-CHLOROPROPENE	5.668	76	9582	0.53	PPBV		85
33) FREON 113	5.797	151	41134	0.53	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.427	96	22768	0.52	PPBV		98
35) TERTIARY BUTYL ALCOHOL	5.577	59	35853	0.50	PPBV		93
36) METHYL TERTIARY BUTYL ...	6.727	73	54188	0.52	PPBV		95
37) TETRAHYDROFURAN	8.293	72	8029	0.48	PPBV		92
38) HEXANE	7.687	57	29355	0.50	PPBV		96
39) VINYL ACETATE	6.813	86	2248	0.33	PPBV	#	12
40) 1,1-DICHLOROETHANE	6.623	63	40524	0.54	PPBV		98
41) METHYL ETHYL KETONE	7.094	72	8268	0.49	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.473	96	24279	0.51	PPBV		96
43) DIISOPROPYL ETHER	7.718	59	8754	0.50	PPBV		97
44) ETHYL ACETATE	7.767	61	6023	0.47	PPBV	#	70
45) METHYL ACRYLATE	7.755	55	30525m	0.43	PPBV		
46) CHLOROFORM	7.785	83	53854	0.54	PPBV		90
47) 2,4-DIMETHYLPENTANE	8.648	57	32508	0.51	PPBV		93
48) 1,1,1-TRICHLOROETHANE	8.856	97	54755	0.53	PPBV		100
49) CARBON TETRACHLORIDE	9.547	117	58733	0.51	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	32842	0.54	PPBV		100
52)	BENZENE	9.382	78	66179	0.51	PPBV		99
53)	CYCLOHEXANE	9.682	84	25254	0.49	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.981	71	12636	0.48	PPBV		89
55)	TRICHLOROETHYLENE	10.636	95	34247	0.49	PPBV		95
56)	1,2-DICHLOROPROPANE	10.349	63	25751	0.49	PPBV		96
57)	DIBROMOMETHANE	10.324	174	33642	0.45	PPBV		99
58)	ETHYL ACRYLATE	10.446	55	33016	0.38	PPBV		96
59)	BROMODICHLOROMETHANE	10.593	83	59207	0.48	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	94646	0.50	PPBV		98
61)	1,4-DIOXANE	10.728	88	15343	0.49	PPBV	#	1
62)	HEPTANE	11.015	43	35336	0.52	PPBV		98
63)	METHYL METHACRYLATE	10.960	69	19501	0.47	PPBV	#	72
64)	METHYL ISOBUTYL KETONE	11.835	58	13893	0.38	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.725	75	37941	0.47	PPBV		99
66)	TOLUENE	12.955	92	44324	0.47	PPBV		97
67)	1,3-DICHLOROPROPANE	13.004	76	40416	0.51	PPBV	#	98
68)	trans-1,3-DICHLOROPROPENE	12.410	75	31186	0.40	PPBV		93
69)	1,1,2-TRICHLOROETHANE	12.606	83	27279	0.49	PPBV		99
71)	2-HEXANONE	13.407	58	19233	0.45	PPBV		92
72)	ETHYL METHACRYLATE	13.407	69	28149	0.44	PPBV		92
73)	TETRACHLOROETHYLENE	14.454	164	37479	0.56	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.499	129	60963	0.52	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	49397	0.57	PPBV		99
76)	OCTANE	14.325	43	43853	0.53	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	41997	0.53	PPBV		99
78)	CHLOROBENZENE	15.402	112	72039	0.55	PPBV		99
79)	ETHYLBENZENE	15.958	91	93974	0.55	PPBV		98
80)	m,p-XYLENE	16.234	106	74422	1.08	PPBV		96
81)	o-XYLENE	16.901	106	37090	0.55	PPBV		98
82)	STYRENE	16.754	104	46145	0.47	PPBV		97
83)	NONANE	17.304	43	46521	0.55	PPBV		100
84)	BROMOFORM	16.289	173	60883	0.53	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	72801	0.57	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.096	75	51055	0.58	PPBV		100
88)	ISOPROPYLBENZENE	17.812	105	110859	0.54	PPBV		98
89)	BROMOBENZENE	17.910	77	57149	0.54	PPBV		99
90)	2-CHLOROTOLUENE	18.552	126	27937	0.49	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	29368	0.53	PPBV		98
92)	4-ETHYLTOLUENE	18.883	105	102867	0.53	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	91963	0.57	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.262	118	40082	0.47	PPBV		100
95)	tert-BUTYLBENZENE	19.605	134	19550	0.50	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	97153	0.55	PPBV		95
97)	m-DICHLOROBENZENE	19.819	146	79112	0.54	PPBV		97
98)	BENZYL CHLORIDE	19.813	91	77001	0.47	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	81678	0.59	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	25272	0.54	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	97314	0.56	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	30867	0.55	PPBV		97
103)	o-DICHLOROBENZENE	20.406	146	81480	0.61	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	26648	0.50	PPBV		90
105)	HEXACHLOROETHANE	21.318	117	50091	0.53	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	65013	0.50	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.226	180	83432	0.62	PPBV		100
108)	NAPHTHALENE	22.890	128	202362	0.68	PPBV		99
110)	TVHC as equiv Pentane	5.204	TIC	147270	0.54	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration

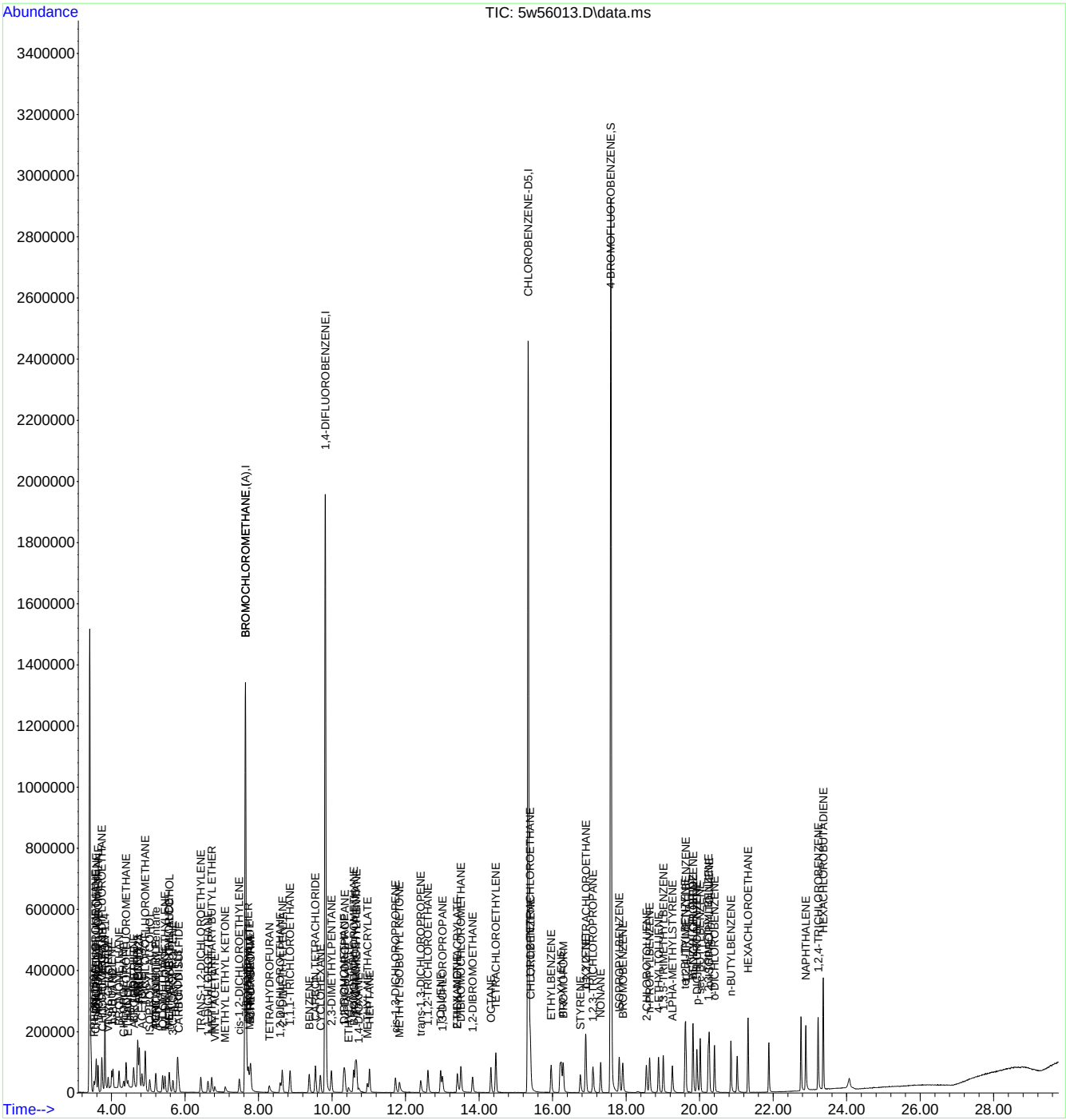
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration



Manual Integration Approval Summary

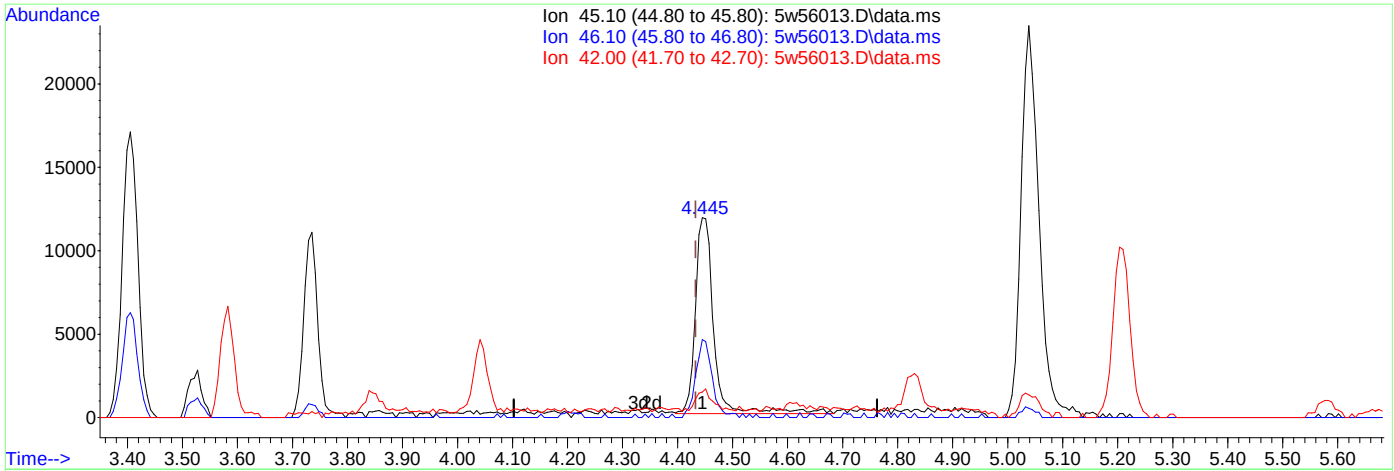
Sample Number: V5W2144-IC2144
Lab FileID: 5W56013.D
Injection Time: 01/09/25 15:02
Method: TO-15
Analyst approved: 01/09/25 17:26 Thomas Hilbig
Supervisor approved: 01/09/25 21:50 Kanya Veerawat

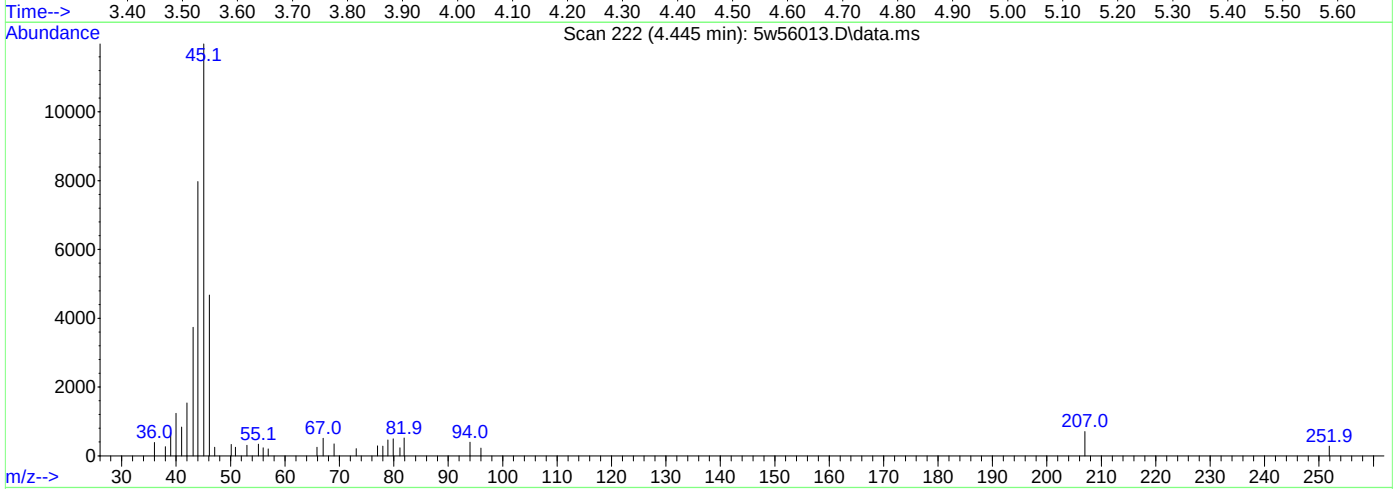
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		4.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration





TIC: 5w56013.D\data.ms

(28) ETHANOL

4.445min (+0.012) 0.82PPBV

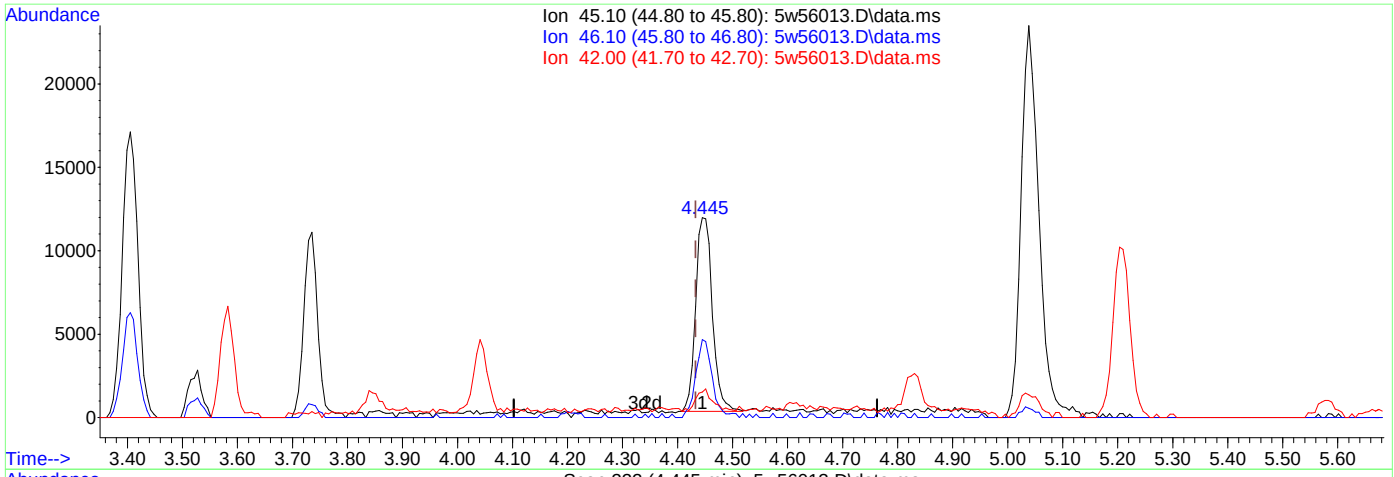
response 27395

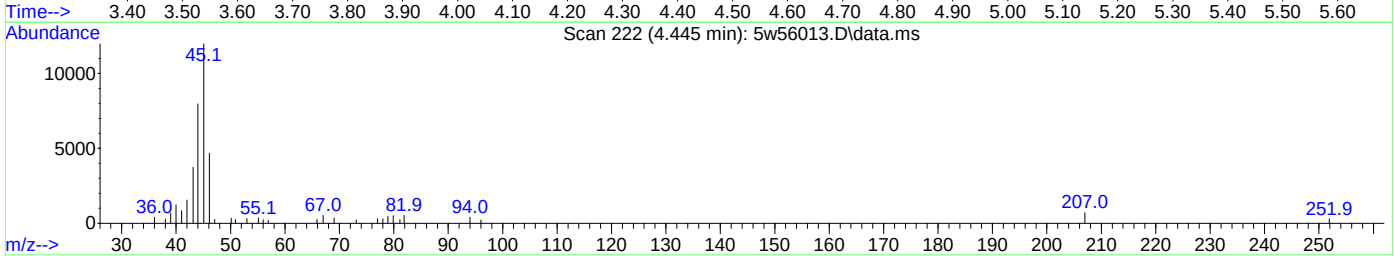
Ion	Exp%	Act%
45.10	100	100
46.10	34.80	35.66
42.00	8.60	9.51
0.00	0.00	0.00

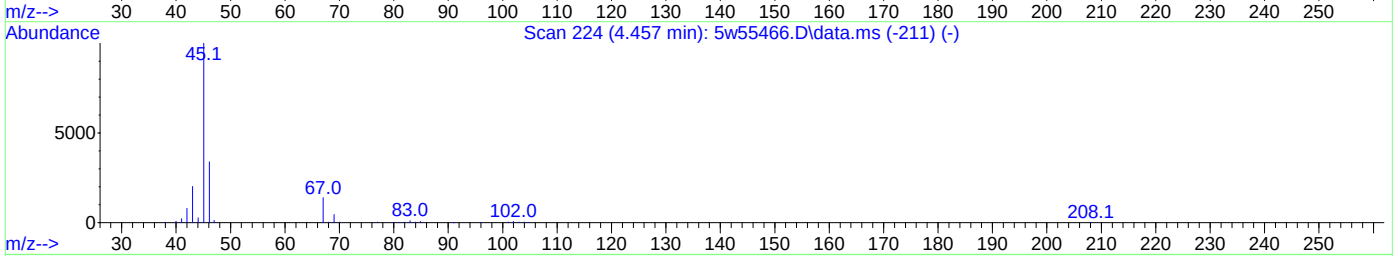
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration







TIC: 5w56013.D\data.ms

(28) ETHANOL

4.445min (+0.012) 0.74PPBV m

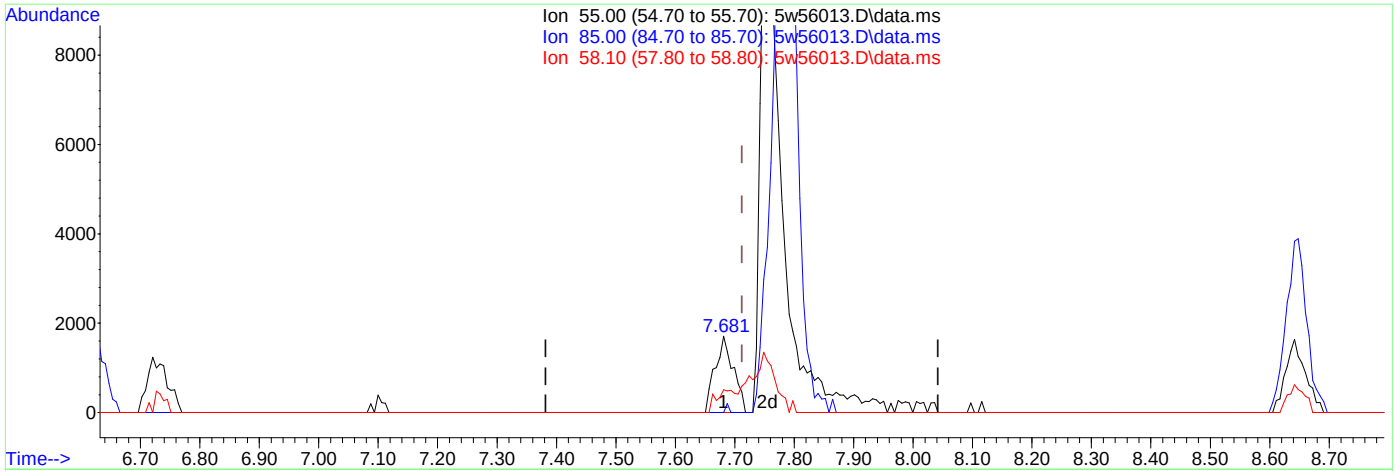
response 24515

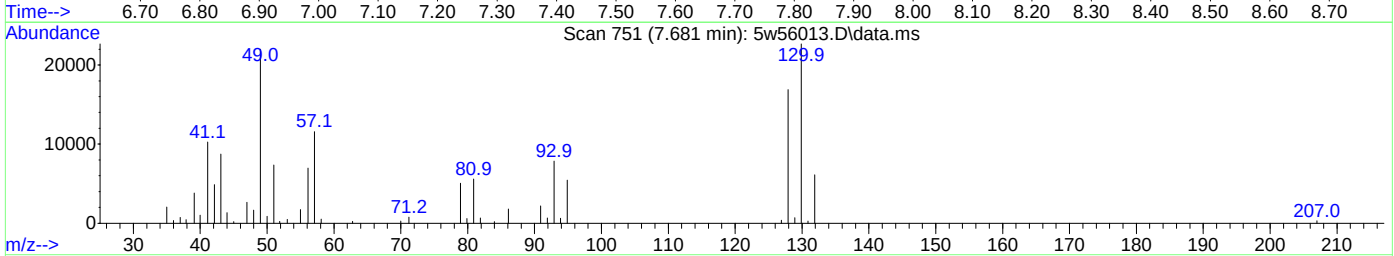
Ion	Exp%	Act%
45.10	100	100
46.10	34.80	39.84
42.00	8.60	10.63
0.00	0.00	0.00

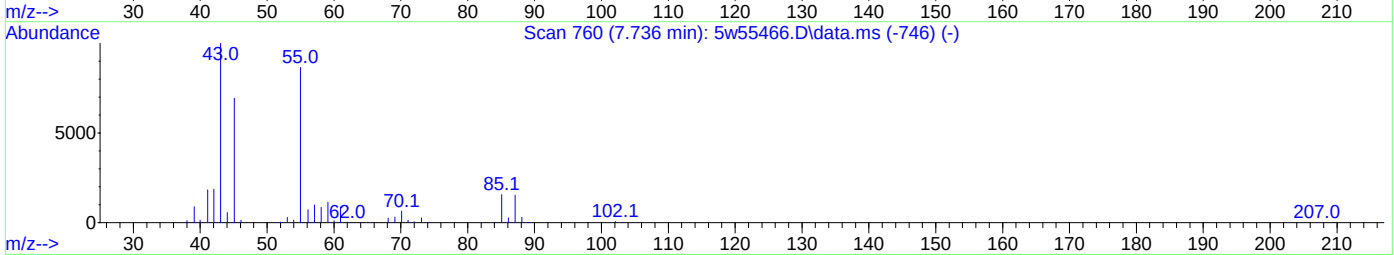
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration







TIC: 5w56013.D\data.ms

(45) METHYL ACRYLATE

7.681min (-0.031) 0.05PPBV

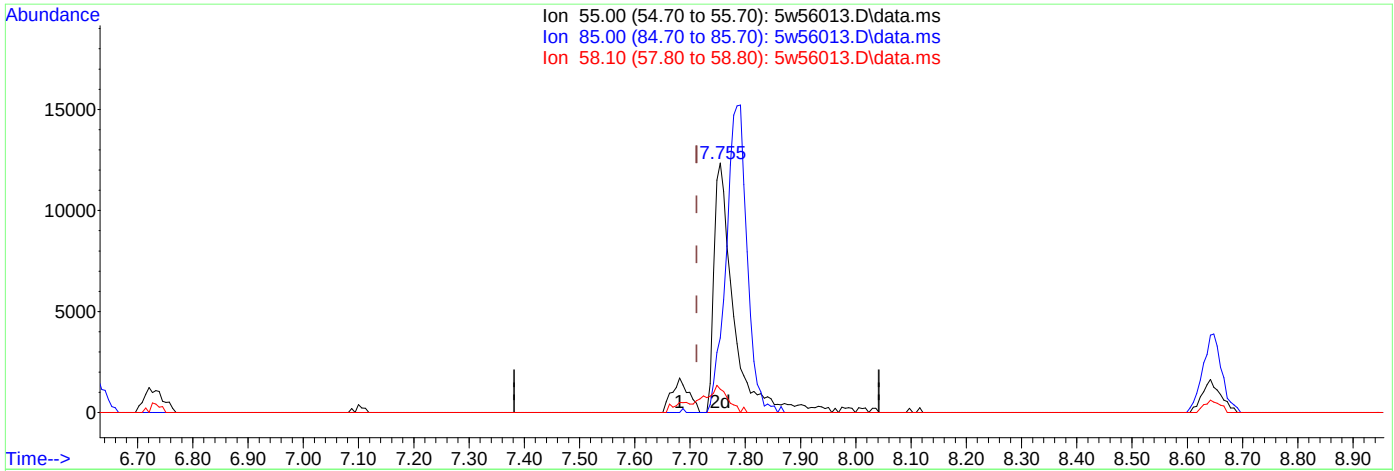
response 3642

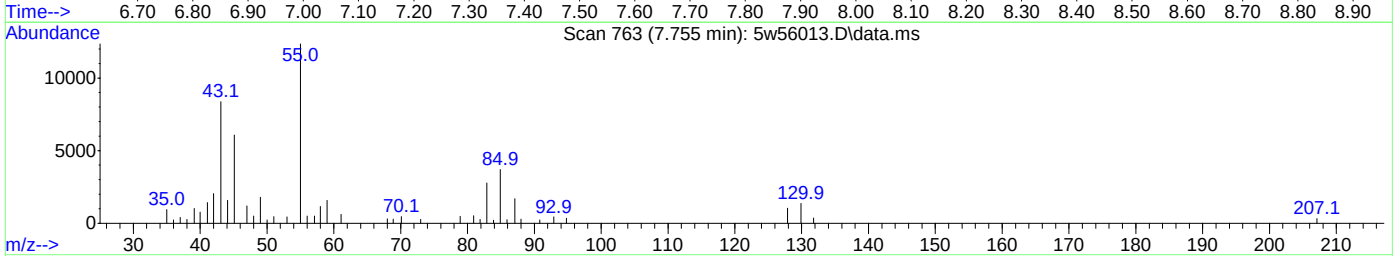
Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	33.99#
0.00	0.00	0.00

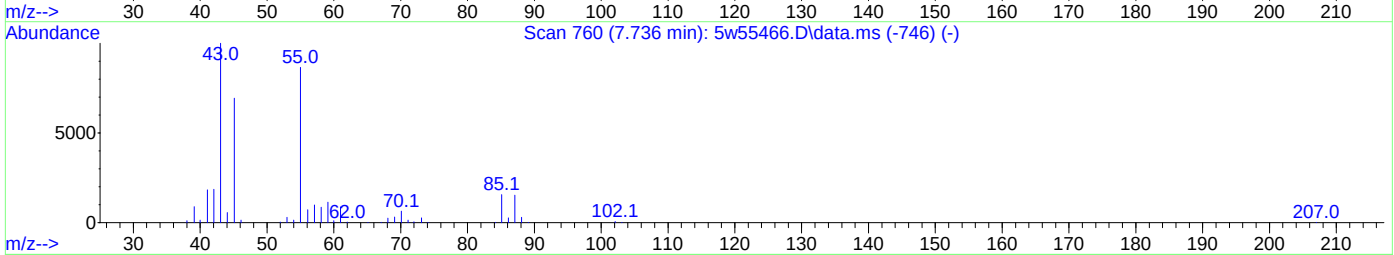
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration







TIC: 5w56013.D\data.ms

(45) METHYL ACRYLATE

7.755min (+0.043) 0.43PPBV m

response 30525

Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	4.06#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.657	128	414799	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1807166	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	948197	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	414799	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1154701	10.34	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 103.40%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	289227	9.84	PPBV		99
4) CHLORODIFLUOROMETHANE	3.564	67	145482	10.90	PPBV		97
5) CHLOROTRIFLUOROETHENE	3.588	116	717923	10.55	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.637	85	1428178	10.81	PPBV		99
7) PROPYLENE	3.582	41	351523	10.58	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.741	65	1452477	10.82	PPBV		100
9) FREON 114	3.827	85	1964258	11.42	PPBV		100
10) CHLOROMETHANE	3.754	52	183601	10.15	PPBV		96
11) VINYL CHLORIDE	3.913	62	635896	10.39	PPBV		99
12) 1,3-BUTADIENE	4.010	54	433278	10.58	PPBV		99
13) n-BUTANE	4.047	43	884387	10.31	PPBV		100
14) BROMOMETHANE	4.212	94	679544	10.33	PPBV		100
15) CHLOROETHANE	4.335	64	276572	10.00	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	1440521	10.75	PPBV		100
17) ACETONITRILE	4.598	41	510952	10.26	PPBV		100
18) ACROLEIN	4.696	56	236797	10.75	PPBV		99
19) FREON 123	4.714	83	1504243	10.39	PPBV		98
20) FREON 123A	4.757	117	832752	10.20	PPBV		99
21) TRICHLOROFLUOROMETHANE	4.922	101	1628930	11.20	PPBV		100
22) ISOPROPYL ALCOHOL	5.008	45	795358	10.35	PPBV		99
23) ACETONE	4.800	58	241144	9.76	PPBV		100
24) PENTANE	5.210	42	405457	10.44	PPBV		99
25) IODOMETHANE	5.399	142	1277549	11.15	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.460	96	402593	10.54	PPBV		100
27) CARBON DISULFIDE	5.834	76	1232259	11.53	PPBV		100
28) ETHANOL	4.433	45	262756	8.81	PPBV		99
29) BROMOETHENE	4.598	106	663348	10.65	PPBV		99
30) ACRYLONITRILE	5.185	52	243515	10.51	PPBV		99
31) METHYLENE CHLORIDE	5.570	84	381826	10.16	PPBV		100
32) 3-CHLOROPROPENE	5.674	76	186992	11.37	PPBV		98
33) FREON 113	5.797	151	758044	10.68	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.433	96	430829	10.75	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.522	59	758894	11.73	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.690	73	1109262	11.66	PPBV		100
37) TETRAHYDROFURAN	8.226	72	187579	12.41	PPBV		99
38) HEXANE	7.687	57	599216	11.08	PPBV		100
39) VINYL ACETATE	6.788	86	77821	12.73	PPBV		99
40) 1,1-DICHLOROETHANE	6.629	63	736903	10.78	PPBV		99
41) METHYL ETHYL KETONE	7.039	72	191185	12.50	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.479	96	452352	10.39	PPBV		99
43) DIISOPROPYL ETHER	7.699	59	182415	11.28	PPBV		99
44) ETHYL ACETATE	7.730	61	138032	11.95	PPBV	#	99
45) METHYL ACRYLATE	7.718	55	768621	11.94	PPBV		99
46) CHLOROFORM	7.797	83	1013419	11.10	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.648	57	693520	11.91	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.862	97	1057653	11.19	PPBV		100
49) CARBON TETRACHLORIDE	9.553	117	1154512	11.07	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.593	62	632294	11.36	PPBV		100
52)	BENZENE	9.382	78	1307052	11.20	PPBV		99
53)	CYCLOHEXANE	9.688	84	521326	11.45	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.987	71	263997	11.29	PPBV		100
55)	TRICHLOROETHYLENE	10.642	95	639549	10.27	PPBV		100
56)	1,2-DICHLOROPROPANE	10.348	63	487681	10.40	PPBV		99
57)	DIBROMOMETHANE	10.324	174	668080	9.97	PPBV		99
58)	ETHYL ACRYLATE	10.397	55	918706	11.94	PPBV		100
59)	BROMODICHLOROMETHANE	10.593	83	1165557	10.59	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	1912600	11.40	PPBV		100
61)	1,4-DIOXANE	10.660	88	300368	10.89	PPBV	#	58
62)	HEPTANE	11.015	43	721875	11.79	PPBV		99
63)	METHYL METHACRYLATE	10.923	69	458096	12.41	PPBV		100
64)	METHYL ISOBUTYL KETONE	11.780	58	379009	11.86	PPBV		100
65)	cis-1,3-DICHLOROPROPENE	11.719	75	802724	11.11	PPBV		99
66)	TOLUENE	12.955	92	957244	11.35	PPBV		100
67)	1,3-DICHLOROPROPANE	12.997	76	818803	11.63	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	767637	10.99	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.600	83	554950	11.21	PPBV		100
71)	2-HEXANONE	13.346	58	551156	12.98	PPBV		99
72)	ETHYL METHACRYLATE	13.383	69	831857	12.92	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	756429	11.31	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.499	129	1377497	11.76	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1065269	12.21	PPBV		100
76)	OCTANE	14.319	43	1054891	12.69	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	890077	11.28	PPBV		100
78)	CHLOROBENZENE	15.402	112	1445763	11.08	PPBV		100
79)	ETHYLBENZENE	15.952	91	2201691	12.75	PPBV		99
80)	m,p-XYLENE	16.228	106	1741866	25.17	PPBV		99
81)	o-XYLENE	16.894	106	860563	12.79	PPBV		99
82)	STYRENE	16.741	104	1291901	13.17	PPBV		100
83)	NONANE	17.304	43	1118648	13.08	PPBV		100
84)	BROMOFORM	16.283	173	1378793	12.04	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1537996	11.97	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1008586	11.45	PPBV		100
88)	ISOPROPYLBENZENE	17.806	105	2517153	12.22	PPBV		100
89)	BROMOBENZENE	17.904	77	1216902	11.51	PPBV		100
90)	2-CHLOROTOLUENE	18.540	126	686676	12.07	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	706248	12.87	PPBV		100
92)	4-ETHYLTOLUENE	18.876	105	2534679	12.99	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	2112295	13.16	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	1064001	12.38	PPBV		100
95)	tert-BUTYLBENZENE	19.611	134	510851	12.98	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2316065	13.25	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1729853	11.91	PPBV		100
98)	BENZYL CHLORIDE	19.806	91	2252446	13.17	PPBV		100
99)	p-DICHLOROBENZENE	19.916	146	1652733	12.10	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	604242	12.84	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	2267786	13.19	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	717149	12.85	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1565945	11.81	PPBV		100
104)	n-BUTYLBENZENE	20.852	134	689513	13.05	PPBV		100
105)	HEXACHLOROETHANE	21.311	117	1088044	11.50	PPBV		99
106)	HEXACHLOROBUTADIENE	23.349	225	1542754	12.08	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.208	180	1456412	11.83	PPBV		99
108)	NAPHTHALENE	22.865	128	3623116	13.66	PPBV		100
110)	TVHC as equiv Pentane	5.210	TIC	2587203	10.65	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

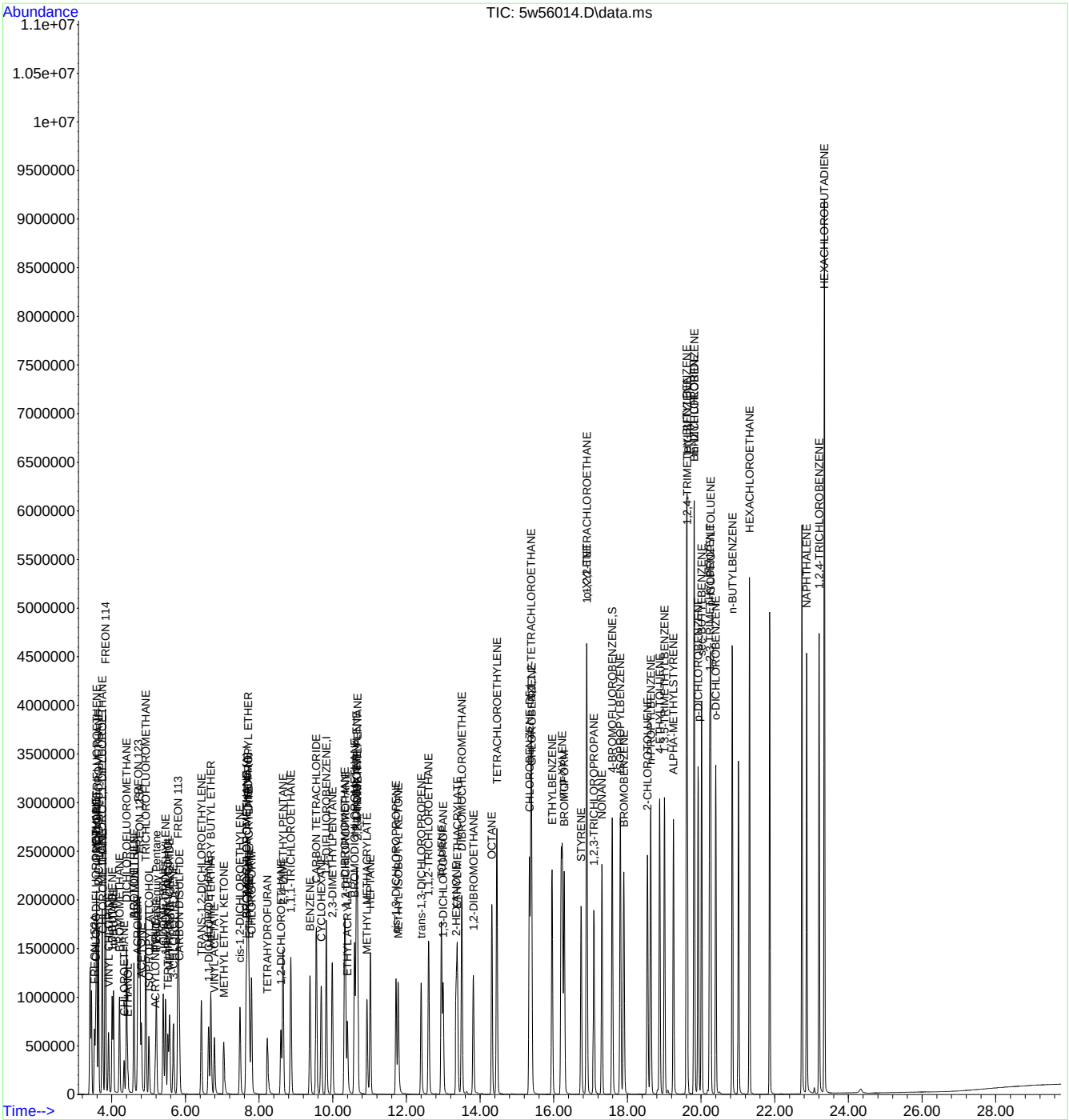
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56371.D
Acq On : 24 Jan 2025 9:35 am
Operator : williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:14:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.651	128	392037	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1751629	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	865857	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	392037	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	1129214	11.07	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.70%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	289534	10.4253	PPBV	92
4) CHLORODIFLUOROMETHANE	3.558	67	127568	10.1082	PPBV	98
5) CHLOROTRIFLUOROETHENE	3.588	116	723399	11.2498	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.637	85	1279213	10.2480	PPBV	98
7) PROPYLENE	3.582	41	453434	14.4394	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1173358	9.2461	PPBV	94
9) FREON 114	3.821	85	1489315	9.1636	PPBV	94
10) CHLOROMETHANE	3.754	52	202874	11.8660	PPBV	97
11) VINYL CHLORIDE	3.913	62	542906	9.3879	PPBV	98
12) 1,3-BUTADIENE	4.011	54	439464	11.3522	PPBV	94
13) n-BUTANE	4.047	43	962191	11.8725	PPBV	96
14) BROMOMETHANE	4.206	94	541745	8.7126	PPBV	99
15) CHLOROETHANE	4.335	64	219744	8.4092	PPBV	90
16) DICHLOROFLUOROMETHANE	4.402	67	1055760	8.3375	PPBV #	96
17) ACETONITRILE	4.598	41	548672	11.6546	PPBV	99
18) ACROLEIN	4.690	56	216187	10.3885	PPBV	94
19) FREON 123	4.714	83	1123010	8.2094	PPBV	99
20) FREON 123A	4.757	117	717100	9.2952	PPBV	92
21) TRICHLOROFLUOROMETHANE	4.922	101	1374060	9.9988	PPBV	100
22) ISOPROPYL ALCOHOL	5.002	45	967200	13.3186	PPBV	95
23) ACETONE	4.800	58	219083	9.3833	PPBV #	68
24) PENTANE	5.210	42	498966	13.5896	PPBV	95
25) IODOMETHANE	5.393	142	1262008	11.6508	PPBV	93
26) 1,1-DICHLOROETHYLENE	5.461	96	378453	10.4843	PPBV	96
27) CARBON DISULFIDE	5.828	76	1048089	10.3726	PPBV	97
28) ETHANOL	4.427	45	322600	11.4415	PPBV	100
29) BROMOETHENE	4.598	106	520207	8.8341	PPBV	96
30) ACRYLONITRILE	5.179	52	300400	13.7129	PPBV	96
31) METHYLENE CHLORIDE	5.565	84	339390	9.5554	PPBV #	76
32) 3-CHLOROPROPENE	5.669	76	169958	10.9323	PPBV #	58
33) FREON 113	5.797	151	700696	10.4483	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.427	96	404343	10.6786	PPBV	96
35) TERTIARY BUTYL ALCOHOL	5.522	59	724127	11.8419	PPBV	96
36) METHYL TERTIARY BUTYL ...	6.684	73	988850	10.9943	PPBV	88
37) TETRAHYDROFURAN	8.220	72	166069	11.6252	PPBV #	56
38) HEXANE	7.681	57	677113	13.2513	PPBV	99
39) VINYL ACETATE	6.782	86	73715	12.7596	PPBV #	22
40) 1,1-DICHLOROETHANE	6.623	63	750617	11.6206	PPBV	96
41) METHYL ETHYL KETONE	7.033	72	170409	11.7857	PPBV #	28
42) cis-1,2-DICHLOROETHYLENE	7.473	96	440579	10.7053	PPBV	96
43) DIISOPROPYL ETHER	7.693	59	195909	12.8227	PPBV #	65
44) ETHYL ACETATE	7.724	61	137173	12.5693	PPBV #	75
45) METHYL ACRYLATE	7.712	55	876988	14.4084	PPBV	94
46) CHLOROFORM	7.791	83	878505	10.1838	PPBV	97
47) 2,4-DIMETHYLPENTANE	8.642	57	773452	14.0525	PPBV	97
48) 1,1,1-TRICHLOROETHANE	8.856	97	923317	10.3359	PPBV	99
49) CARBON TETRACHLORIDE	9.547	117	1047457	10.6284	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56371.D
Acq On : 24 Jan 2025 9:35 am
Operator : williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:14:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	602788	11.4599	PPBV		98
52)	BENZENE	9.382	78	1184836	10.4757	PPBV		95
53)	CYCLOHEXANE	9.682	84	480983	10.8943	PPBV		82
54)	2,3-DIMETHYLPENTANE	9.982	71	235009	10.3674	PPBV	#	67
55)	TRICHLOROETHYLENE	10.636	95	600231	9.9462	PPBV		99
56)	1,2-DICHLOROPROPANE	10.342	63	491496	10.8088	PPBV		93
57)	DIBROMOMETHANE	10.318	174	633084	9.7430	PPBV		96
58)	ETHYL ACRYLATE	10.391	55	1075561	14.4269	PPBV		97
59)	BROMODICHLOROMETHANE	10.587	83	1030316	9.6544	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	2130469	13.1009	PPBV		99
61)	1,4-DIOXANE	10.654	88	294428	11.0124	PPBV	#	33
62)	HEPTANE	11.015	43	907874	15.2988	PPBV		84
63)	METHYL METHACRYLATE	10.924	69	420404	11.7511	PPBV	#	71
64)	METHYL ISOBUTYL KETONE	11.774	58	420214	13.5697	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.713	75	783113	11.1781	PPBV		91
66)	TOLUENE	12.942	92	894650	10.9416	PPBV		99
67)	1,3-DICHLOROPROPANE	12.991	76	730402	10.7035	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.392	75	701520	10.3586	PPBV		91
69)	1,1,2-TRICHLOROETHANE	12.600	83	505023	10.5292	PPBV		99
71)	2-HEXANONE	13.340	58	618809	15.9562	PPBV		86
72)	ETHYL METHACRYLATE	13.377	69	740815	12.6047	PPBV	#	78
73)	TETRACHLOROETHYLENE	14.454	164	681633	11.1653	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.493	129	1249642	11.6795	PPBV		99
75)	1,2-DIBROMOETHANE	13.811	107	1029950	12.9330	PPBV		100
76)	OCTANE	14.313	43	1351650	17.8097	PPBV		87
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	812236	11.2748	PPBV		98
78)	CHLOROBENZENE	15.396	112	1355630	11.3786	PPBV		97
79)	ETHYLBENZENE	15.946	91	2055228	13.0325	PPBV		100
80)	m,p-XYLENE	16.222	106	1611883	25.5102	PPBV		98
81)	o-XYLENE	16.888	106	793164	12.9071	PPBV		98
82)	STYRENE	16.742	104	1268904	14.1641	PPBV		98
83)	NONANE	17.298	43	1404943	17.9910	PPBV		88
84)	BROMOFORM	16.277	173	1309572	12.5200	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.895	83	1378191	11.7483	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	879124	10.9317	PPBV		97
88)	ISOPROPYLBENZENE	17.806	105	2271231	12.0728	PPBV		99
89)	BROMOBENZENE	17.898	77	1084346	11.2355	PPBV		98
90)	2-CHLOROTOLUENE	18.534	126	630193	12.1267	PPBV		99
91)	n-PROPYLBENZENE	18.626	120	647700	12.9263	PPBV		100
92)	4-ETHYLTOLUENE	18.871	105	2347387	13.1718	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	1925648	13.1389	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	1029342	13.1105	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	453555	12.6165	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2051949	12.8565	PPBV		99
97)	m-DICHLOROBENZENE	19.807	146	1524181	11.4930	PPBV		99
98)	BENZYL CHLORIDE	19.800	91	1869280	11.9721	PPBV		99
99)	p-DICHLOROBENZENE	19.917	146	1493020	11.9727	PPBV		99
100)	sec-BUTYLBENZENE	20.008	134	537832	12.5147	PPBV		99
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	2001653	12.7462	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.253	134	630443	12.3660	PPBV		98
103)	o-DICHLOROBENZENE	20.394	146	1396449	11.5334	PPBV		99
104)	n-BUTYLBENZENE	20.847	134	615413	12.7506	PPBV		99
105)	HEXACHLOROETHANE	21.311	117	1069471	12.3745	PPBV		98
106)	HEXACHLOROBUTADIENE	23.343	225	1290334	11.0663	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.202	180	1291214	11.4857	PPBV		99
108)	NAPHTHALENE	22.865	128	3127615	12.9172	PPBV		100
110)	TVHC as equiv Pentane	5.204	TIC	3119126	13.5867	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56371.D
Acq On : 24 Jan 2025 9:35 am
Operator : williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:14:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

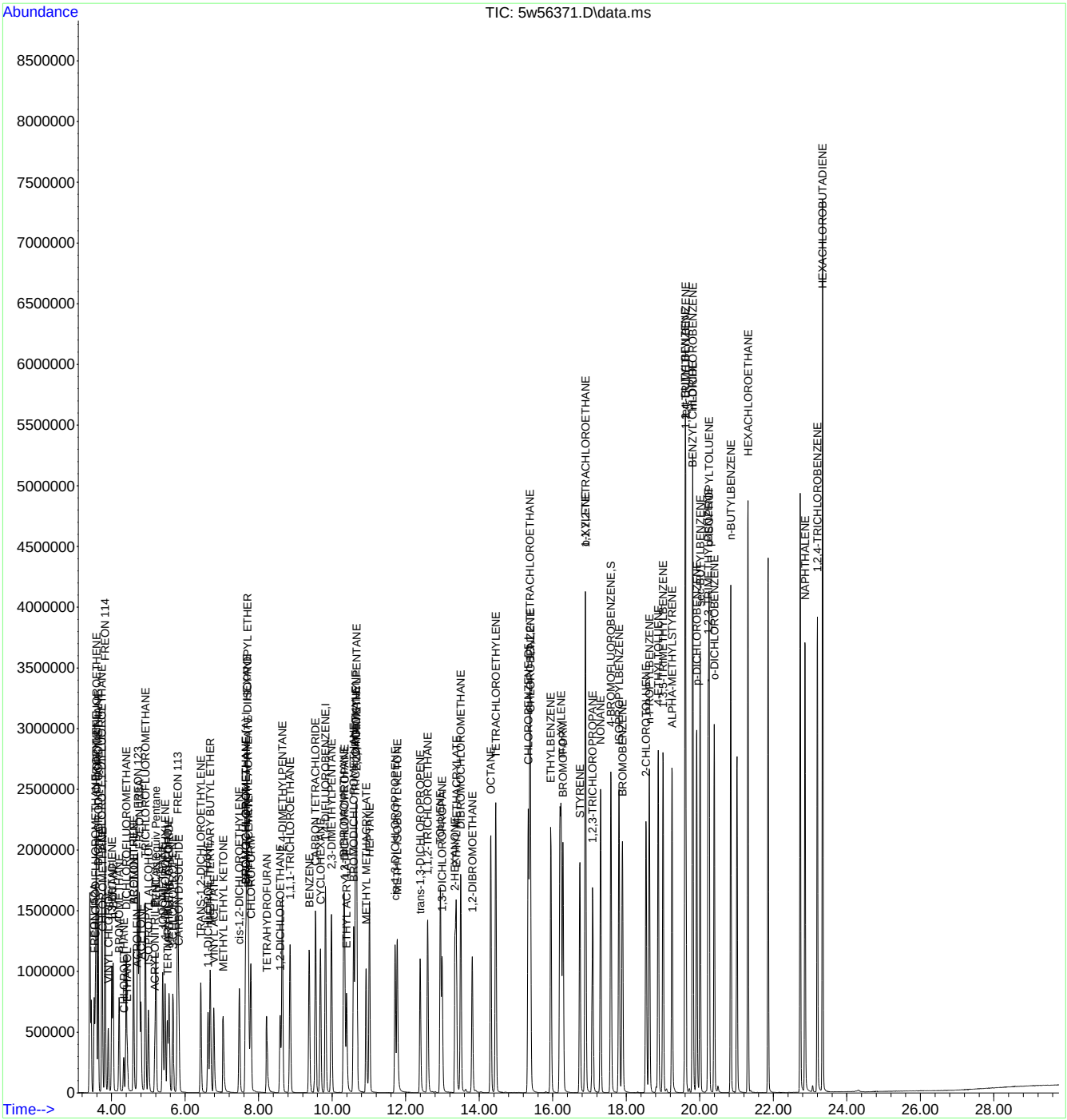
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56371.D
Acq On : 24 Jan 2025 9:35 am
Operator : williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:14:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:46:37 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration

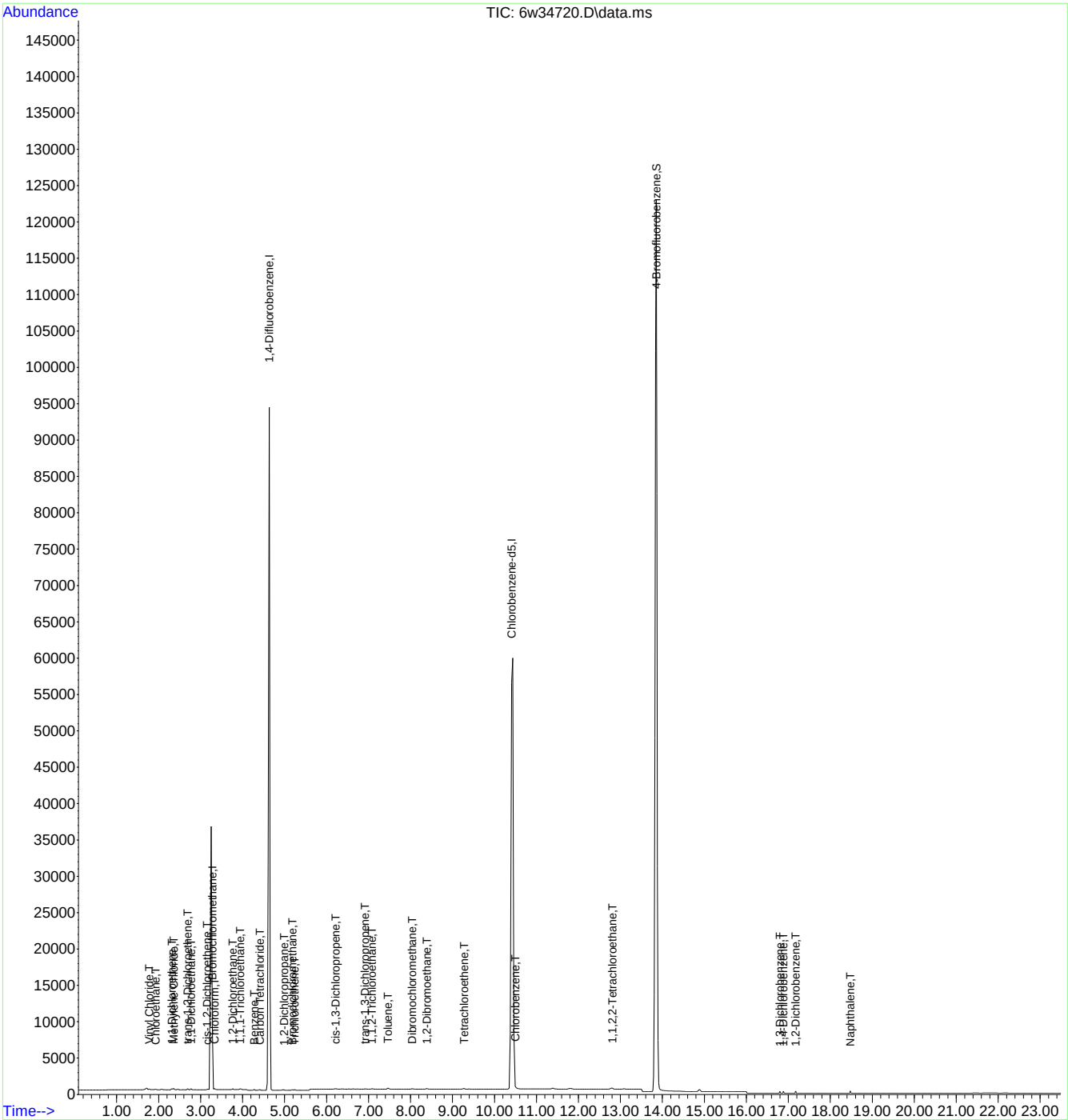
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26003	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	147173	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	72770	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	103669	9.62	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 96.20%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	138	0.03	ppb(v#	75
3) Vinyl Chloride	1.773	62	115	0.03	ppb(v#	50
4) Chloroethane	1.926	64	70	0.02	ppb(v#	54
5) 1,1-Dichloroethene	2.309	61	159	0.03	ppb(v#	49
6) trans-1,2-Dichloroethene	2.692	61	142	0.02	ppb(v#	57
7) 1,1-Dichloroethane	2.769	63	135m	0.03	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	86	0.02	ppb(v#	52
9) Chloroform	3.331	83	159m	0.03	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	116	0.02	ppb(v	95
11) 1,2-Dichloroethane	3.765	62	112	0.02	ppb(v#	64
12) Benzene	4.278	78	197	0.02	ppb(v#	69
13) Carbon Tetrachloride	4.411	117	101	0.02	ppb(v	100
15) Toluene	7.458	92	163	0.03	ppb(v#	79
16) Trichloroethene	5.231	95	114	0.03	ppb(v	86
17) 1,2-Dichloropropane	4.987	65	24	0.02	ppb(v#	53
18) Bromodichloromethane	5.187	83	134	0.02	ppb(v	87
19) cis-1,3-Dichloropropene	6.215	75	106	0.03	ppb(v#	75
20) trans-1,3-Dichloropropene	6.909	75	78	0.02	ppb(v#	64
21) 1,1,2-Trichloroethane	7.082	83	87	0.03	ppb(v	95
22) Dibromochloromethane	8.036	129	137	0.02	ppb(v	92
23) Tetrachloroethene	9.279	166	173	0.02	ppb(v	100
24) 1,2-Dibromoethane	8.383	107	140	0.02	ppb(v	100
26) Chlorobenzene	10.493	112	231	0.02	ppb(v#	64
27) 1,1,2,2-Tetrachloroethane	12.805	83	192	0.02	ppb(v	85
29) 1,3-Dichlorobenzene	16.800	146	211	0.02	ppb(v	77
30) 1,4-Dichlorobenzene	16.884	146	209	0.02	ppb(v	79
31) 1,2-Dichlorobenzene	17.173	146	208	0.02	ppb(v	96
32) Naphthalene	18.476	128	315	0.01	ppb(v#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:46:37 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration



Manual Integration Approval Summary

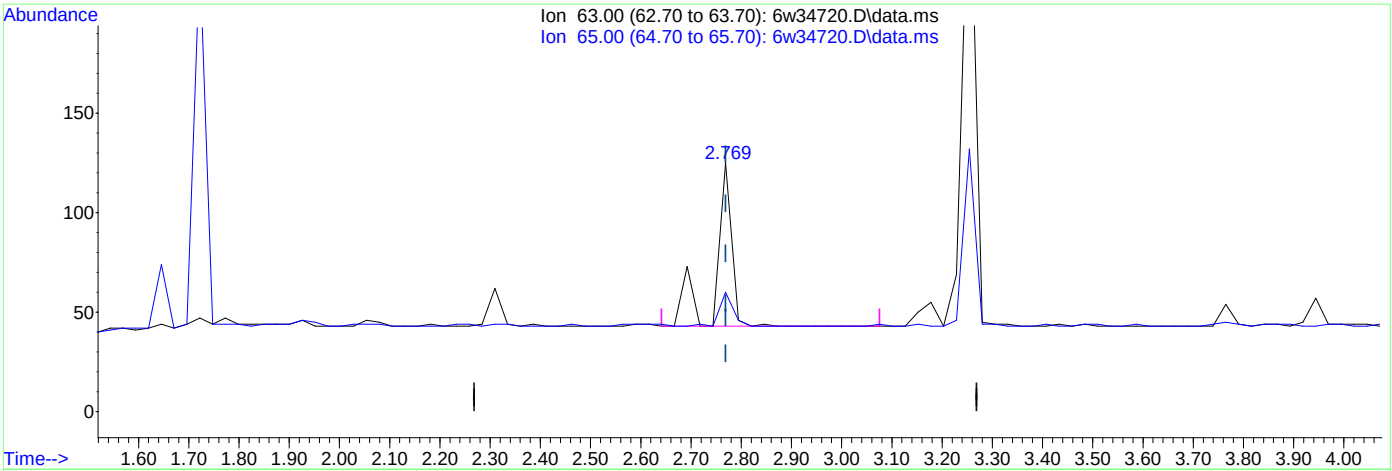
Sample Number: V6W1441-IC1441
Lab FileID: 6W34720.D
Injection Time: 01/29/25 20:02
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

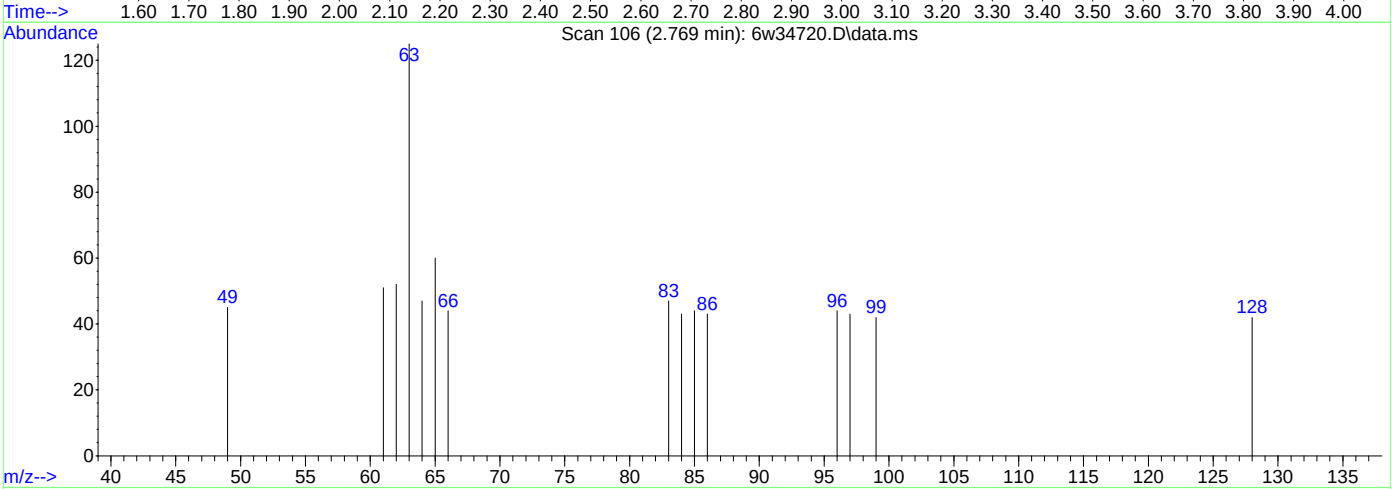
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:45:48 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration





TIC: 6w34720.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (0.000) 0.04ppb(v)

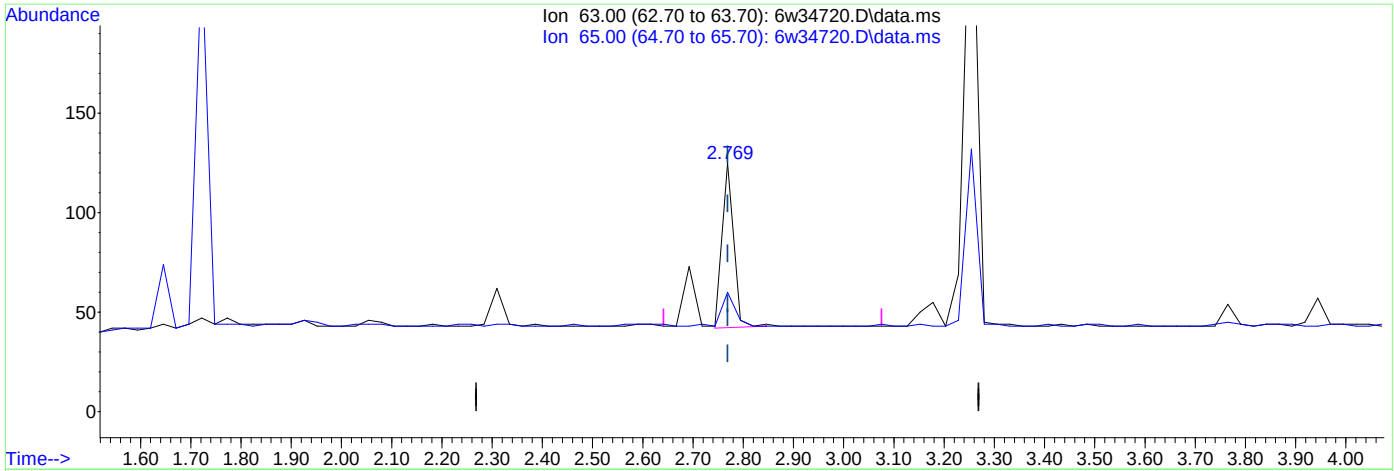
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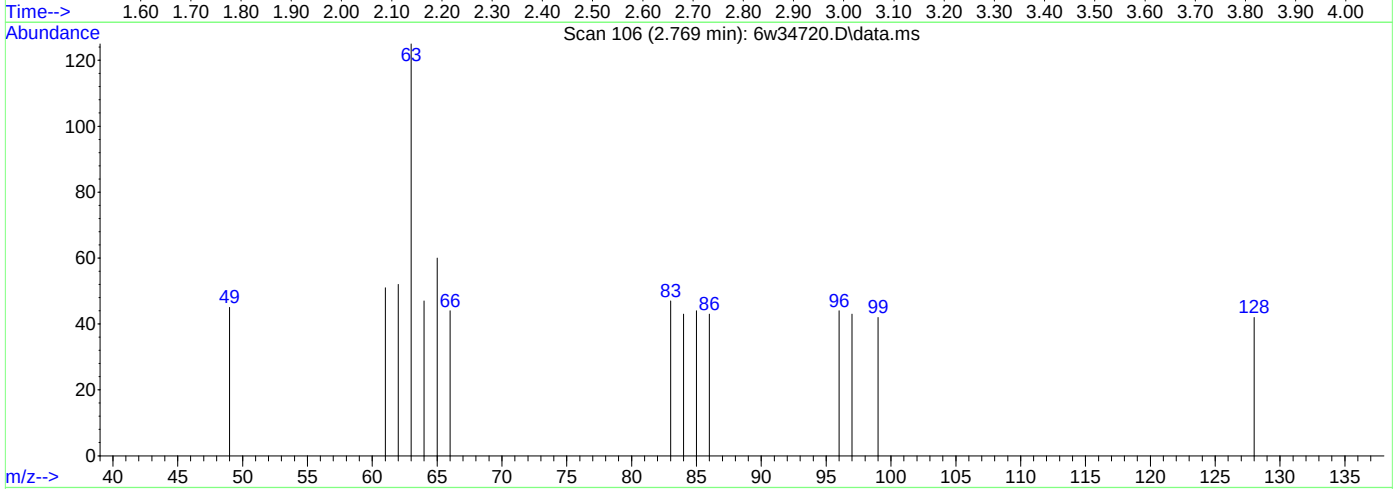
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	48.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:45:48 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration





TIC: 6w34720.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (0.000) 0.03ppb(v) m

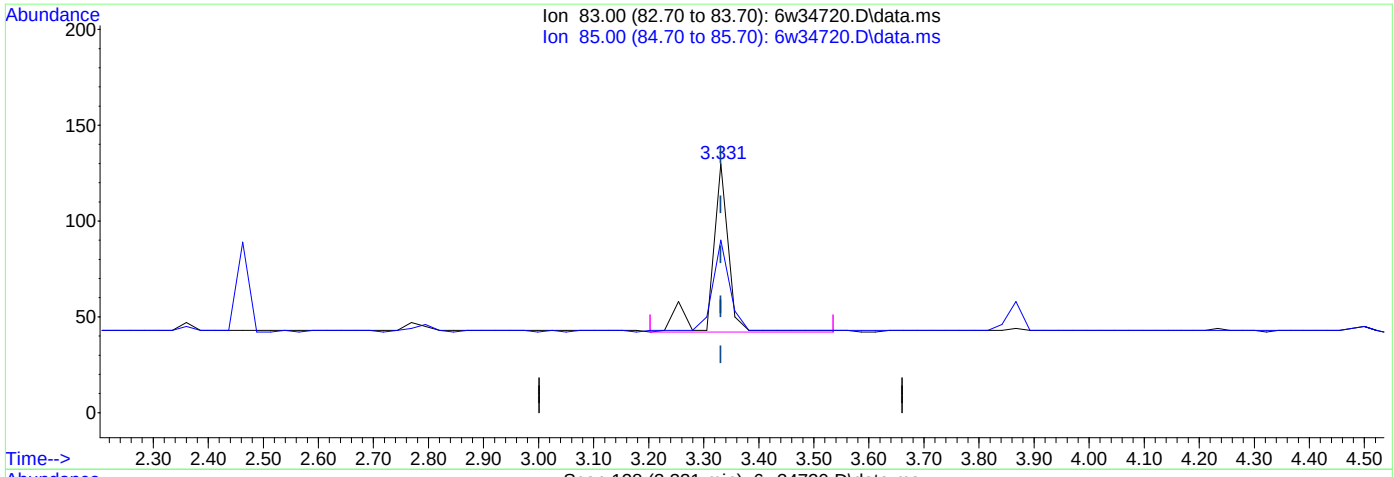
response 135

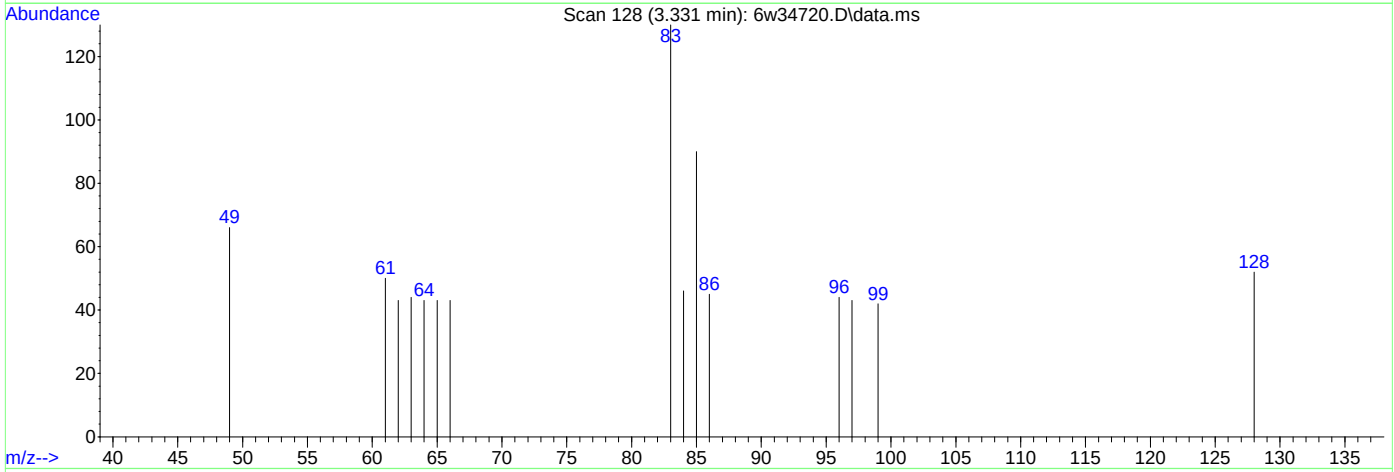
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	48.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:45:48 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration





TIC: 6w34720.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.03ppb(v)

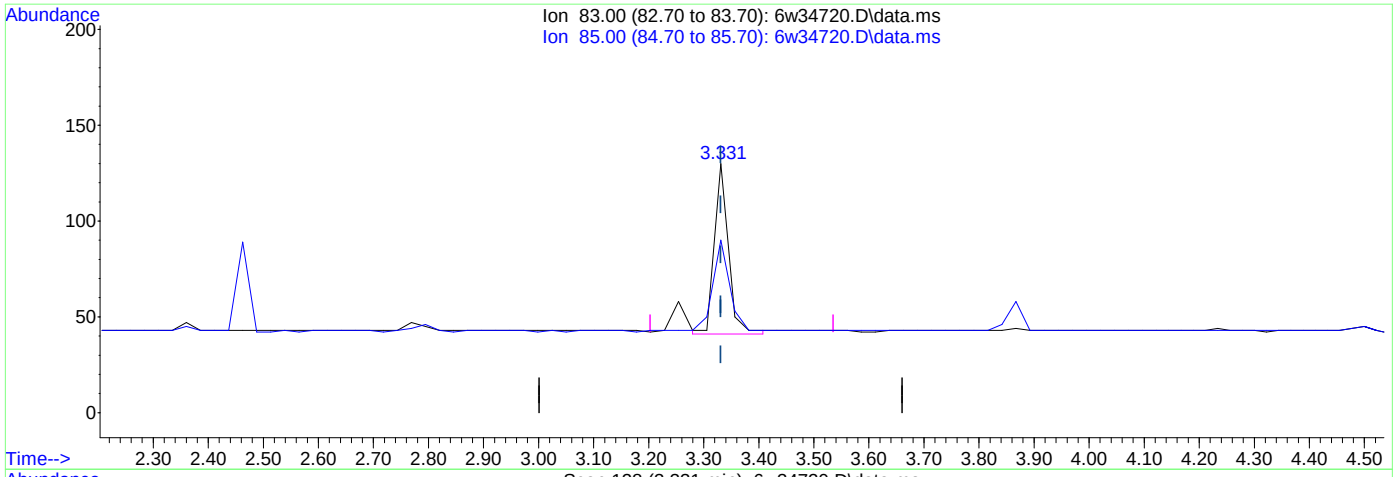
response 187

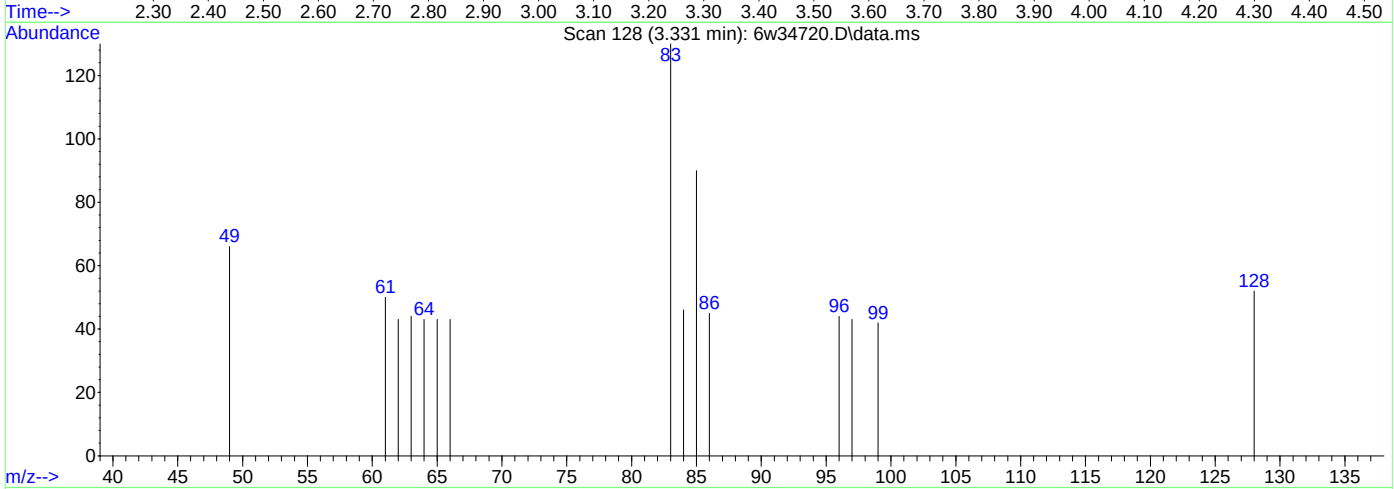
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	69.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:45:48 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration





TIC: 6w34720.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.03ppb(v) m

response 159

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	69.23
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:08:52 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration

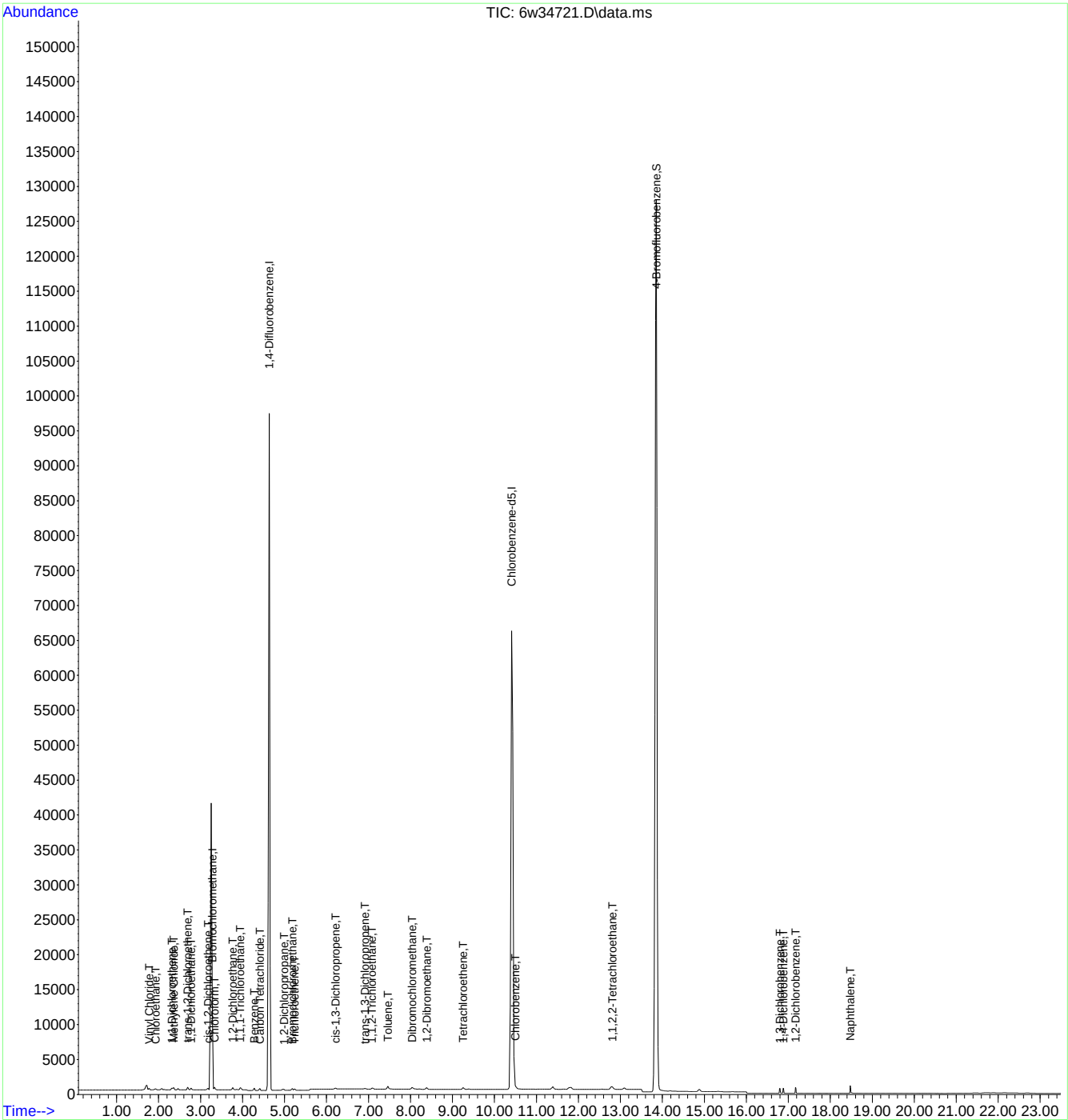
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27342	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	150129	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	73179	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	108138	9.96	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.60%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	236	0.06	ppb(v	91
3) Vinyl Chloride	1.773	62	254	0.06	ppb(v#	83
4) Chloroethane	1.926	64	175	0.05	ppb(v#	83
5) 1,1-Dichloroethene	2.309	61	326	0.06	ppb(v#	81
6) trans-1,2-Dichloroethene	2.693	61	386	0.05	ppb(v#	88
7) 1,1-Dichloroethane	2.769	63	294m	0.06	ppb(v	
8) cis-1,2-Dichloroethene	3.178	61	219	0.05	ppb(v	93
9) Chloroform	3.331	83	342m	0.06	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	291	0.05	ppb(v	85
11) 1,2-Dichloroethane	3.765	62	296	0.06	ppb(v	88
12) Benzene	4.278	78	479	0.06	ppb(v	90
13) Carbon Tetrachloride	4.411	117	301	0.05	ppb(v	99
15) Toluene	7.458	92	338	0.05	ppb(v	91
16) Trichloroethene	5.232	95	238	0.05	ppb(v	93
17) 1,2-Dichloropropane	4.988	65	57	0.05	ppb(v	78
18) Bromodichloromethane	5.187	83	354	0.05	ppb(v	96
19) cis-1,3-Dichloropropene	6.216	75	225	0.05	ppb(v	88
20) trans-1,3-Dichloropropene	6.909	75	186	0.05	ppb(v	85
21) 1,1,2-Trichloroethane	7.083	83	170	0.05	ppb(v	99
22) Dibromochloromethane	8.036	129	347	0.05	ppb(v	97
23) Tetrachloroethene	9.250	166	413	0.06	ppb(v	97
24) 1,2-Dibromoethane	8.383	107	359	0.06	ppb(v	100
26) Chlorobenzene	10.493	112	583	0.05	ppb(v	89
27) 1,1,2,2-Tetrachloroethane	12.805	83	510	0.05	ppb(v	95
29) 1,3-Dichlorobenzene	16.800	146	599	0.05	ppb(v	83
30) 1,4-Dichlorobenzene	16.884	146	613	0.05	ppb(v	82
31) 1,2-Dichlorobenzene	17.173	146	593	0.05	ppb(v	98
32) Naphthalene	18.477	128	1132	0.05	ppb(v	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:08:52 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

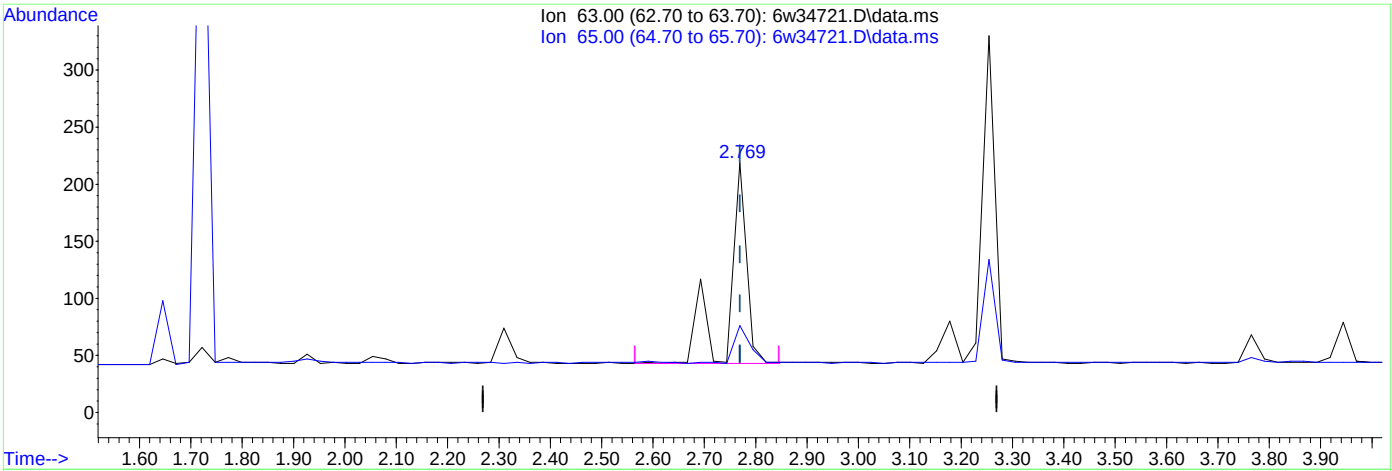
Sample Number: V6W1441-IC1441
Lab FileID: 6W34721.D
Injection Time: 01/29/25 20:39
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

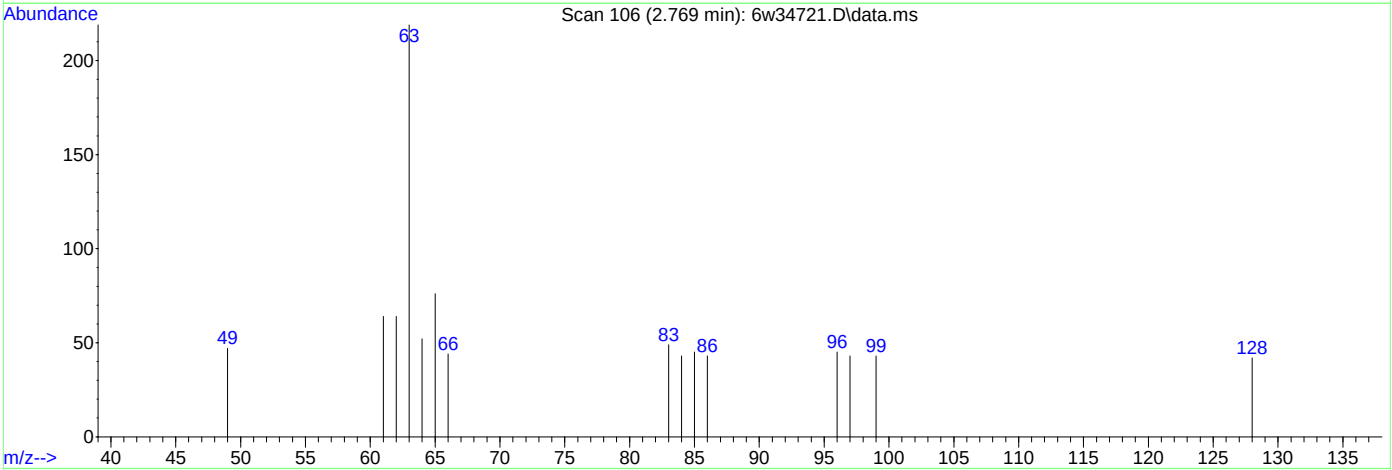
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:07:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration





TIC: 6w34721.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.08ppb(v)

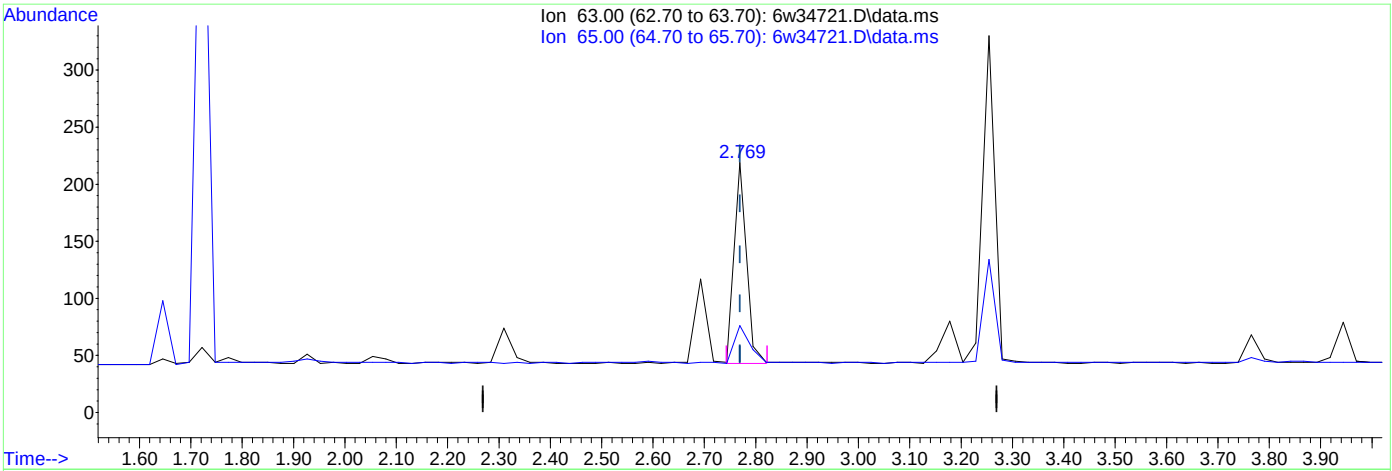
response 418

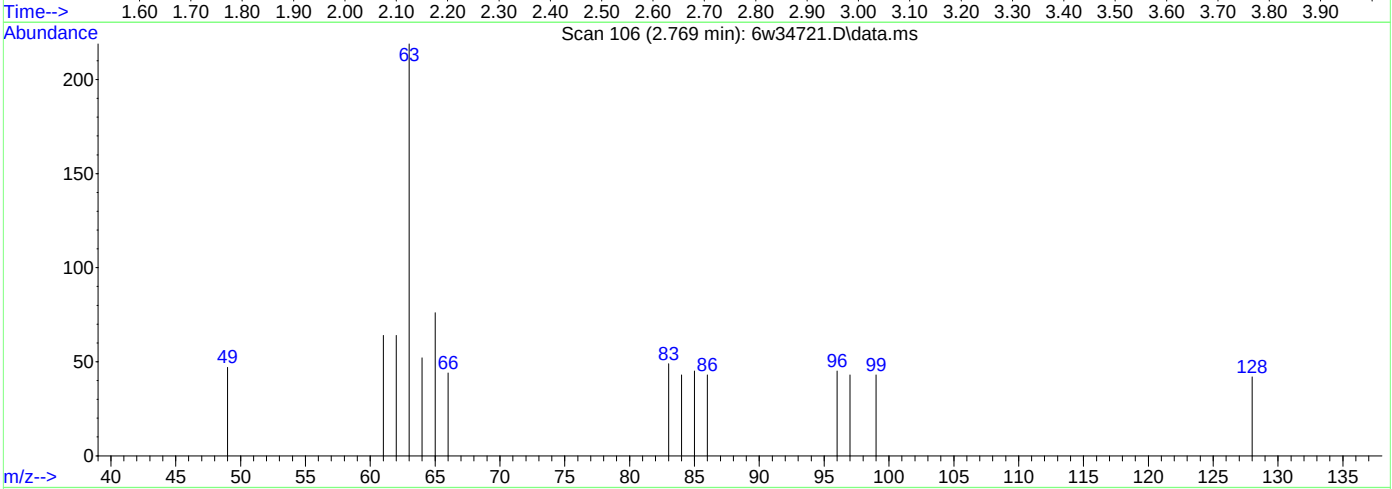
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	34.70
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:07:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration





TIC: 6w34721.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.06ppb(v) m

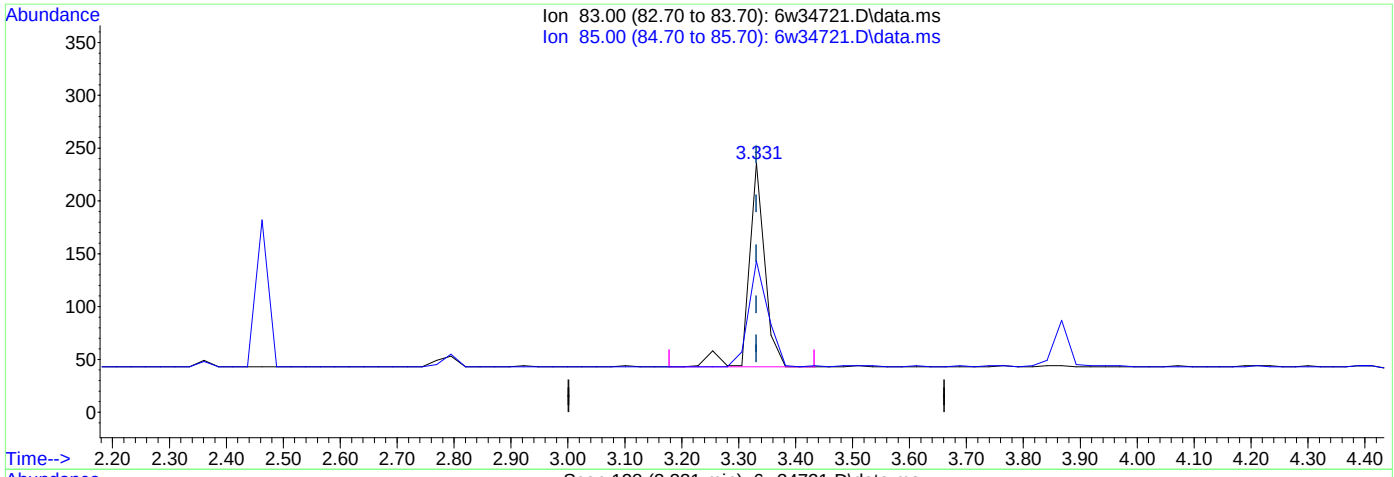
response 294

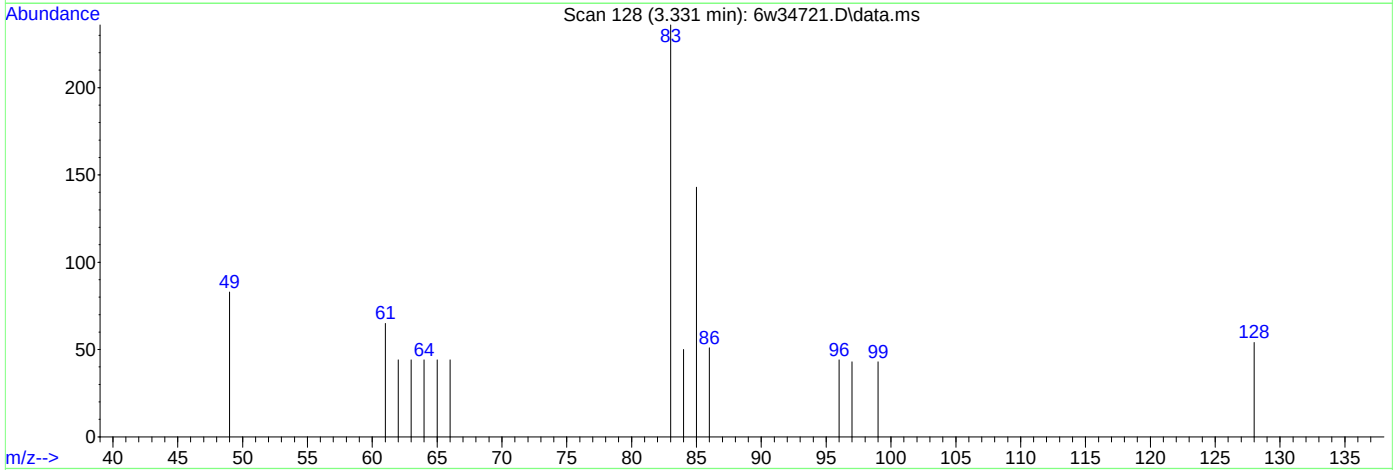
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	34.70
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:07:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration





TIC: 6w34721.D\data.ms

(9) Chloroform (T)

3.331min (0.000) 0.06ppb(v)

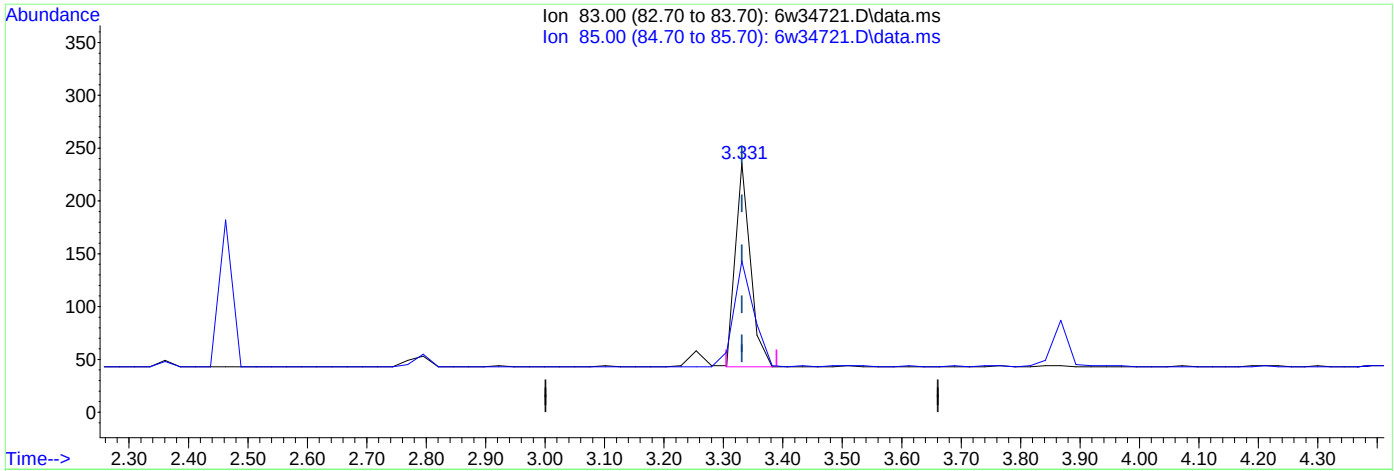
response 369

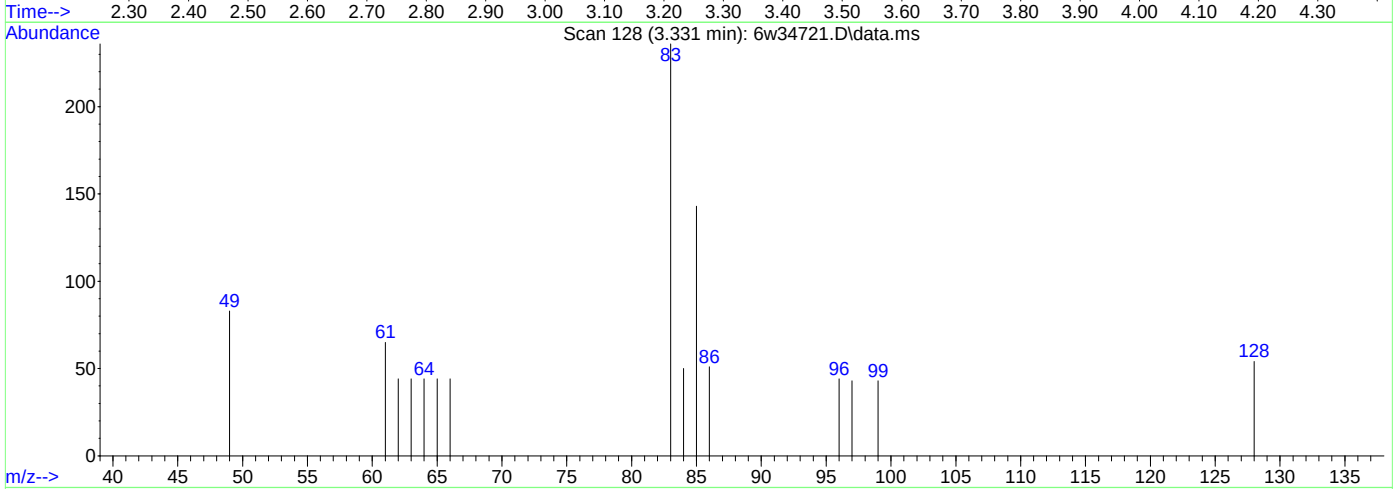
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	60.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:07:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration





TIC: 6w34721.D\data.ms

(9) Chloroform (T)

3.331min (0.000) 0.06ppb(v) m

response 342

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	60.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34722.D
Acq On : 29 Jan 2025 9:16 pm
Operator : benk
Sample : icc1441-0.10
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 19:12:19 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 12:20:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27828	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	149518	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	73245	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	108713	10.07	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.70%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	418	0.11	ppb(v	100
3) Vinyl Chloride	1.773	62	467	0.09	ppb(v	100
4) Chloroethane	1.926	64	339	0.09	ppb(v	100
5) 1,1-Dichloroethene	2.309	61	578	0.09	ppb(v	100
6) trans-1,2-Dichloroethene	2.692	61	771	0.10	ppb(v	100
7) 1,1-Dichloroethane	2.769	63	558	0.09	ppb(v	100
8) cis-1,2-Dichloroethene	3.178	61	446	0.10	ppb(v	100
9) Chloroform	3.331	83	682m	0.10	ppb(v	
10) 1,1,1-Trichloroethane	3.969	97	584	0.11	ppb(v	100
11) 1,2-Dichloroethane	3.765	62	582	0.11	ppb(v	100
12) Benzene	4.278	78	941	0.10	ppb(v	100
13) Carbon Tetrachloride	4.411	117	635	0.11	ppb(v	100
15) Toluene	7.458	92	662	0.09	ppb(v	100
16) Trichloroethene	5.231	95	476	0.10	ppb(v	100
17) 1,2-Dichloropropane	4.987	65	113	0.09	ppb(v	100
18) Bromodichloromethane	5.187	83	693	0.10	ppb(v	100
19) cis-1,3-Dichloropropene	6.215	75	437	0.10	ppb(v	100
20) trans-1,3-Dichloropropene	6.909	75	364	0.09	ppb(v	100
21) 1,1,2-Trichloroethane	7.083	83	339	0.10	ppb(v	100
22) Dibromochloromethane	8.036	129	666	0.10	ppb(v	100
23) Tetrachloroethene	9.250	166	803	0.10	ppb(v	100
24) 1,2-Dibromoethane	8.383	107	647	0.10	ppb(v	100
26) Chlorobenzene	10.493	112	1184	0.10	ppb(v	100
27) 1,1,2,2-Tetrachloroethane	12.805	83	1054	0.11	ppb(v	100
29) 1,3-Dichlorobenzene	16.793	146	1245	0.09	ppb(v	100
30) 1,4-Dichlorobenzene	16.877	146	1245	0.09	ppb(v	100
31) 1,2-Dichlorobenzene	17.173	146	1206	0.09	ppb(v	100
32) Naphthalene	18.477	128	2453	0.11	ppb(v	100

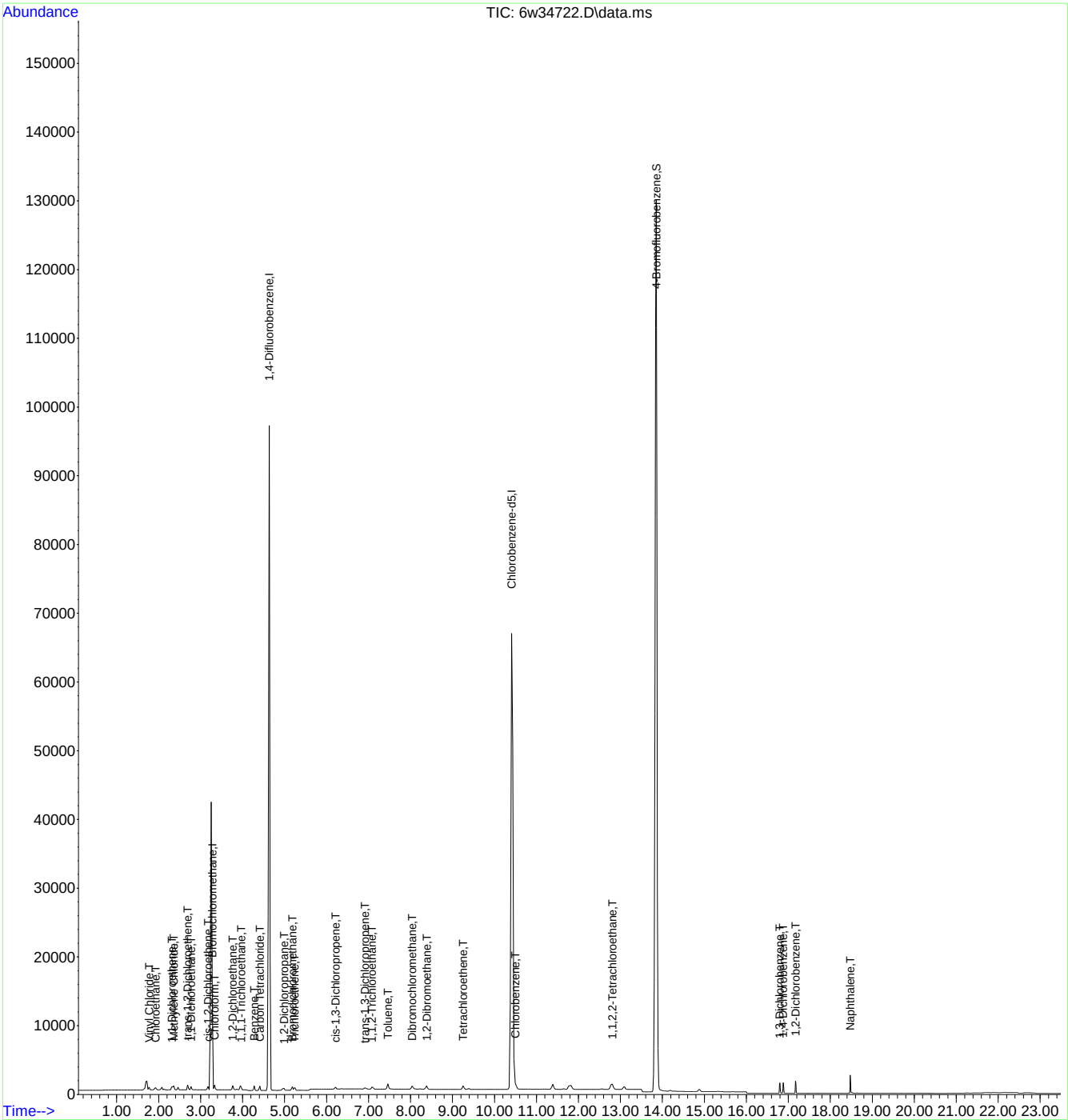
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34722.D
Acq On : 29 Jan 2025 9:16 pm
Operator : benk
Sample : icc1441-0.10
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 19:12:19 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 12:20:49 2025
Response via : Initial Calibration



Manual Integration Approval Summary

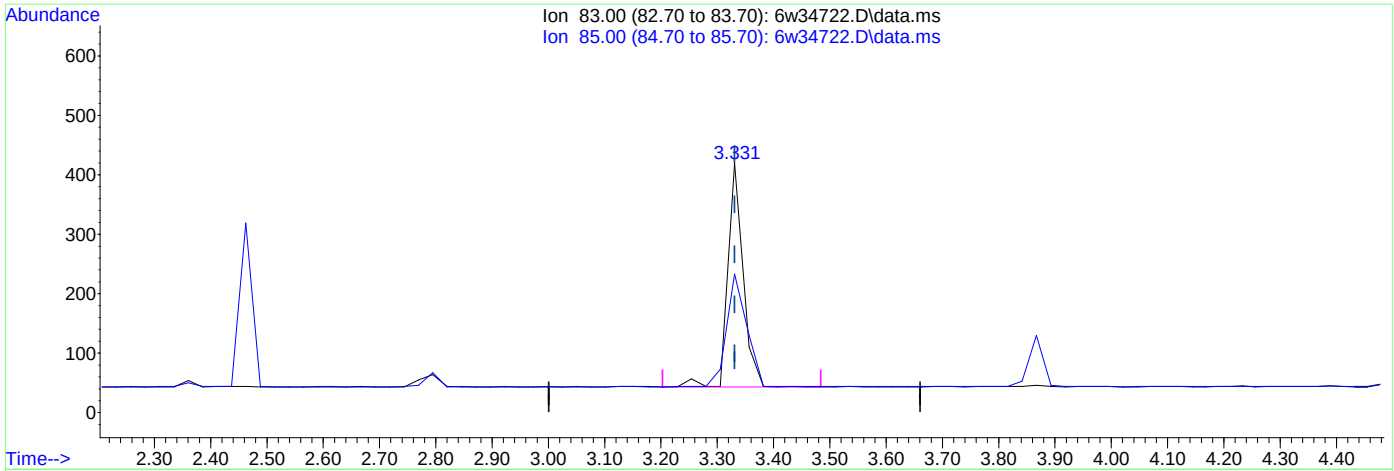
Sample Number: V6W1441-ICC1441
Lab FileID: 6W34722.D
Injection Time: 01/29/25 21:16
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 19:52 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

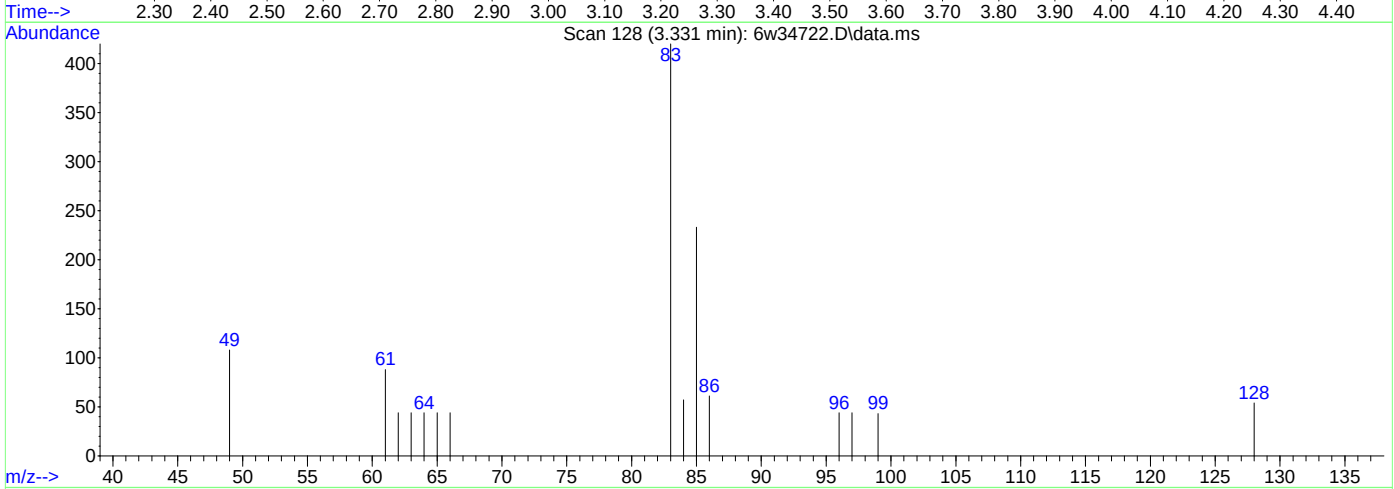
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34722.D
Acq On : 29 Jan 2025 9:16 pm
Operator : benk
Sample : icc1441-0.10
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 19:11:20 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 12:20:49 2025
Response via : Initial Calibration





TIC: 6w34722.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v)

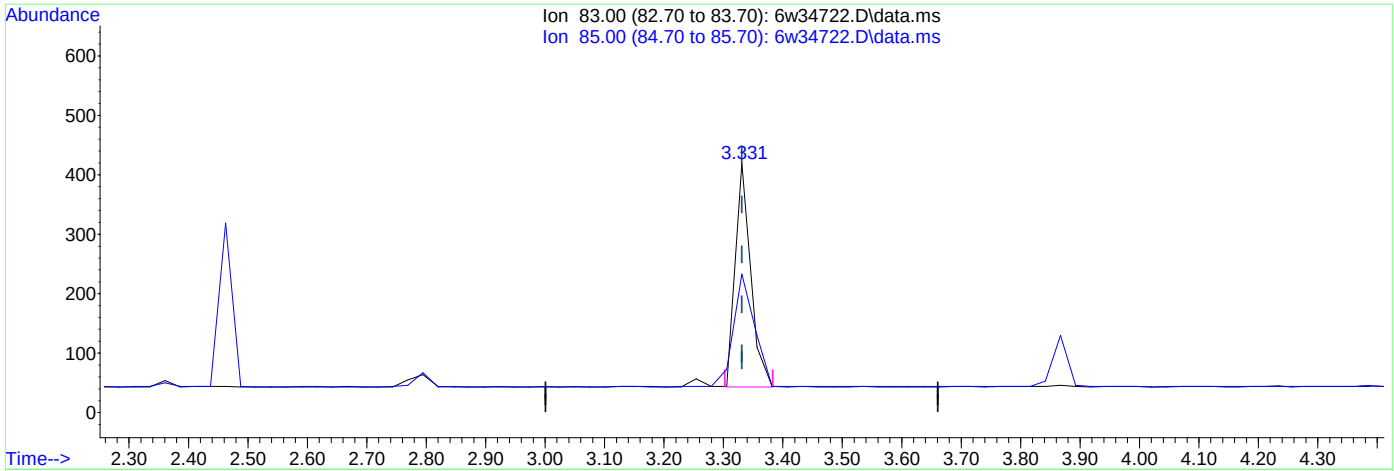
response 708

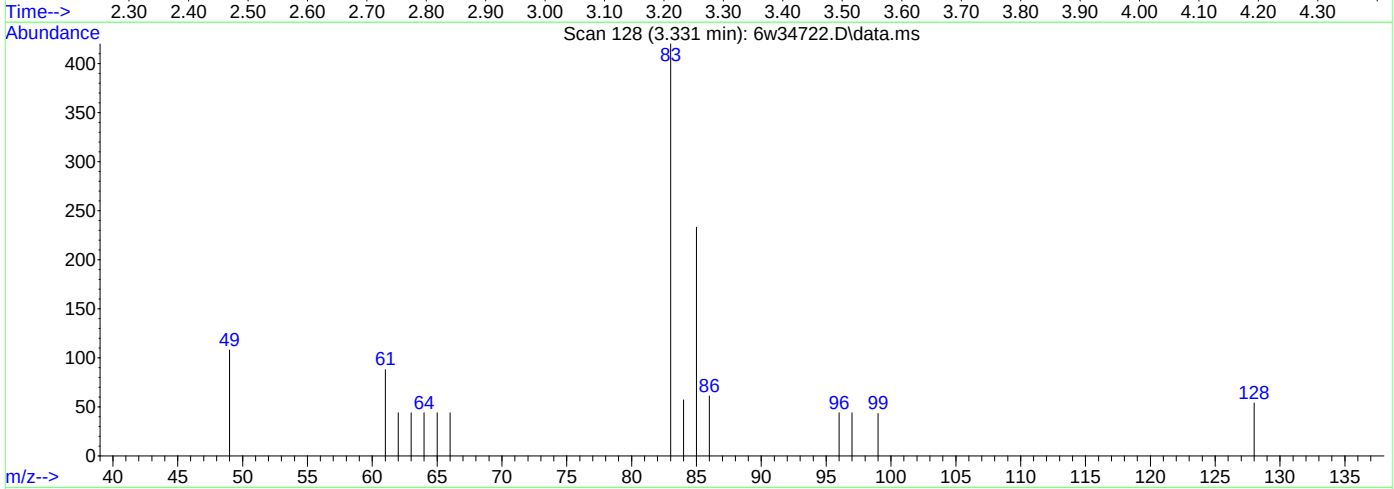
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34722.D
Acq On : 29 Jan 2025 9:16 pm
Operator : benk
Sample : icc1441-0.10
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 19:11:20 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 12:20:49 2025
Response via : Initial Calibration





TIC: 6w34722.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v) m

response 682

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34723.D
Acq On : 29 Jan 2025 9:55 pm
Operator : benk
Sample : ic1441-0.20
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:53:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:52:15 2025
Response via : Initial Calibration

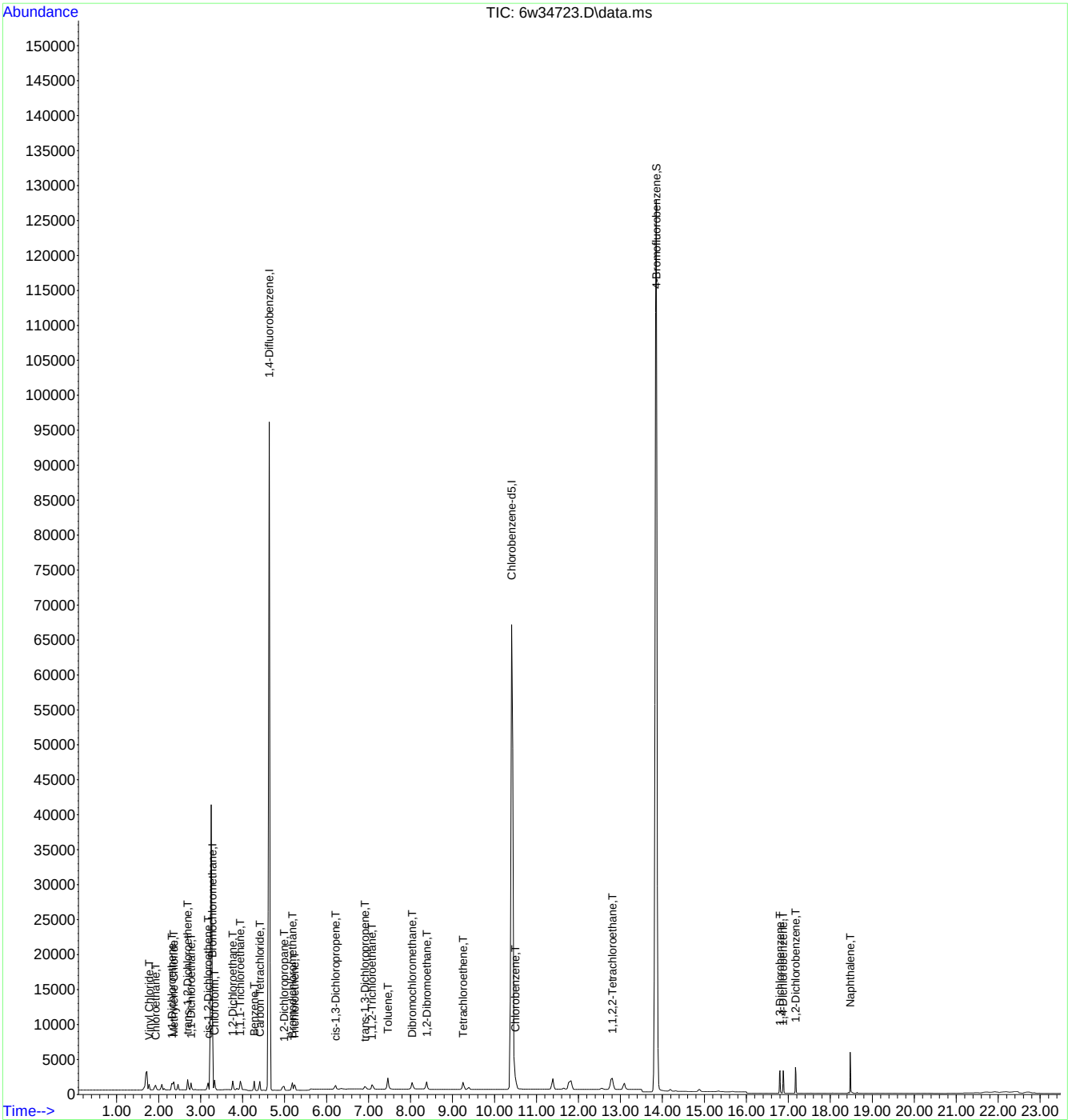
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27430	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	148125	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	72676	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	107941	10.16	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.60%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	784	0.15	ppb(v	97
3) Vinyl Chloride	1.773	62	942	0.18	ppb(v	90
4) Chloroethane	1.926	64	667	0.20	ppb(v	90
5) 1,1-Dichloroethene	2.309	61	1162	0.18	ppb(v#	86
6) trans-1,2-Dichloroethene	2.692	61	1537	0.21	ppb(v	94
7) 1,1-Dichloroethane	2.769	63	1120	0.19	ppb(v	91
8) cis-1,2-Dichloroethene	3.178	61	886	0.21	ppb(v	95
9) Chloroform	3.331	83	1387	0.20	ppb(v	97
10) 1,1,1-Trichloroethane	3.944	97	1165	0.21	ppb(v	75
11) 1,2-Dichloroethane	3.765	62	1138	0.21	ppb(v	92
12) Benzene	4.278	78	1853	0.21	ppb(v	96
13) Carbon Tetrachloride	4.411	117	1307	0.24	ppb(v	99
15) Toluene	7.458	92	1304	0.19	ppb(v	96
16) Trichloroethene	5.231	95	937	0.19	ppb(v	100
17) 1,2-Dichloropropane	4.987	65	216	0.20	ppb(v	77
18) Bromodichloromethane	5.187	83	1385	0.21	ppb(v	100
19) cis-1,3-Dichloropropene	6.215	75	872	0.20	ppb(v	91
20) trans-1,3-Dichloropropene	6.909	75	723	0.20	ppb(v	89
21) 1,1,2-Trichloroethane	7.082	83	669	0.19	ppb(v	99
22) Dibromochloromethane	8.036	129	1354	0.21	ppb(v	96
23) Tetrachloroethene	9.250	166	1573	0.21	ppb(v	98
24) 1,2-Dibromoethane	8.383	107	1408	0.23	ppb(v	100
26) Chlorobenzene	10.493	112	2350	0.22	ppb(v	96
27) 1,1,2,2-Tetrachloroethane	12.805	83	2114	0.23	ppb(v	98
29) 1,3-Dichlorobenzene	16.800	146	2555	0.23	ppb(v	82
30) 1,4-Dichlorobenzene	16.877	146	2596	0.24	ppb(v	96
31) 1,2-Dichlorobenzene	17.173	146	2486	0.23	ppb(v	100
32) Naphthalene	18.477	128	4904	0.26	ppb(v	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34723.D
Acq On : 29 Jan 2025 9:55 pm
Operator : benk
Sample : ic1441-0.20
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:53:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:52:15 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34724.D
Acq On : 29 Jan 2025 10:40 pm
Operator : benk
Sample : ic1441-0.50
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:55:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:54:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27642	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	151388	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	73895	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	109796	10.12	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.20%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	1981	0.41	ppb(v	89
3) Vinyl Chloride	1.773	62	2568	0.51	ppb(v#	83
4) Chloroethane	1.926	64	1696	0.50	ppb(v#	82
5) 1,1-Dichloroethene	2.309	61	3079	0.49	ppb(v#	77
6) trans-1,2-Dichloroethene	2.693	61	3840	0.52	ppb(v#	92
7) 1,1-Dichloroethane	2.769	63	2957m	0.52	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	2193	0.52	ppb(v#	9
9) Chloroform	3.331	83	3546	0.53	ppb(v	95
10) 1,1,1-Trichloroethane	3.944	97	2970	0.54	ppb(v#	72
11) 1,2-Dichloroethane	3.765	62	2916	0.54	ppb(v	89
12) Benzene	4.278	78	4677	0.53	ppb(v	92
13) Carbon Tetrachloride	4.411	117	3405	0.60	ppb(v	98
15) Toluene	7.458	92	3304	0.49	ppb(v#	94
16) Trichloroethene	5.232	95	2380	0.49	ppb(v	97
17) 1,2-Dichloropropane	4.988	65	563	0.51	ppb(v	60
18) Bromodichloromethane	5.187	83	3579	0.53	ppb(v	98
19) cis-1,3-Dichloropropene	6.216	75	2208	0.50	ppb(v	87
20) trans-1,3-Dichloropropene	6.909	75	1793	0.48	ppb(v	81
21) 1,1,2-Trichloroethane	7.083	83	1722	0.50	ppb(v	98
22) Dibromochloromethane	8.036	129	3458	0.52	ppb(v	97
23) Tetrachloroethene	9.250	166	4010	0.52	ppb(v	96
24) 1,2-Dibromoethane	8.383	107	3619	0.56	ppb(v	99
26) Chlorobenzene	10.493	112	5988	0.55	ppb(v	91
27) 1,1,2,2-Tetrachloroethane	12.806	83	5466	0.58	ppb(v	96
29) 1,3-Dichlorobenzene	16.793	146	6696	0.58	ppb(v	99
30) 1,4-Dichlorobenzene	16.877	146	6868	0.61	ppb(v	98
31) 1,2-Dichlorobenzene	17.173	146	6524	0.59	ppb(v	99
32) Naphthalene	18.477	128	12737	0.63	ppb(v	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

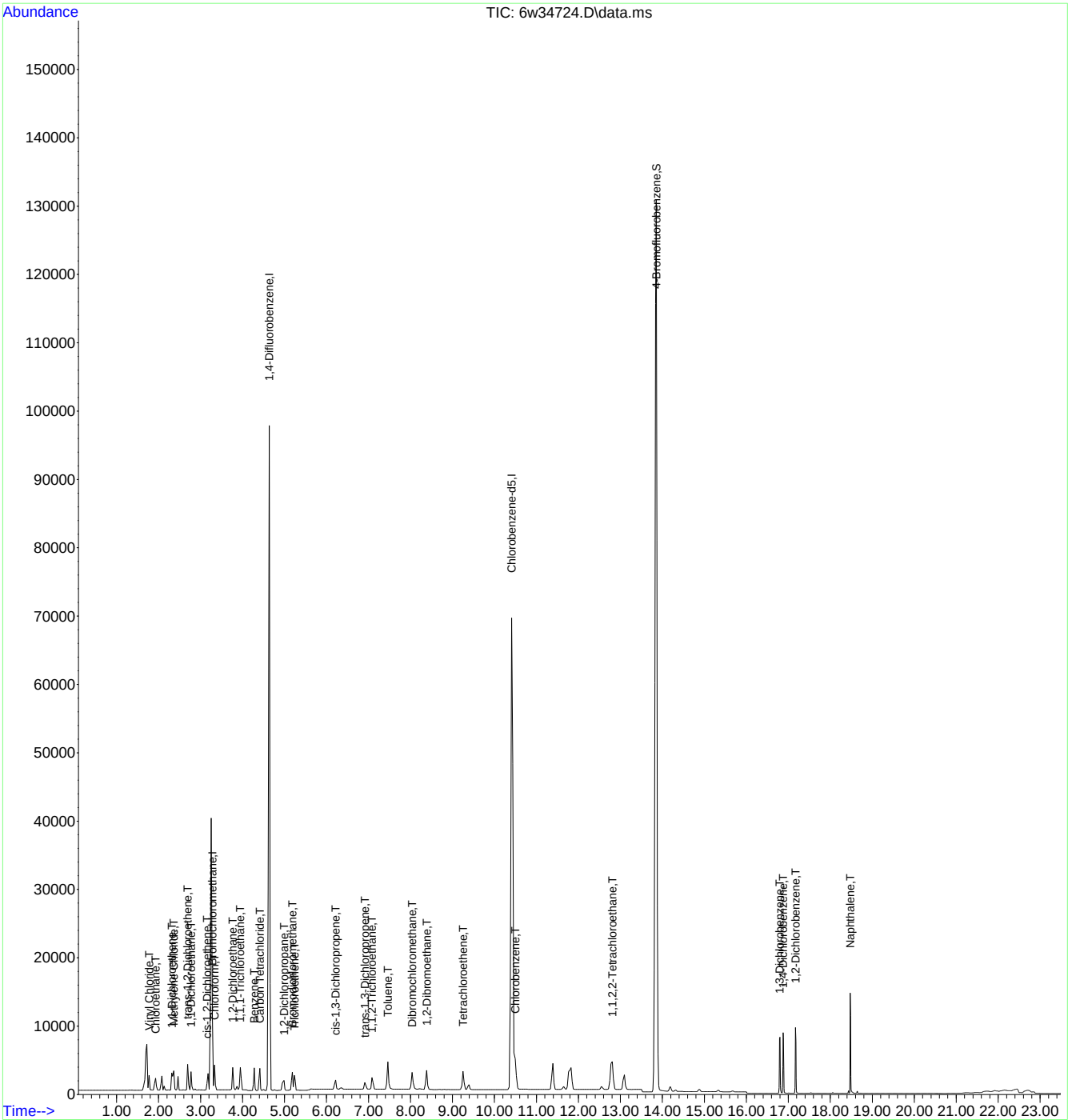
7.7.16

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34724.D
Acq On : 29 Jan 2025 10:40 pm
Operator : benk
Sample : ic1441-0.50
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:55:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:54:36 2025
Response via : Initial Calibration



M6W1441.M Fri Jan 31 12:16:06 2025 Page: 2

Manual Integration Approval Summary

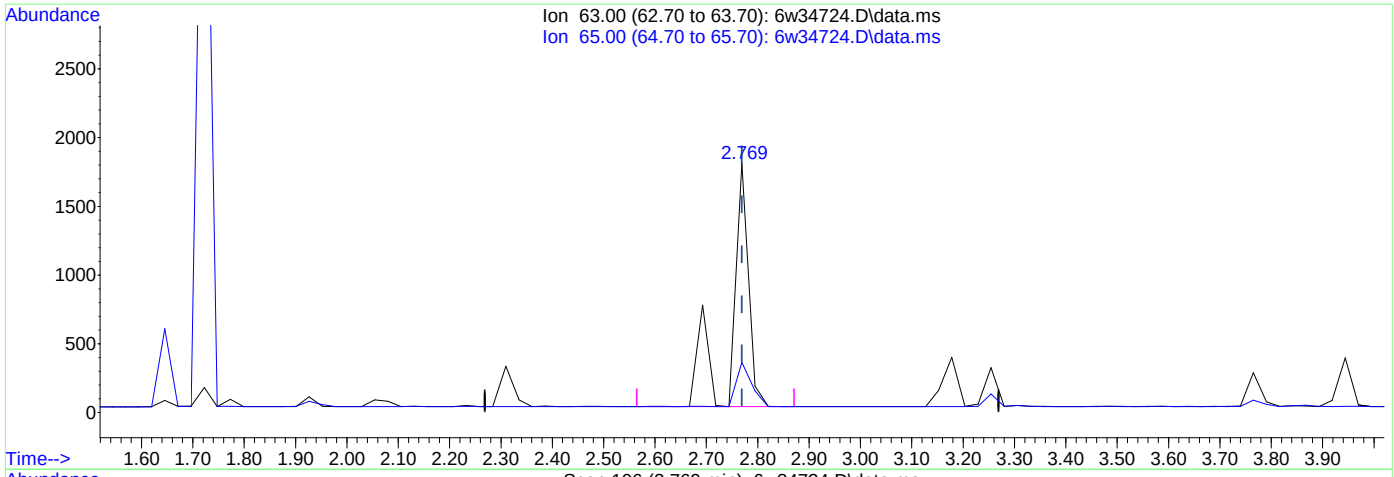
Sample Number: V6W1441-IC1441
Lab FileID: 6W34724.D
Injection Time: 01/29/25 22:40
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

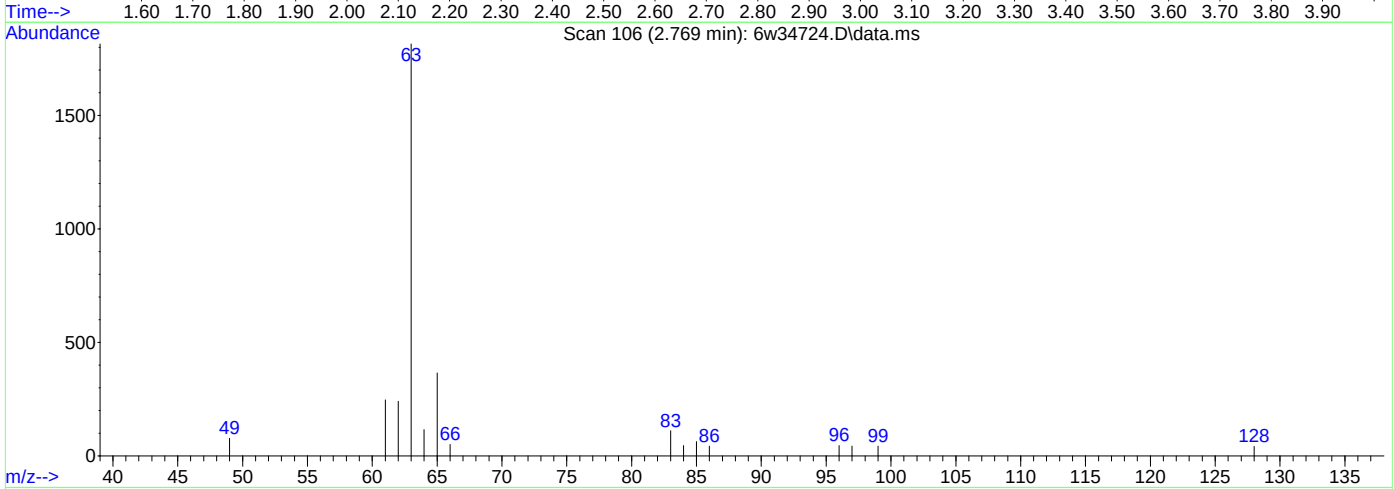
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34724.D
Acq On : 29 Jan 2025 10:40 pm
Operator : benk
Sample : ic1441-0.50
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:55:12 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:54:36 2025
Response via : Initial Calibration





TIC: 6w34724.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.72ppb(v)

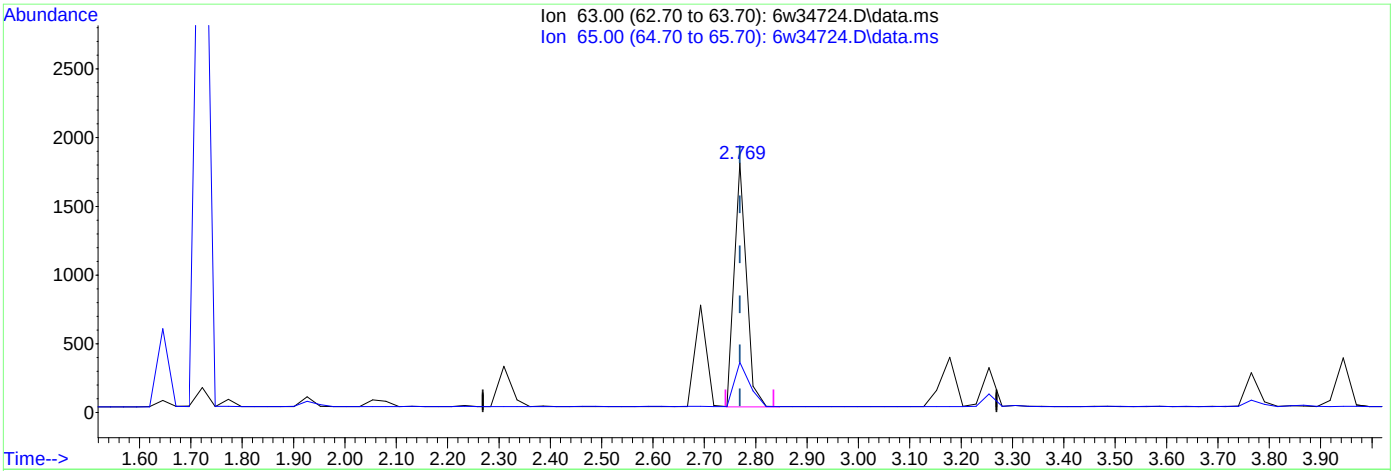
response 4104

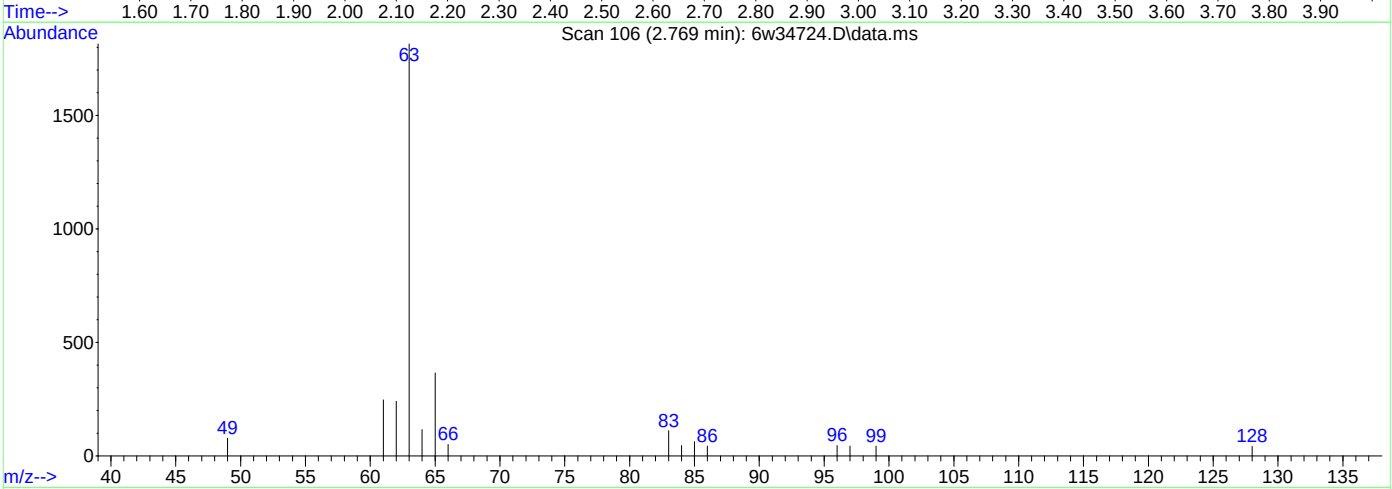
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	20.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34724.D
Acq On : 29 Jan 2025 10:40 pm
Operator : benk
Sample : ic1441-0.50
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:55:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:54:36 2025
Response via : Initial Calibration





TIC: 6w34724.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.52ppb(v) m

response 2957

Ion	Exp%	Act%
63.00	100	100
65.00	27.70	20.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34730.D
Acq On : 30 Jan 2025 2:25 am
Operator : benk
Sample : ic1441-1.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 11:03:06 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:56:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26892	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	149217	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	72500	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	108347	10.16	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.60%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	4000	0.89	ppb(v#	79
3) Vinyl Chloride	1.773	62	5656	1.16	ppb(v#	83
4) Chloroethane	1.926	64	3333	1.03	ppb(v#	78
5) 1,1-Dichloroethene	2.309	61	6641	1.11	ppb(v#	74
6) trans-1,2-Dichloroethene	2.692	61	7342	1.03	ppb(v#	93
7) 1,1-Dichloroethane	2.769	63	6228m	1.13	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	4287	1.06	ppb(v#	6
9) Chloroform	3.331	83	7077	1.08	ppb(v	94
10) 1,1,1-Trichloroethane	3.944	97	5871	1.10	ppb(v#	71
11) 1,2-Dichloroethane	3.765	62	5682	1.09	ppb(v	88
12) Benzene	4.278	78	9020	1.06	ppb(v	90
13) Carbon Tetrachloride	4.411	117	6727	1.20	ppb(v	98
15) Toluene	7.458	92	6285	0.96	ppb(v#	92
16) Trichloroethene	5.231	95	4604	0.98	ppb(v	97
17) 1,2-Dichloropropane	4.987	65	1096	1.01	ppb(v#	50
18) Bromodichloromethane	5.187	83	7039	1.06	ppb(v	97
19) cis-1,3-Dichloropropene	6.215	75	4401	1.03	ppb(v	84
20) trans-1,3-Dichloropropene	6.909	75	3605	1.00	ppb(v#	77
21) 1,1,2-Trichloroethane	7.082	83	3350	1.00	ppb(v	98
22) Dibromochloromethane	8.036	129	7050	1.08	ppb(v	96
23) Tetrachloroethene	9.250	166	7887	1.05	ppb(v	96
24) 1,2-Dibromoethane	8.383	107	7167	1.13	ppb(v	99
26) Chlorobenzene	10.493	112	11404	1.06	ppb(v	92
27) 1,1,2,2-Tetrachloroethane	12.805	83	10659	1.13	ppb(v	96
29) 1,3-Dichlorobenzene	16.799	146	12957	1.11	ppb(v	85
30) 1,4-Dichlorobenzene	16.877	146	13057	1.16	ppb(v	98
31) 1,2-Dichlorobenzene	17.173	146	12519	1.13	ppb(v	97
32) Naphthalene	18.483	128	23255	1.13	ppb(v	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

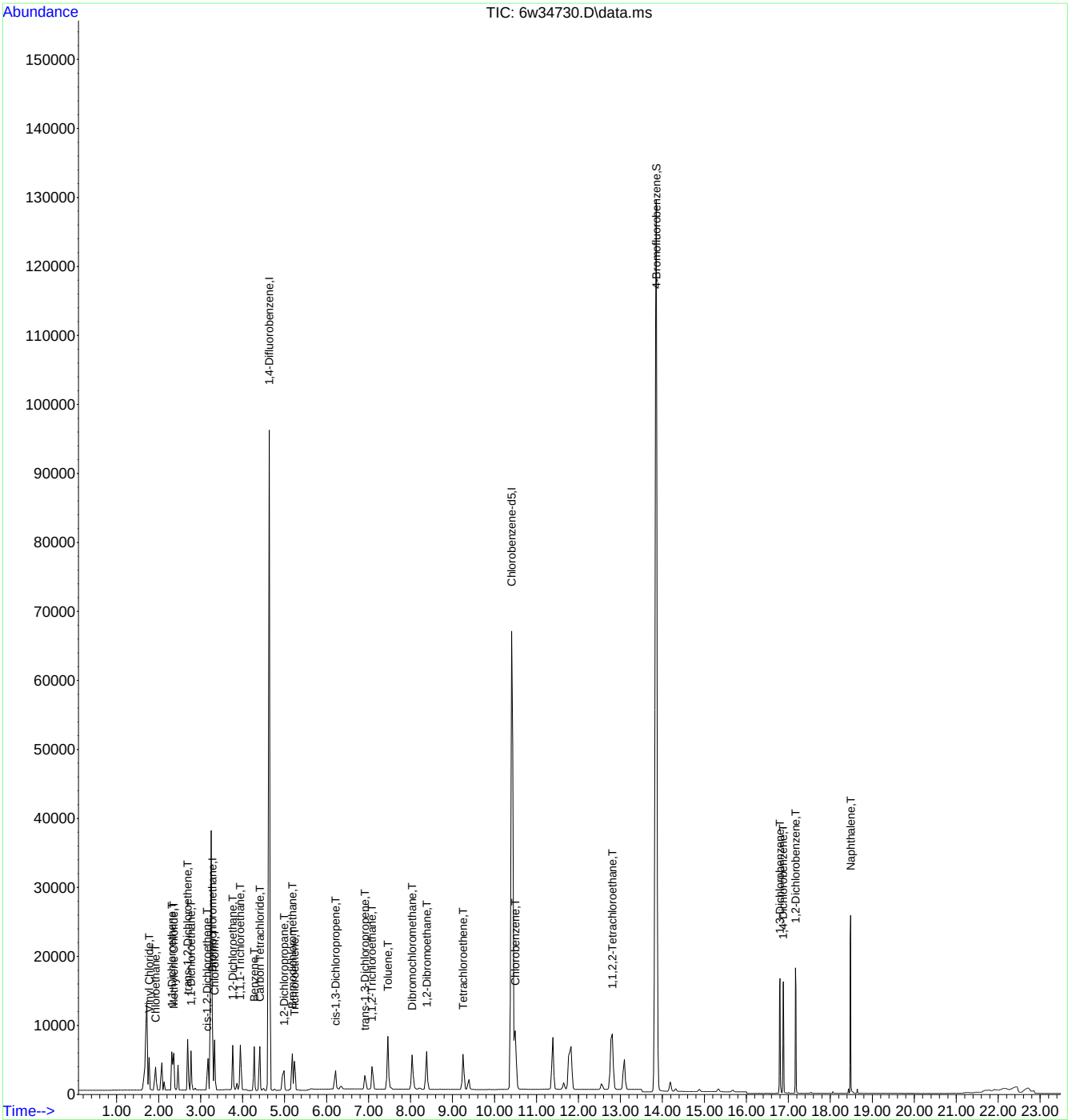
7.7.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34730.D
Acq On : 30 Jan 2025 2:25 am
Operator : benk
Sample : ic1441-1.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 11:03:06 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:56:21 2025
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V6W1441-IC1441
Lab FileID: 6W34730.D
Injection Time: 01/30/25 02:25

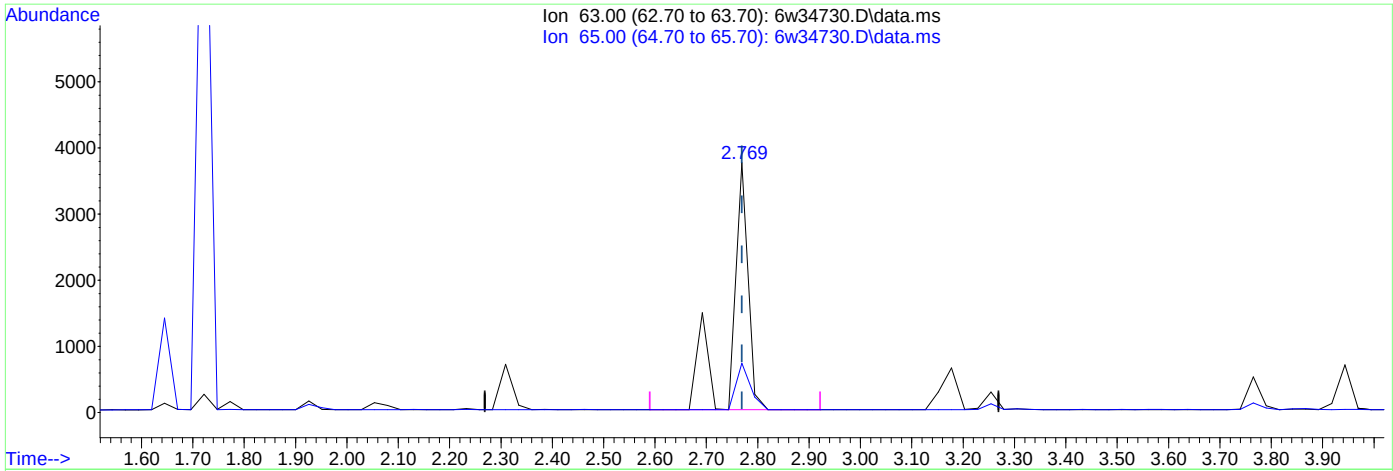
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

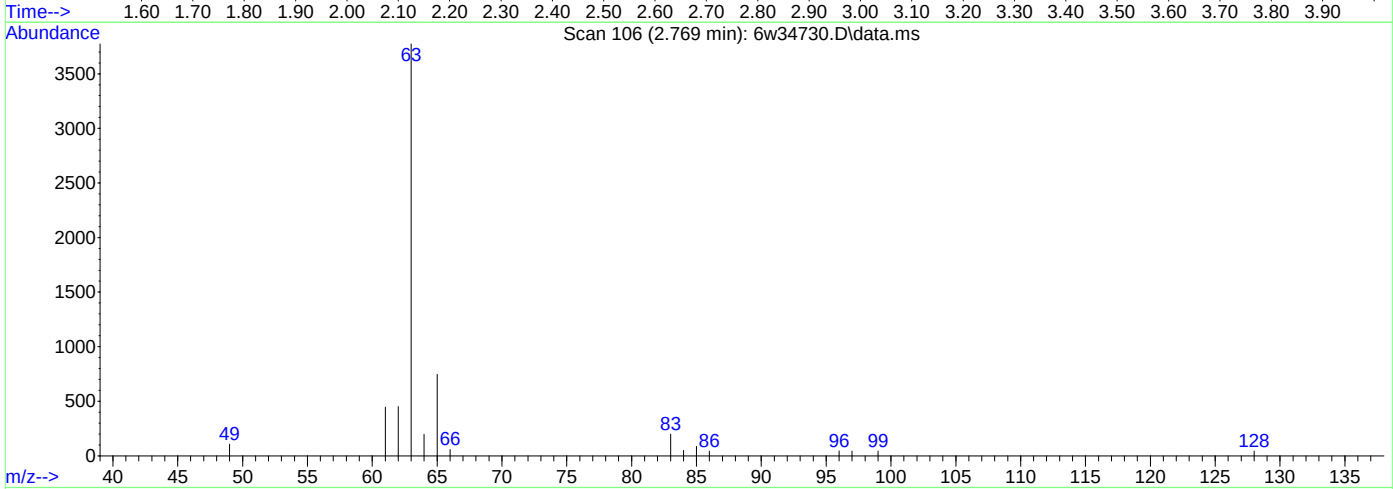
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34730.D
Acq On : 30 Jan 2025 2:25 am
Operator : benk
Sample : ic1441-1.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 10:59:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:56:21 2025
Response via : Initial Calibration





TIC: 6w34730.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 1.52ppb(v)

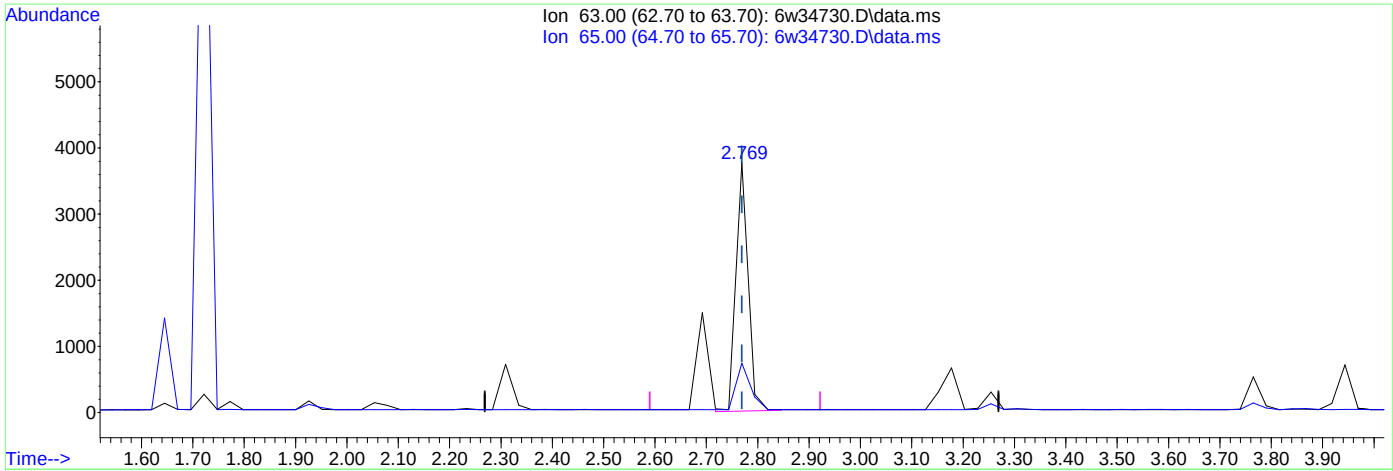
response 8361

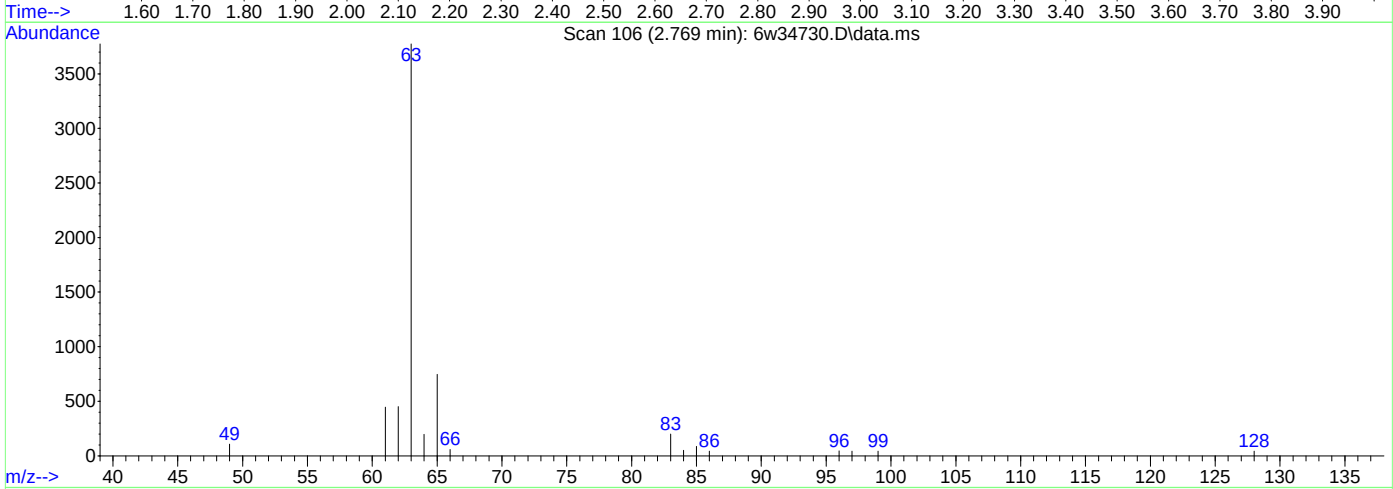
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	19.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34730.D
Acq On : 30 Jan 2025 2:25 am
Operator : benk
Sample : ic1441-1.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 10:59:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:56:21 2025
Response via : Initial Calibration





TIC: 6w34730.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 1.13ppb(v) m

response 6228

Ion	Exp%	Act%
63.00	100	100
65.00	27.70	19.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34732.D
Acq On : 30 Jan 2025 3:50 am
Operator : benk
Sample : ic1441-5.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 11:03:58 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:03:21 2025
Response via : Initial Calibration

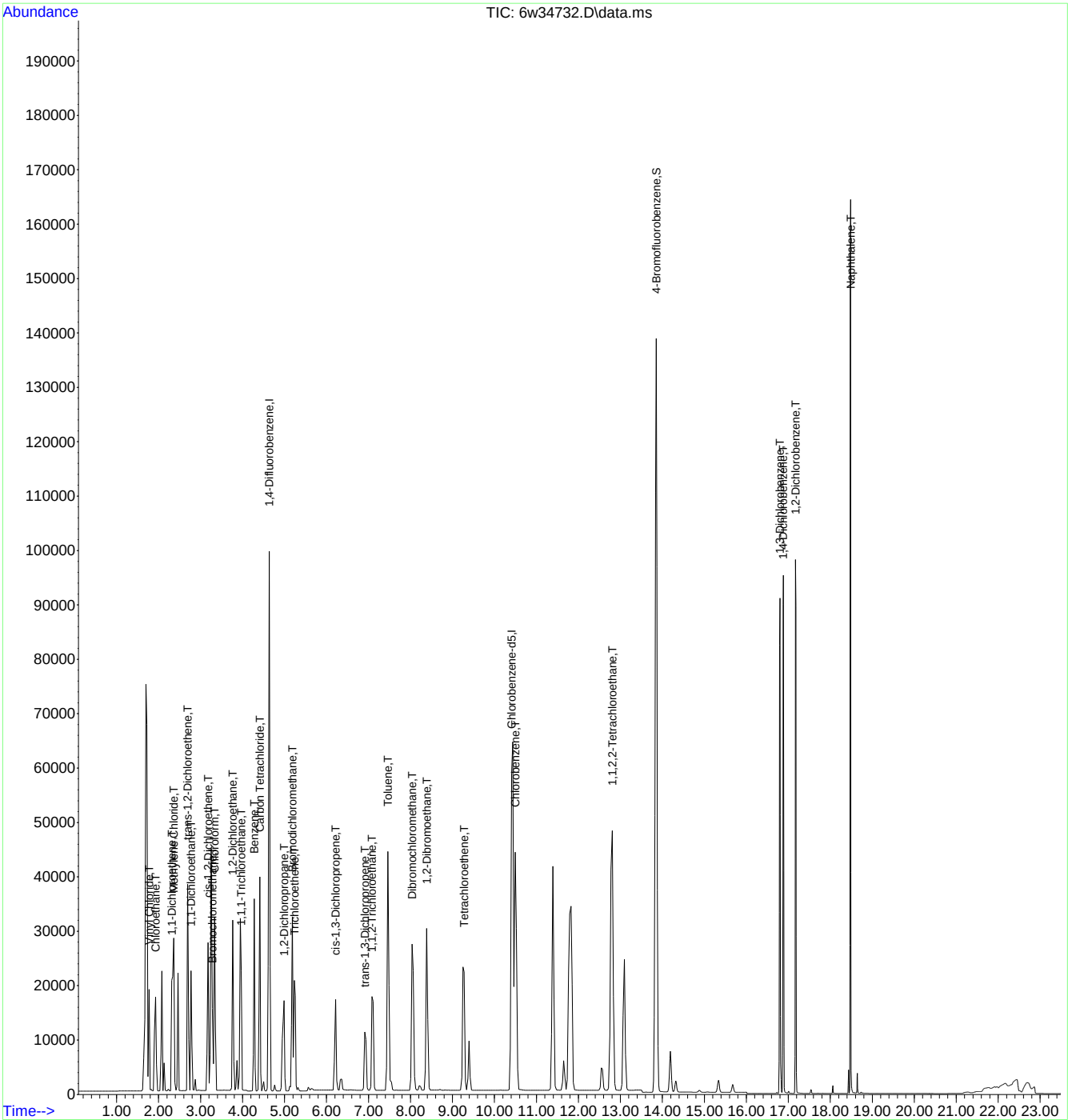
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	29926	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	154416	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	77300	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	114045	9.98	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.80%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	17367	3.67	ppb(v	77
3) Vinyl Chloride	1.773	62	21835	3.98	ppb(v#	75
4) Chloroethane	1.927	64	16643	4.64	ppb(v#	79
5) 1,1-Dichloroethene	2.310	61	25450	3.86	ppb(v#	72
6) trans-1,2-Dichloroethene	2.693	61	40162	5.09	ppb(v#	84
7) 1,1-Dichloroethane	2.769	63	26456	4.31	ppb(v#	79
8) cis-1,2-Dichloroethene	3.178	61	23034	5.14	ppb(v	81
9) Chloroform	3.331	83	33404	4.62	ppb(v	90
10) 1,1,1-Trichloroethane	3.970	97	32092	5.37	ppb(v	95
11) 1,2-Dichloroethane	3.765	62	29016	5.00	ppb(v	83
12) Benzene	4.278	78	48199	5.14	ppb(v	90
13) Carbon Tetrachloride	4.411	117	37830	5.86	ppb(v	99
15) Toluene	7.459	92	39339	5.97	ppb(v	88
16) Trichloroethene	5.232	95	24670	5.16	ppb(v	94
17) 1,2-Dichloropropane	4.988	65	5923	5.33	ppb(v#	37
18) Bromodichloromethane	5.187	83	38883	5.63	ppb(v	94
19) cis-1,3-Dichloropropene	6.216	75	25814	5.85	ppb(v	80
20) trans-1,3-Dichloropropene	6.909	75	22889	6.15	ppb(v#	73
21) 1,1,2-Trichloroethane	7.083	83	21287	6.24	ppb(v	90
22) Dibromochloromethane	8.037	129	46458	6.82	ppb(v	100
23) Tetrachloroethene	9.279	166	44627	5.79	ppb(v	84
24) 1,2-Dibromoethane	8.383	107	41042	6.16	ppb(v	95
26) Chlorobenzene	10.493	112	62079	5.42	ppb(v	89
27) 1,1,2,2-Tetrachloroethane	12.806	83	57838	5.68	ppb(v	96
29) 1,3-Dichlorobenzene	16.800	146	71350	5.61	ppb(v	85
30) 1,4-Dichlorobenzene	16.877	146	73245	5.96	ppb(v	96
31) 1,2-Dichlorobenzene	17.173	146	70113	5.82	ppb(v	95
32) Naphthalene	18.484	128	147348	6.58	ppb(v	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34732.D
Acq On : 30 Jan 2025 3:50 am
Operator : benk
Sample : ic1441-5.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 11:03:58 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:03:21 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 12:16:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration

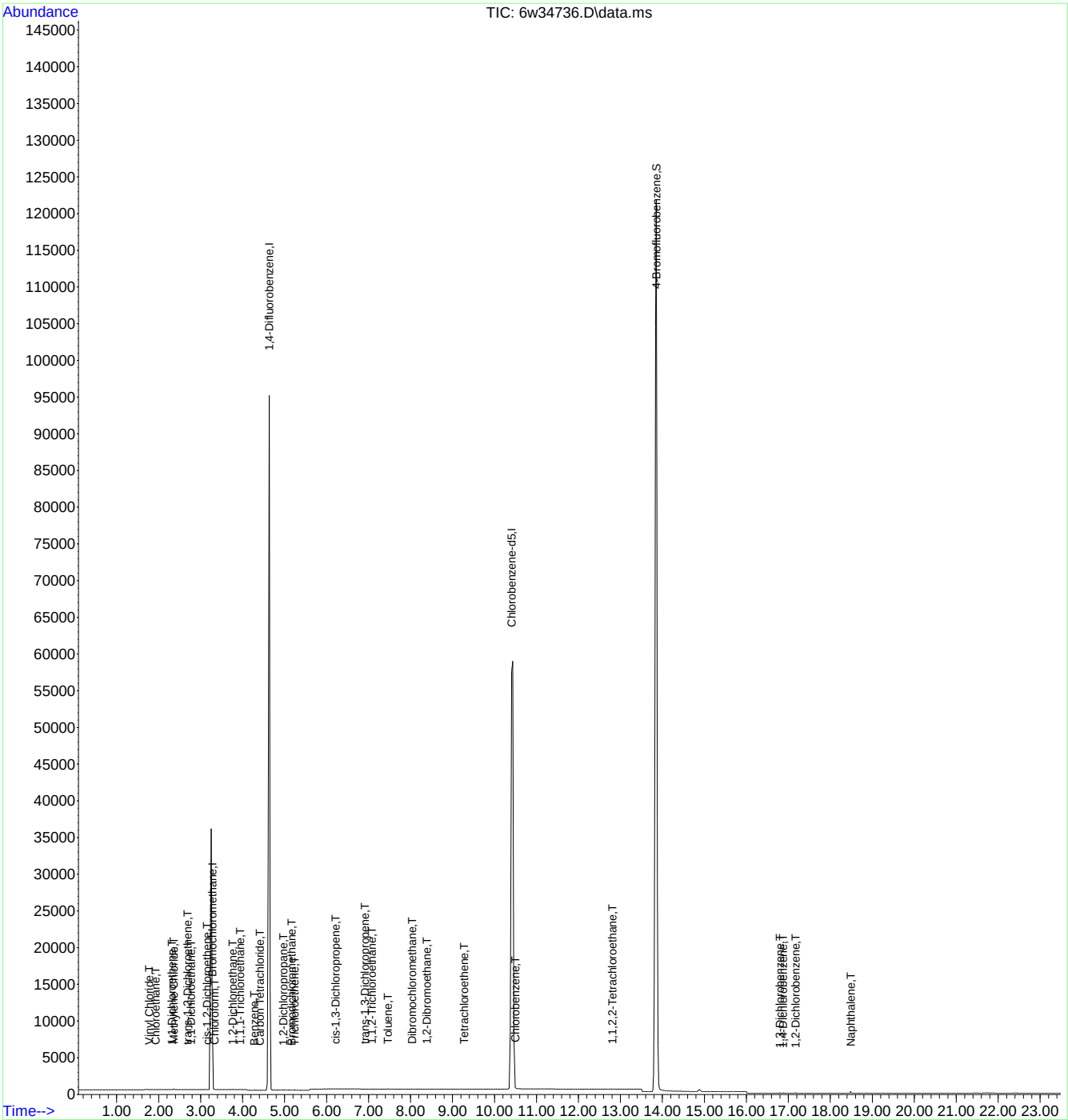
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26529	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	148642	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	71450	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	102668	9.71	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 97.10%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	84	0.01	ppb(v#	76
3) Vinyl Chloride	1.773	62	15	0.00	ppb(v#	1
4) Chloroethane	1.926	64	9m	0.00	ppb(v	
5) 1,1-Dichloroethene	2.309	61	17m	0.00	ppb(v	
6) trans-1,2-Dichloroethene	2.692	61	14	0.00	ppb(v#	1
7) 1,1-Dichloroethane	2.769	63	15m	0.00	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	12	0.00	ppb(v#	63
9) Chloroform	3.331	83	15	0.00	ppb(v#	52
10) 1,1,1-Trichloroethane	3.944	97	11	0.00	ppb(v	82
11) 1,2-Dichloroethane	3.765	62	11m	0.00	ppb(v	
12) Benzene	4.278	78	35m	0.00	ppb(v	
13) Carbon Tetrachloride	4.411	117	9	0.00	ppb(v	94
15) Toluene	7.458	92	33m	0.00	ppb(v	
16) Trichloroethene	5.231	95	13m	0.00	ppb(v	
17) 1,2-Dichloropropane	4.965	65	3	0.00	ppb(v#	25
18) Bromodichloromethane	5.165	83	16m	0.00	ppb(v	
19) cis-1,3-Dichloropropene	6.215	75	9	0.00	ppb(v#	37
20) trans-1,3-Dichloropropene	6.909	75	10	0.00	ppb(v#	28
21) 1,1,2-Trichloroethane	7.082	83	7m	0.00	ppb(v	
22) Dibromochloromethane	8.036	129	14	0.00	ppb(v	85
23) Tetrachloroethene	9.279	166	16m	0.00	ppb(v	
24) 1,2-Dibromoethane	8.383	107	16	0.00	ppb(v	97
26) Chlorobenzene	10.493	112	31m	0.00	ppb(v	
27) 1,1,2,2-Tetrachloroethane	12.805	83	23	0.00	ppb(v#	66
29) 1,3-Dichlorobenzene	16.800	146	57	0.00	ppb(v#	63
30) 1,4-Dichlorobenzene	16.877	146	56	0.00	ppb(v#	76
31) 1,2-Dichlorobenzene	17.173	146	55	0.00	ppb(v	77
32) Naphthalene	18.483	128	258	0.01	ppb(v#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 12:16:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration



Manual Integration Approval Summary

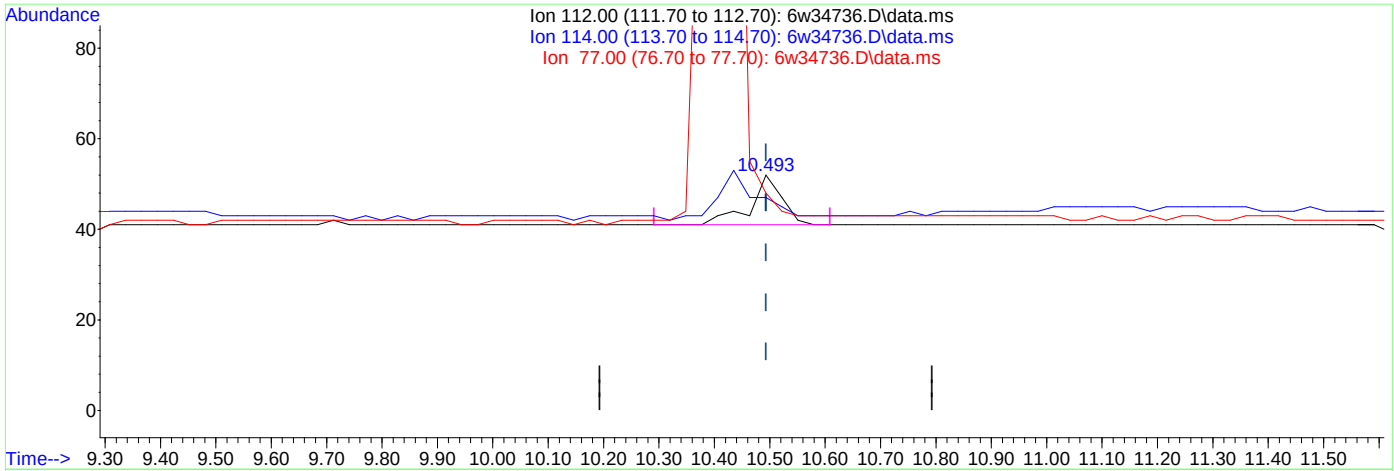
Sample Number: V6W1441-IC1441
Lab FileID: 6W34736.D
Injection Time: 01/30/25 06:31
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

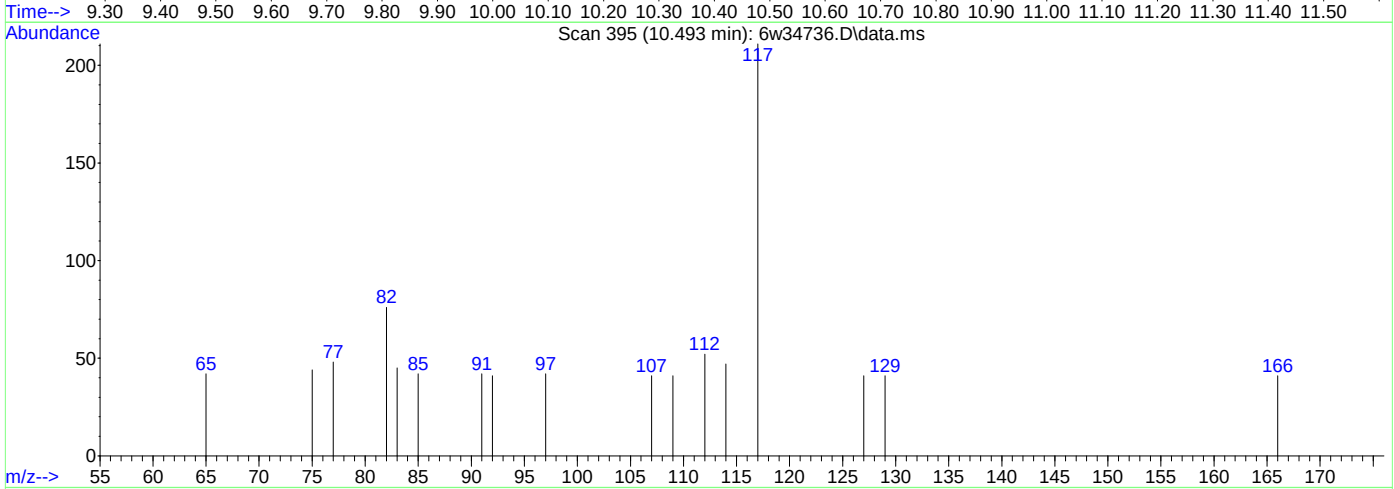
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroethane	75-00-3		1.93	Poor instrument integration
1,1-Dichloroethylene	75-35-4		2.31	Poor instrument integration
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration
1,2-Dichloroethane	107-06-2		3.76	Poor instrument integration
Benzene	71-43-2		4.28	Poor instrument integration
Bromodichloromethane	75-27-4		5.16	Poor instrument integration
Trichloroethylene	79-01-6		5.23	Poor instrument integration
1,1,2-Trichloroethane	79-00-5		7.08	Poor instrument integration
Toluene	108-88-3		7.46	Poor instrument integration
Tetrachloroethylene	127-18-4		9.28	Poor instrument integration
Chlorobenzene	108-90-7		10.49	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(26) Chlorobenzene (T)

10.493min (-0.000) 0.00ppb(v)

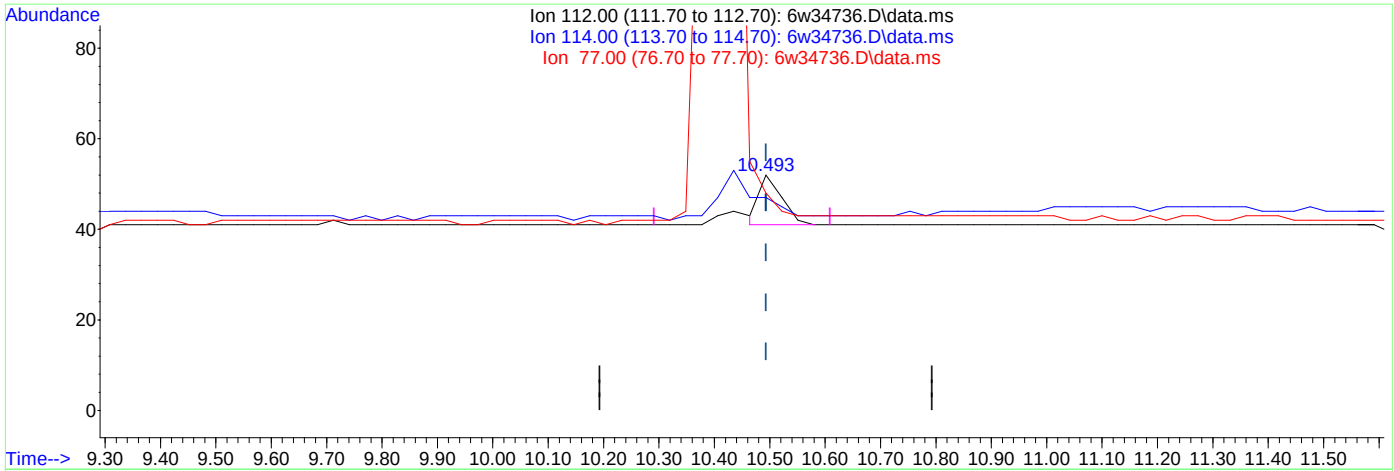
response 43

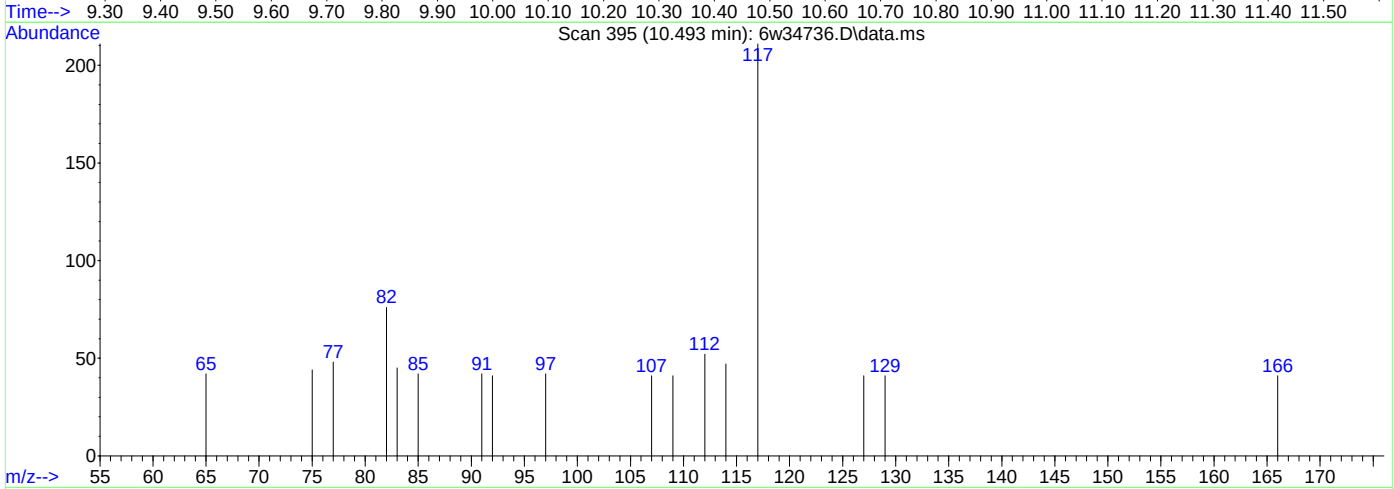
Ion	Exp%	Act%
112.00	100	100
114.00	38.60	90.38#
77.00	48.80	92.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(26) Chlorobenzene (T)

10.493min (-0.000) 0.00ppb(v) m

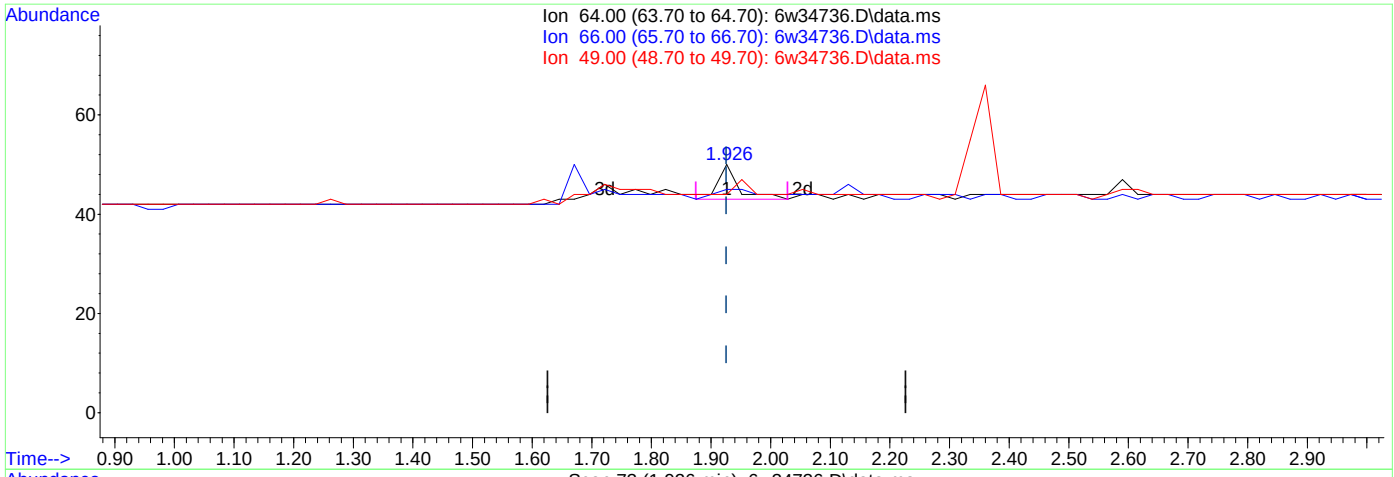
response 31

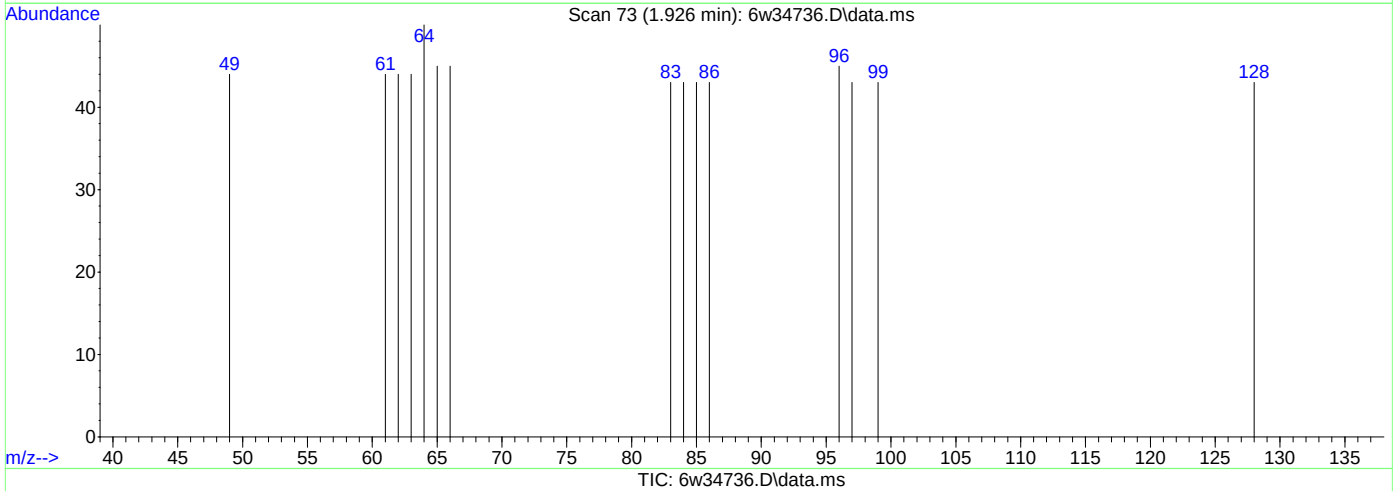
Ion	Exp%	Act%
112.00	100	100
114.00	38.60	90.38#
77.00	48.80	92.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(4) Chloroethane (T)

1.926min (+0.000) 0.00ppb(v)

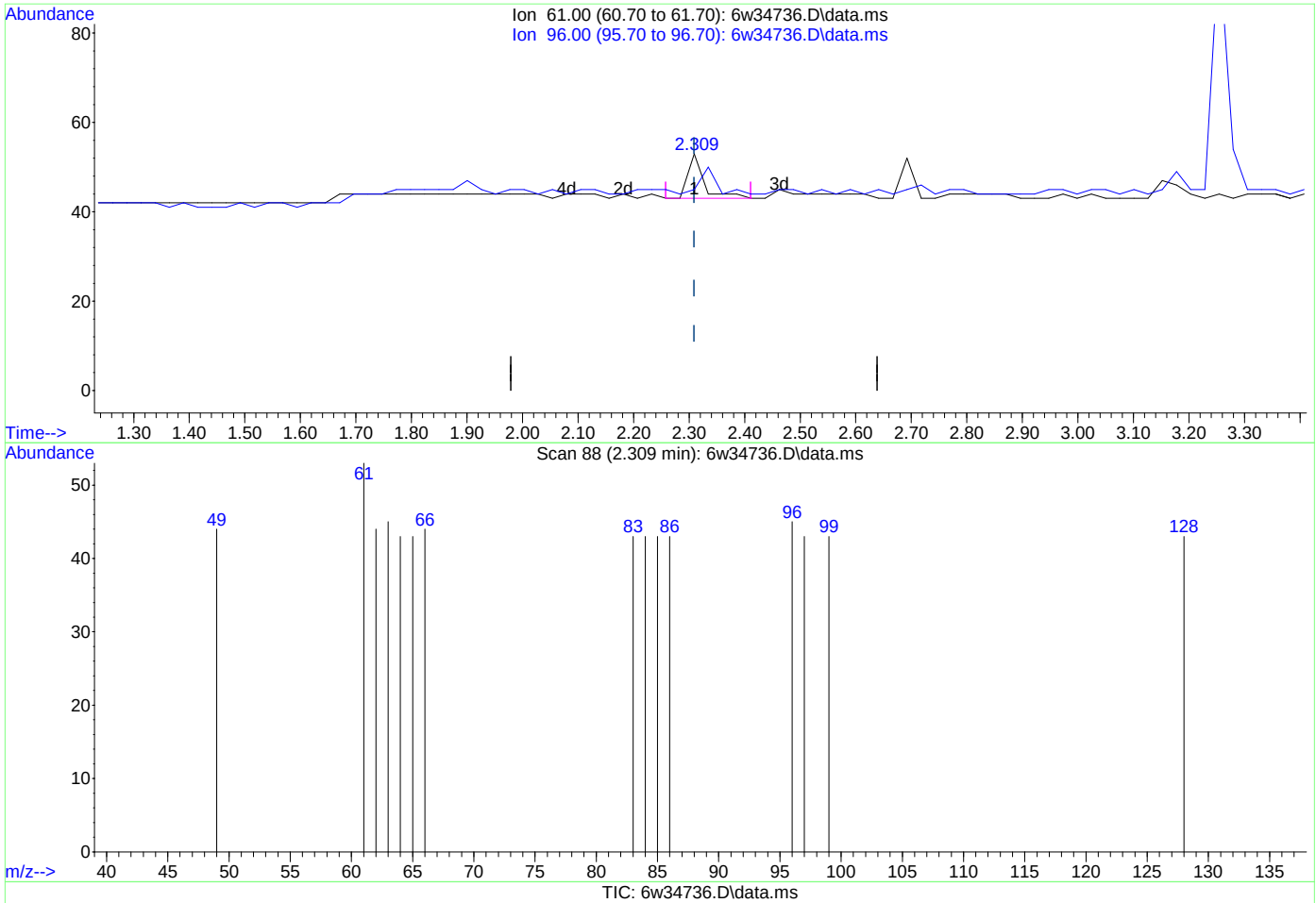
response 17

Ion	Exp%	Act%
64.00	100	100
66.00	34.60	90.00#
49.00	32.70	88.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration



TIC: 6w34736.D\data.ms

(5) 1,1-Dichloroethene (T)

2.309min (+0.000) 0.00ppb(v)

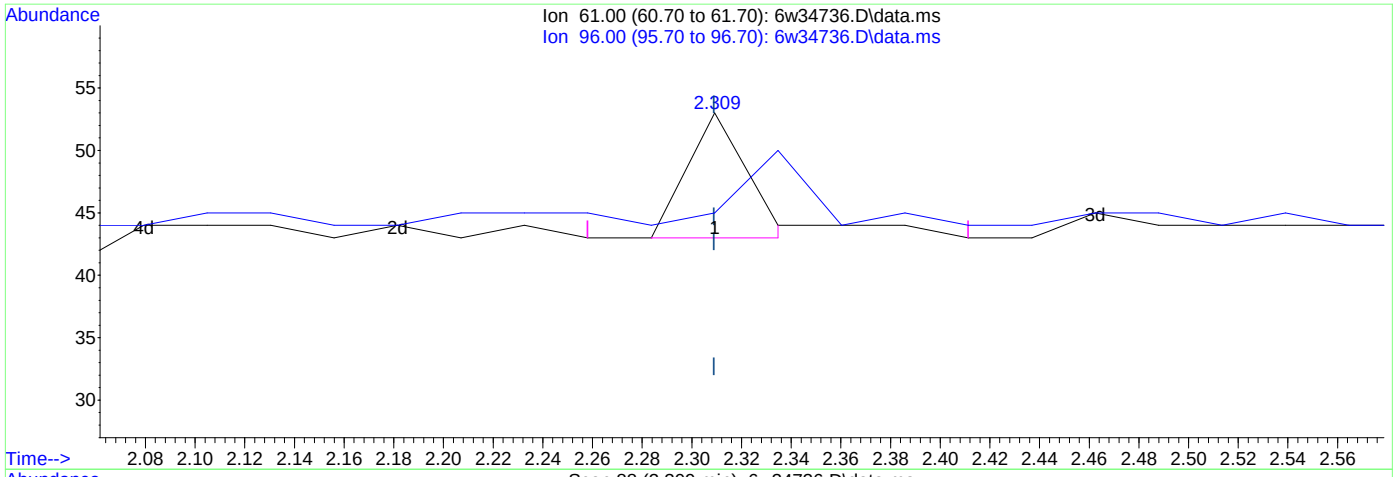
response 20

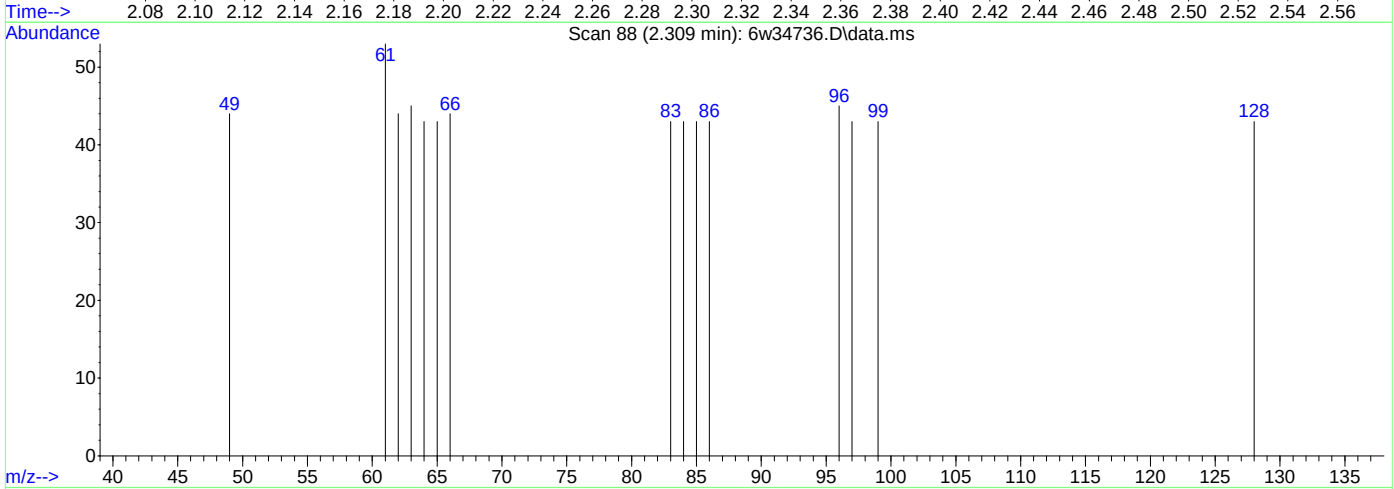
Ion	Exp%	Act%
61.00	100	100
96.00	10.90	84.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(5) 1,1-Dichloroethene (T)

2.309min (+0.000) 0.00ppb(v) m

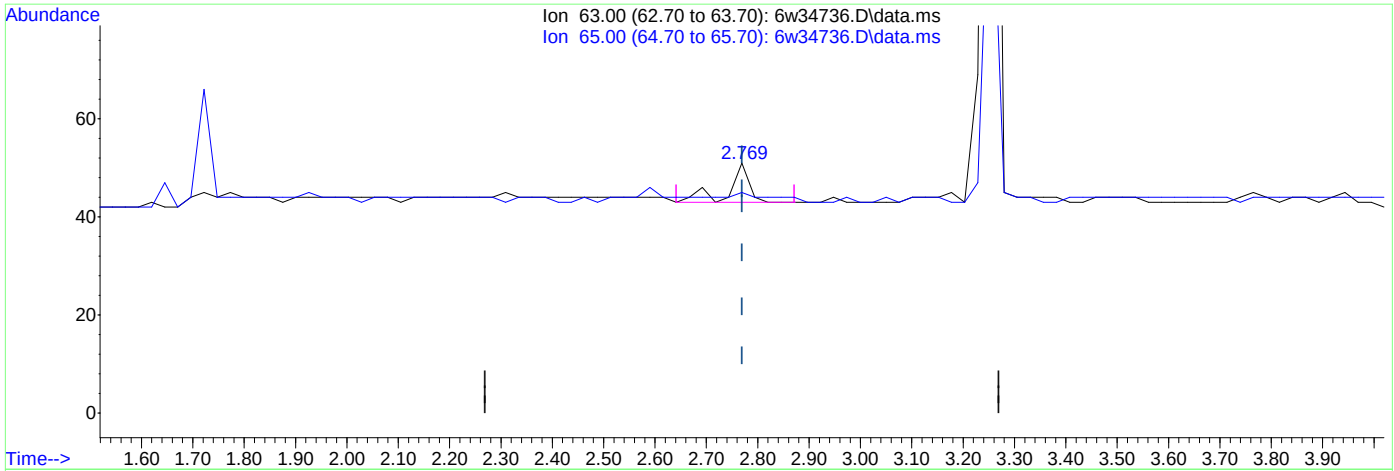
response 17

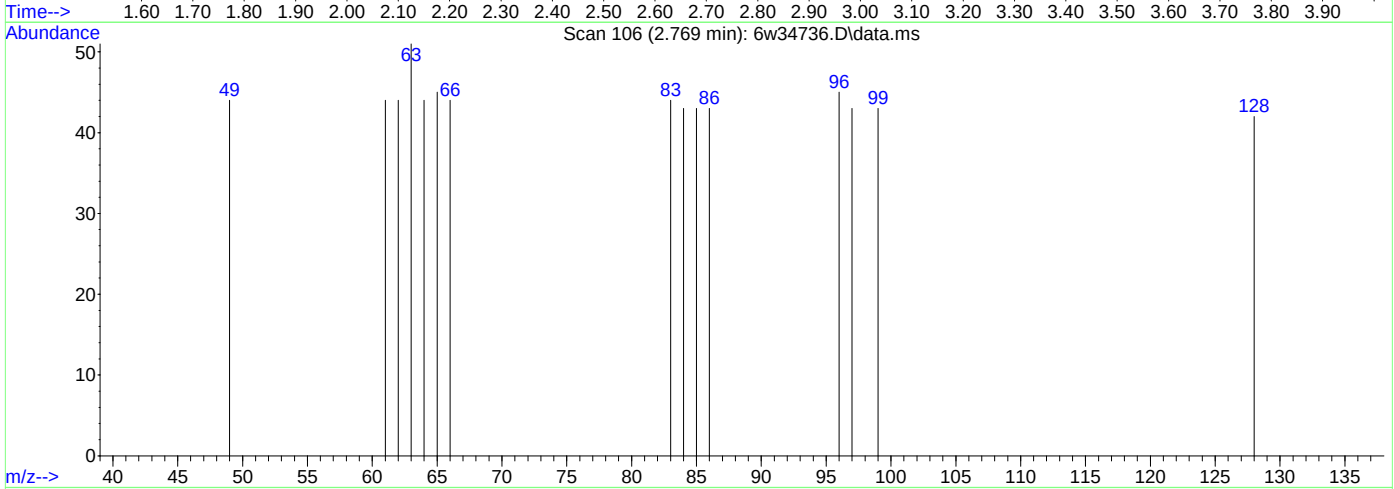
Ion	Exp%	Act%
61.00	100	100
96.00	10.90	84.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.00ppb(v)

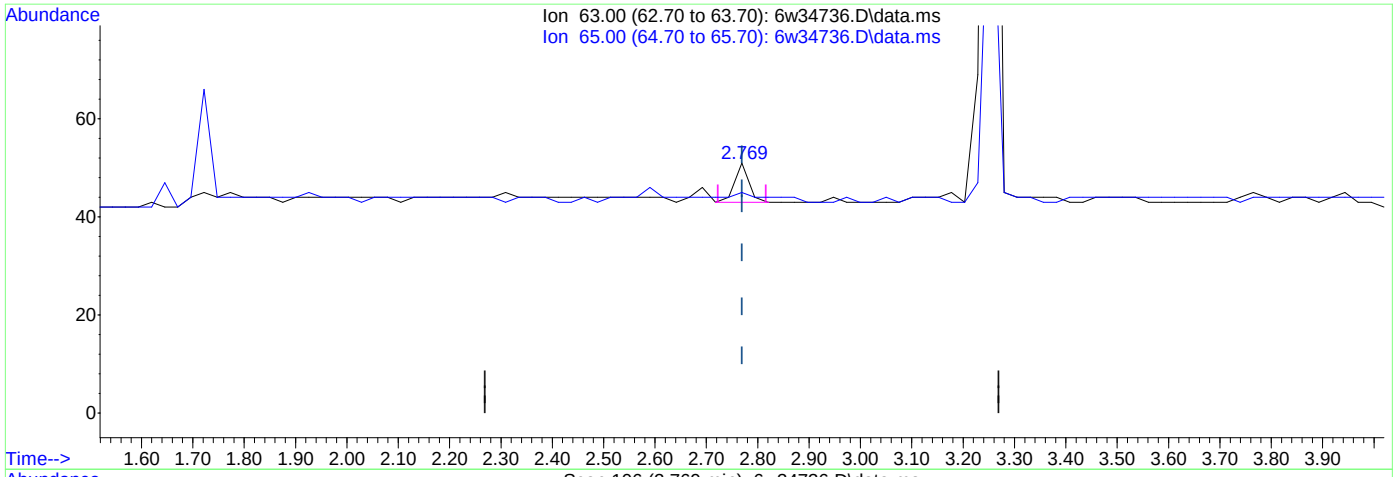
response 21

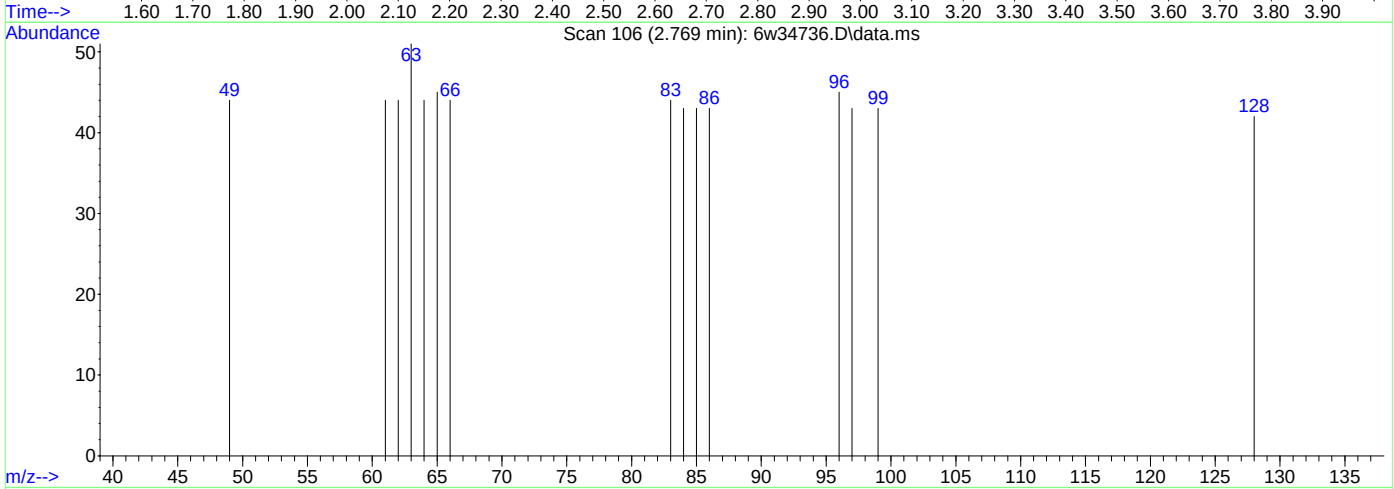
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	88.24#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.00ppb(v) m

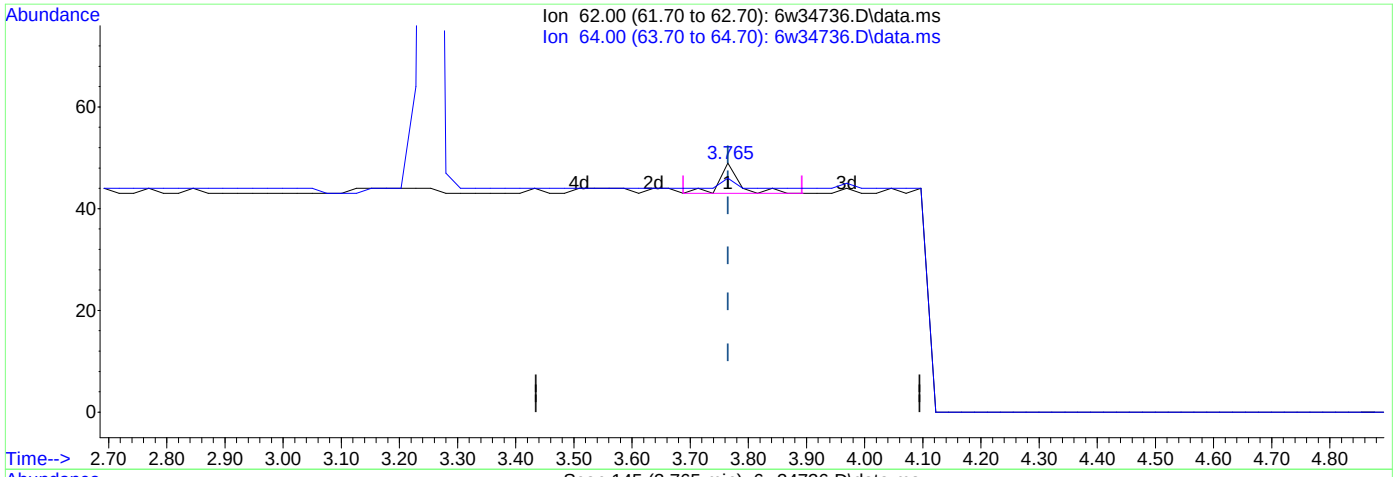
response 15

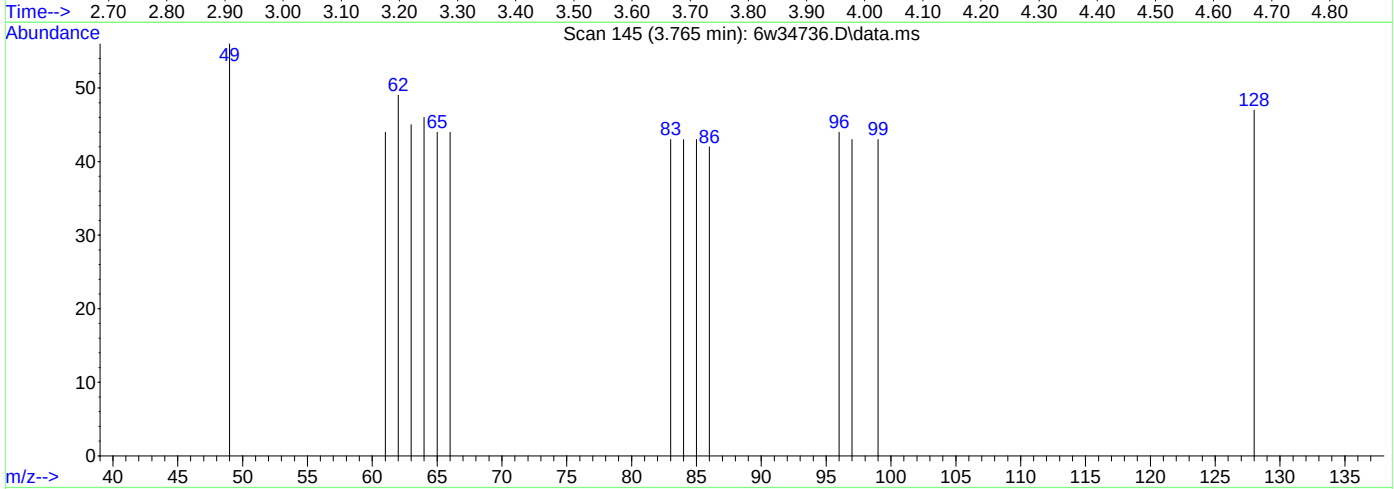
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	88.24#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(11) 1,2-Dichloroethane (T)

3.765min (-0.000) 0.00ppb(v)

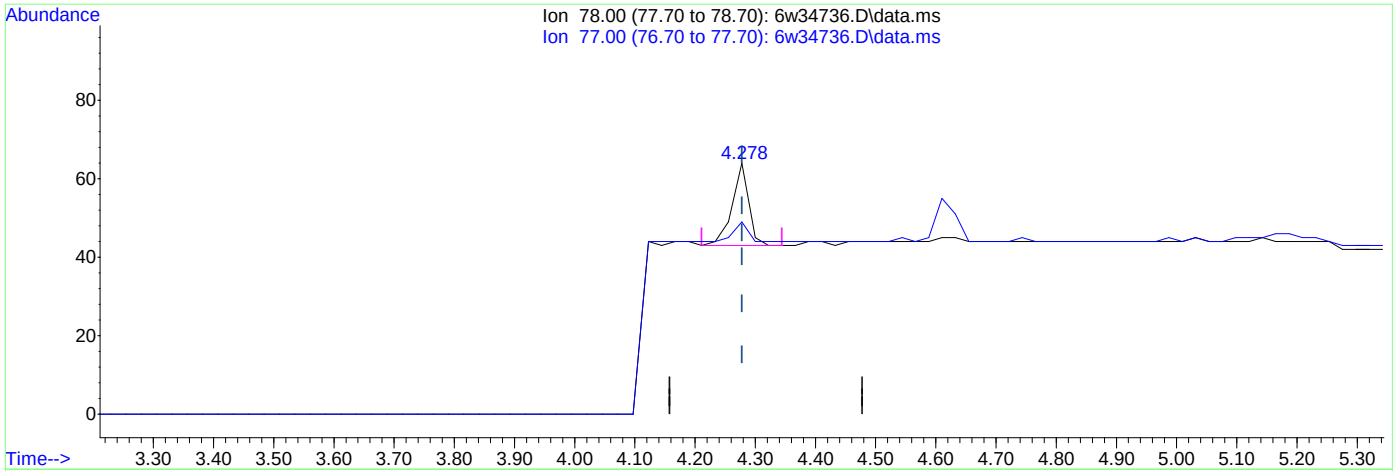
response 14

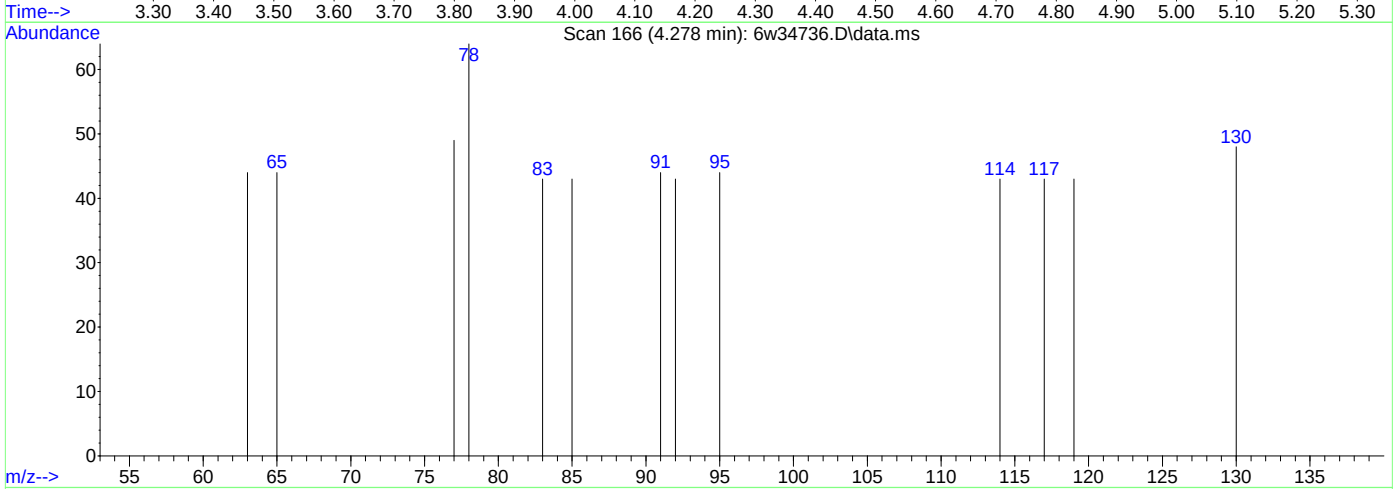
Ion	Exp%	Act%
62.00	100	100
64.00	34.90	93.88#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(12) Benzene (T)

4.278min (-0.000) 0.00ppb(v)

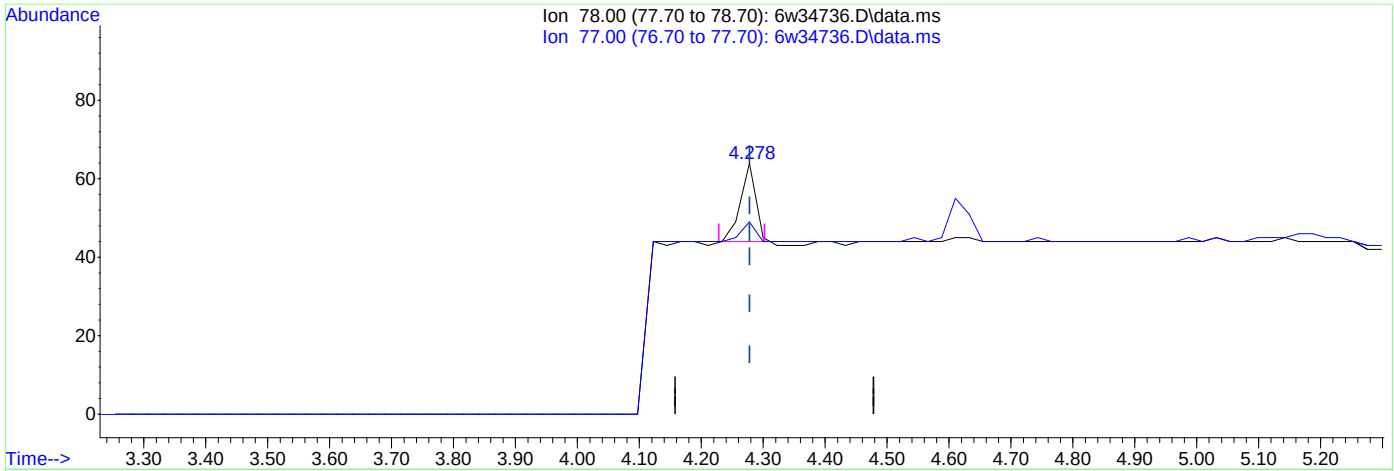
response 40

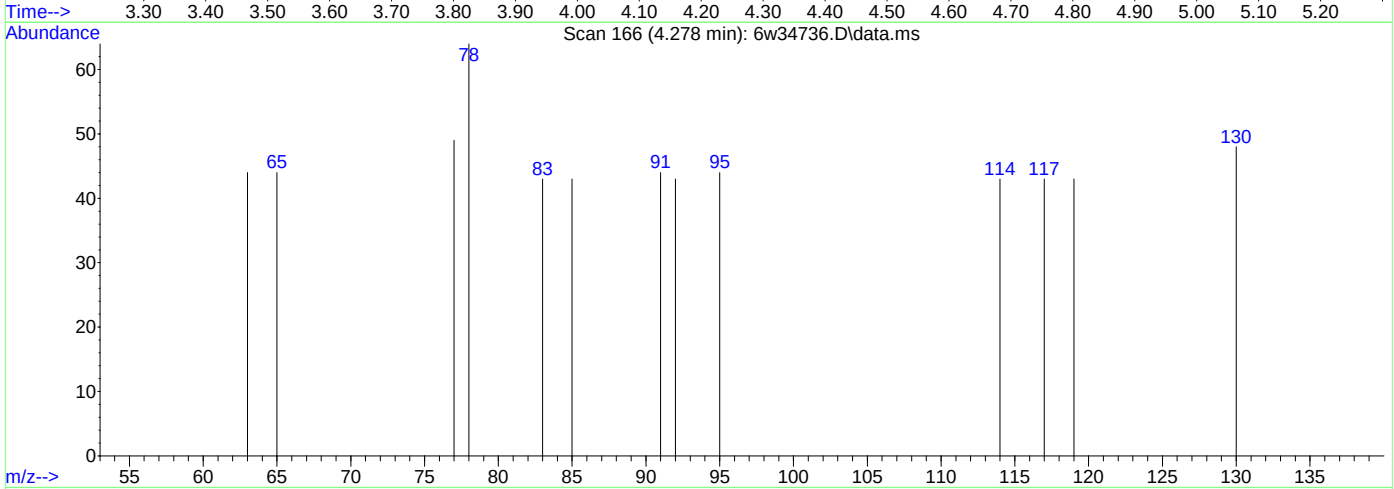
Ion	Exp%	Act%
78.00	100	100
77.00	28.20	76.56#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(12) Benzene (T)

4.278min (-0.000) 0.00ppb(v) m

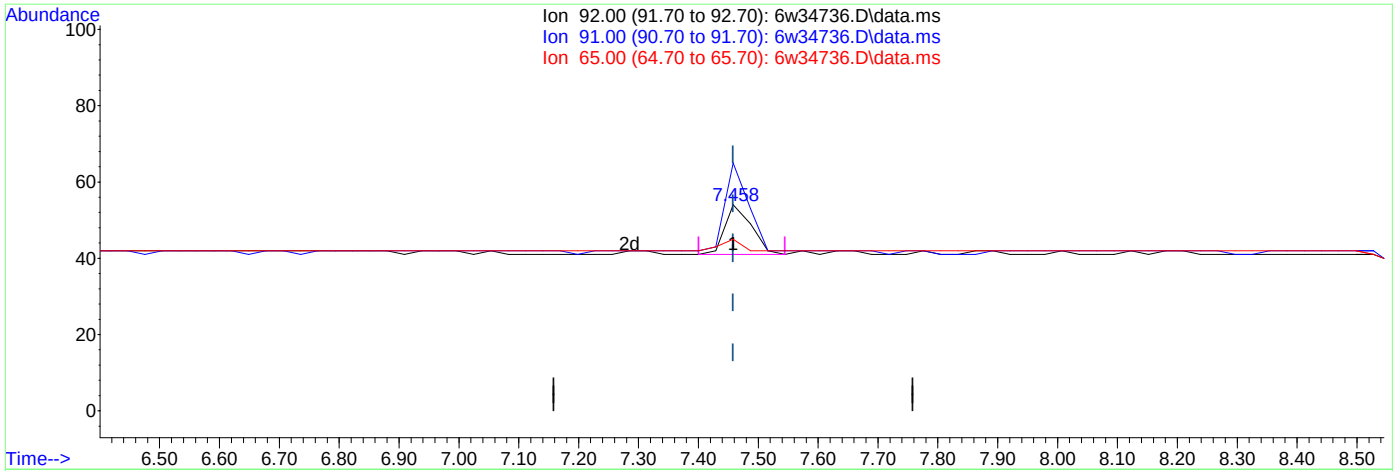
response 35

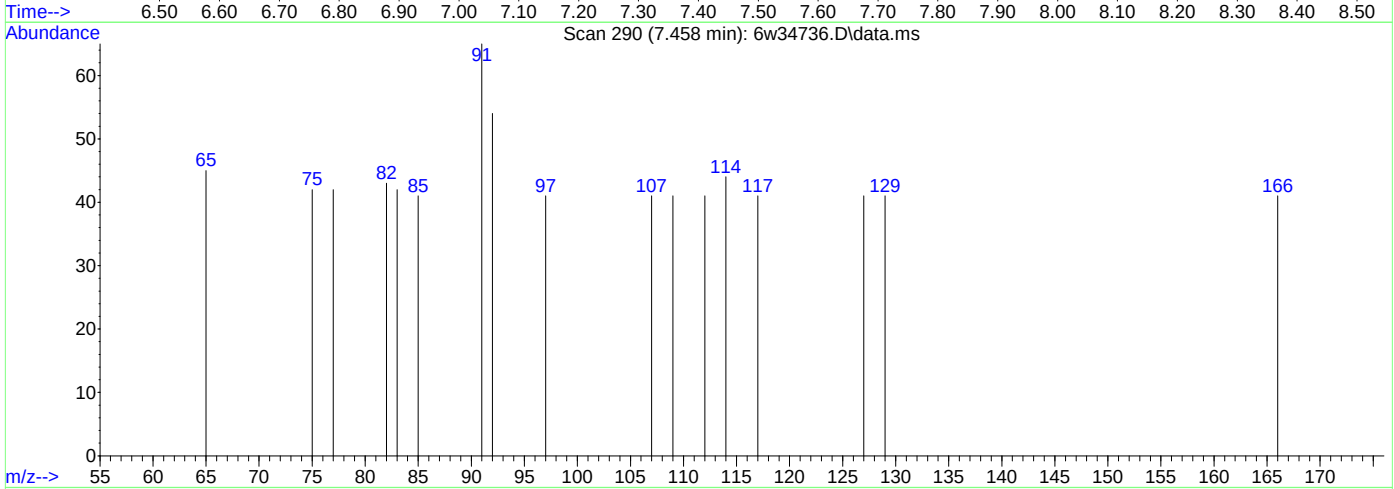
Ion	Exp%	Act%
78.00	100	100
77.00	28.20	76.56#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(15) Toluene (T)

7.458min (+0.000) 0.01ppb(v)

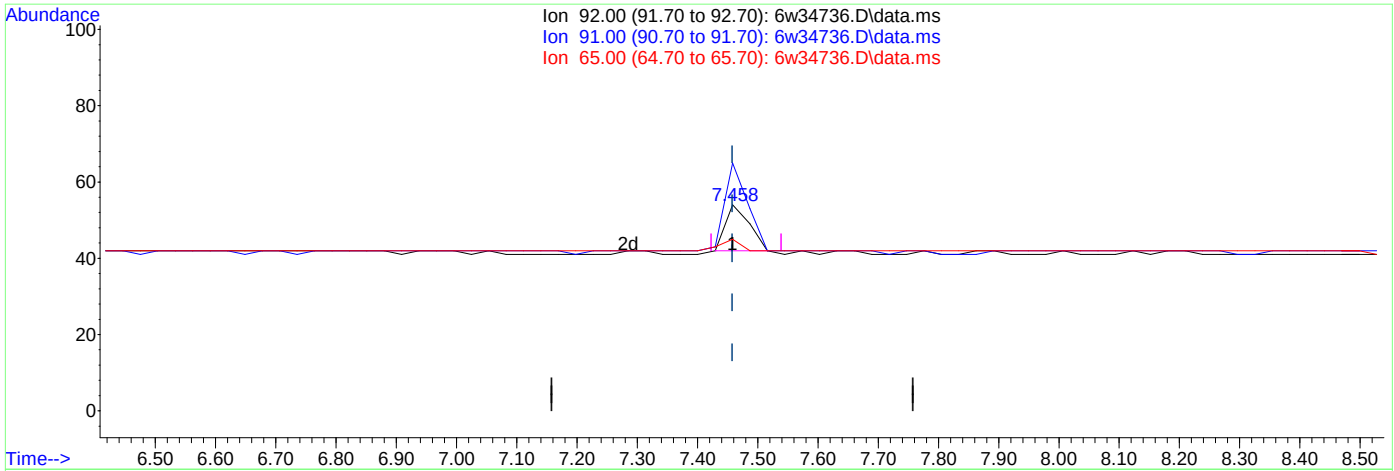
response 40

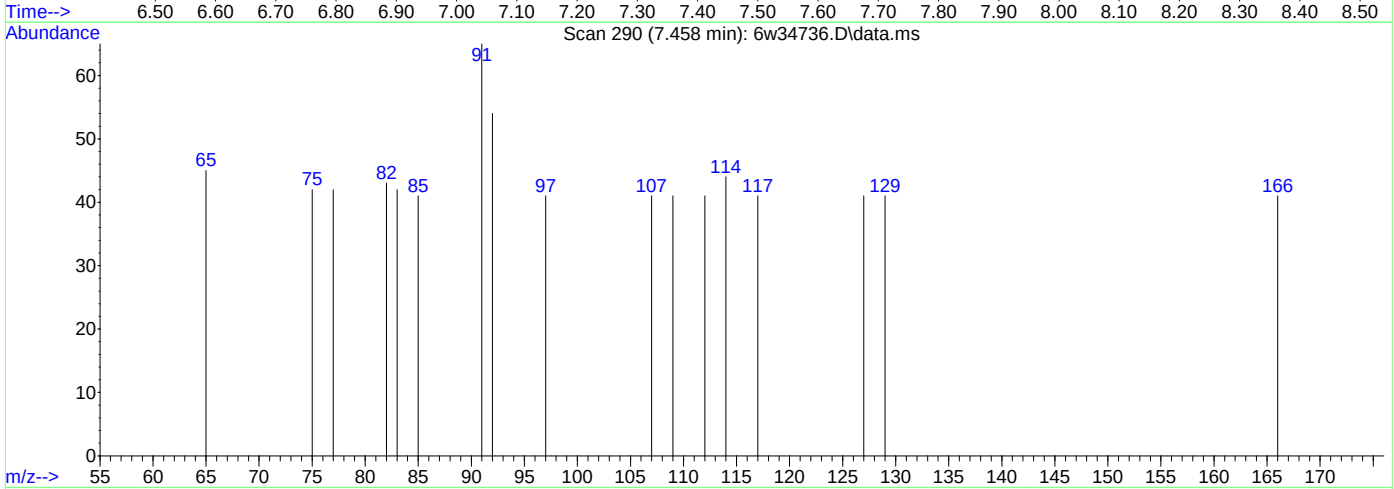
Ion	Exp%	Act%
92.00	100	100
91.00	165.40	120.37
65.00	32.00	83.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(15) Toluene (T)

7.458min (+0.000) 0.00ppb(v) m

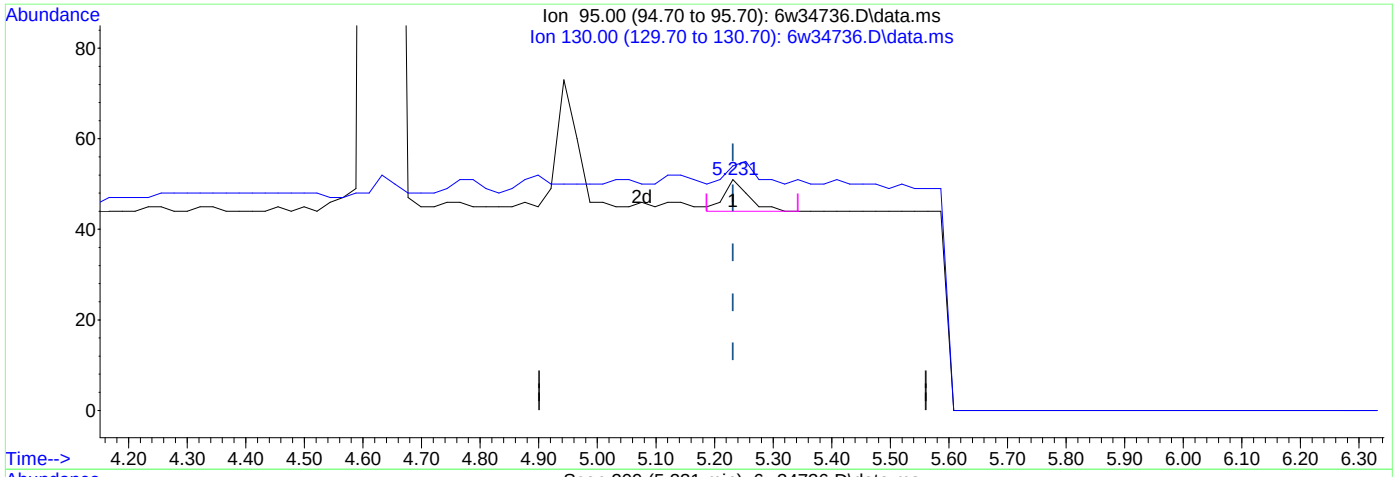
response 33

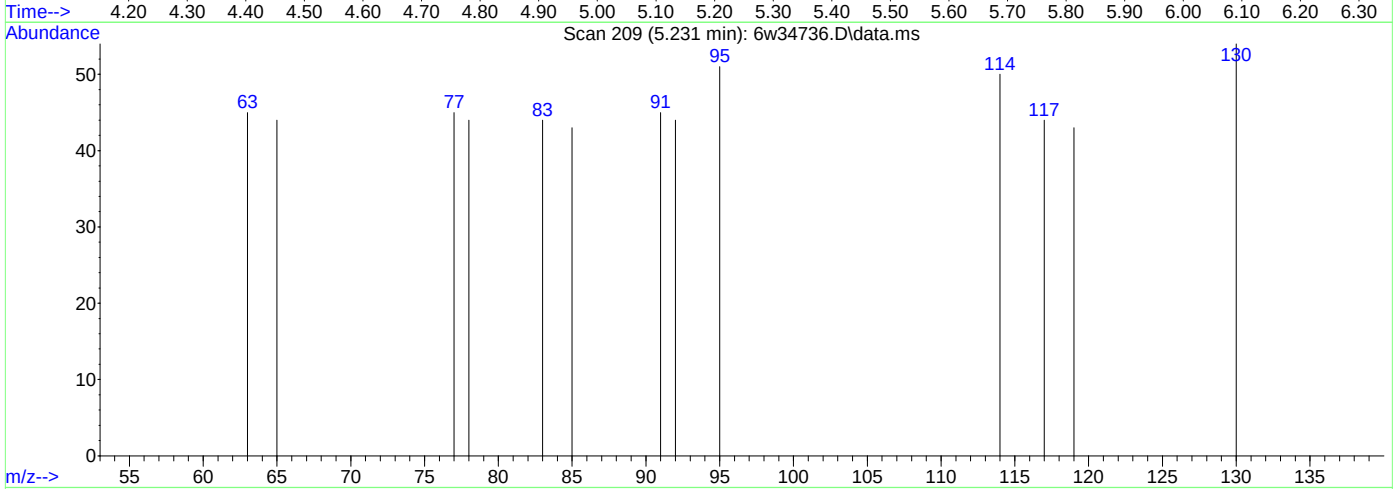
Ion	Exp%	Act%
92.00	100	100
91.00	165.40	120.37
65.00	32.00	83.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(16) Trichloroethene (T)

5.231min (+0.000) 0.00ppb(v)

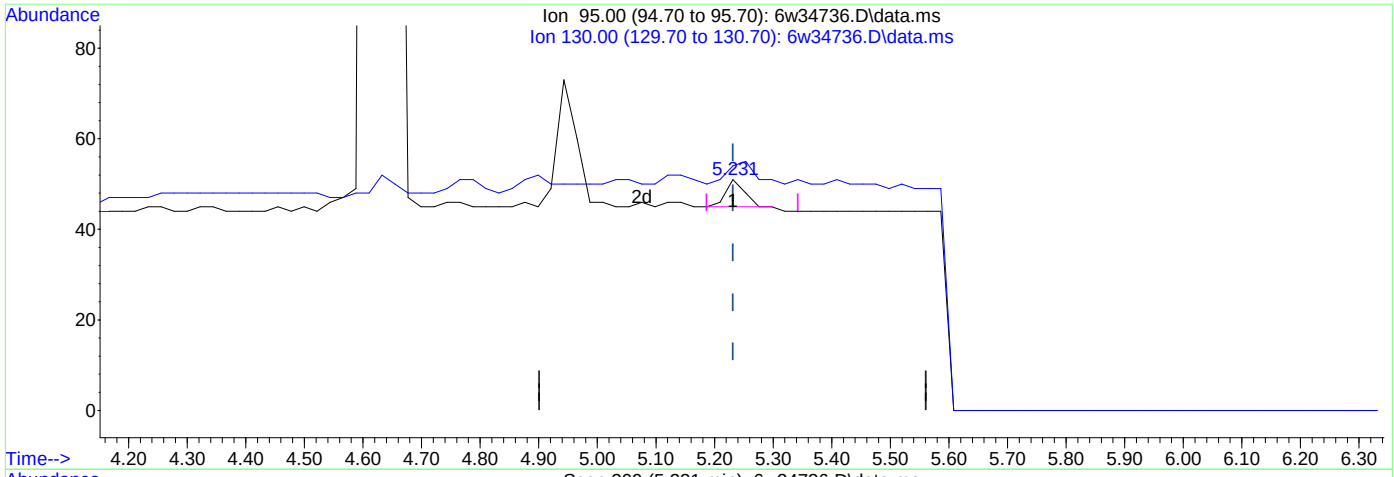
response 20

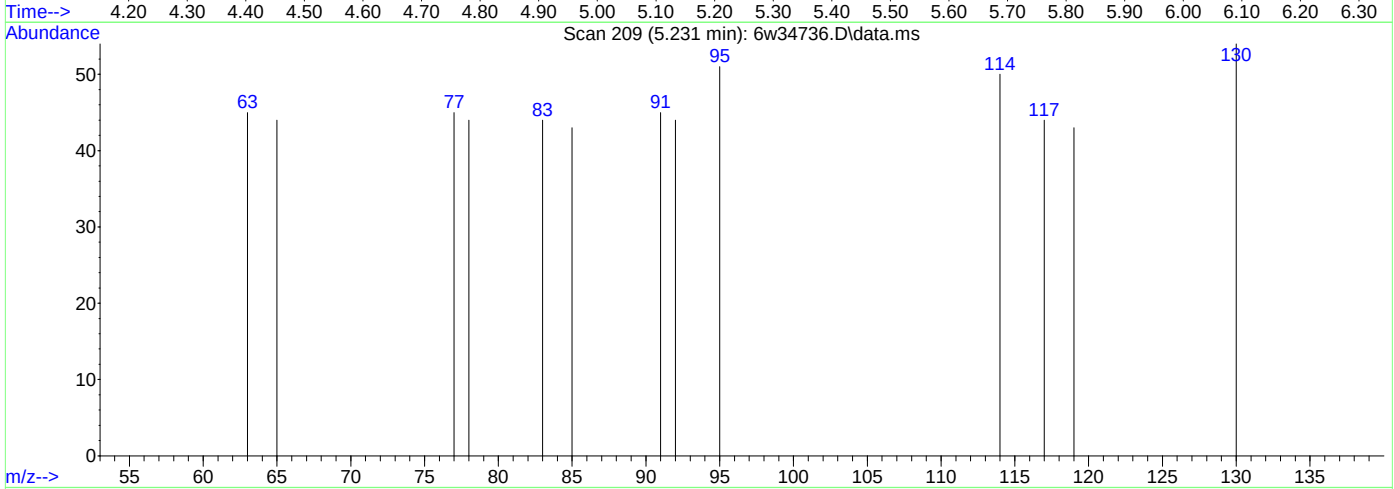
Ion	Exp%	Act%
95.00	100	100
130.00	82.80	105.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(16) Trichloroethene (T)

5.231min (+0.000) 0.00ppb(v) m

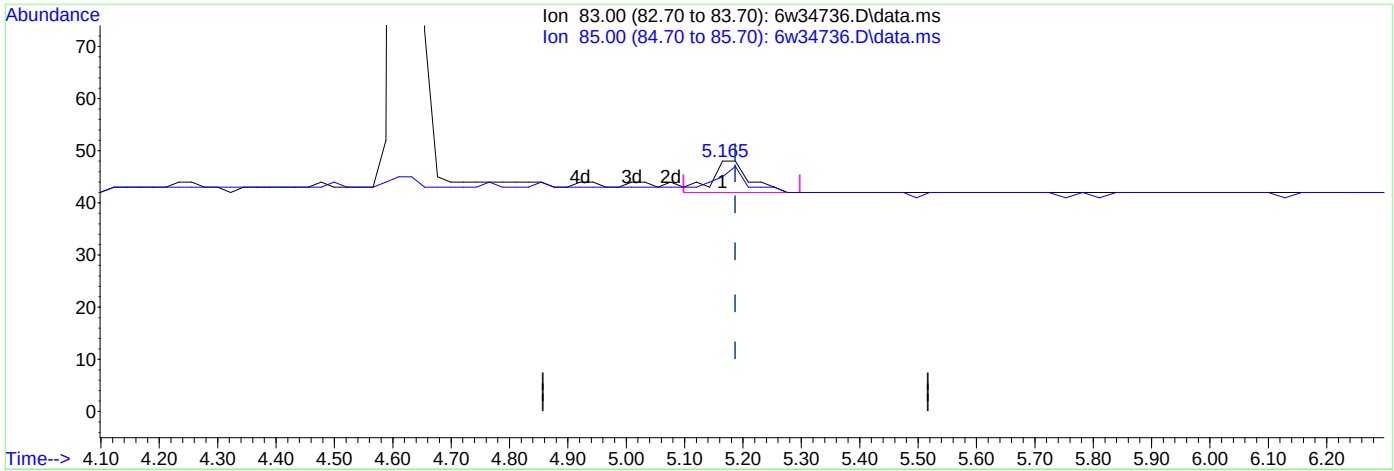
response 13

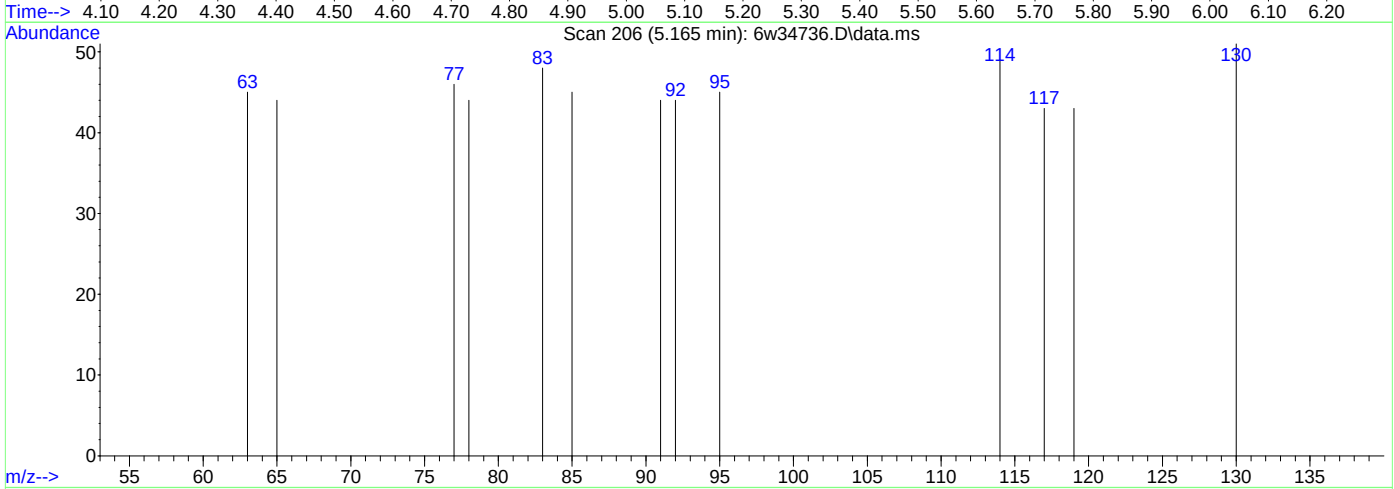
Ion	Exp%	Act%
95.00	100	100
130.00	82.80	105.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(18) Bromodichloromethane (T)

5.165min (-0.022) 0.00ppb(v)

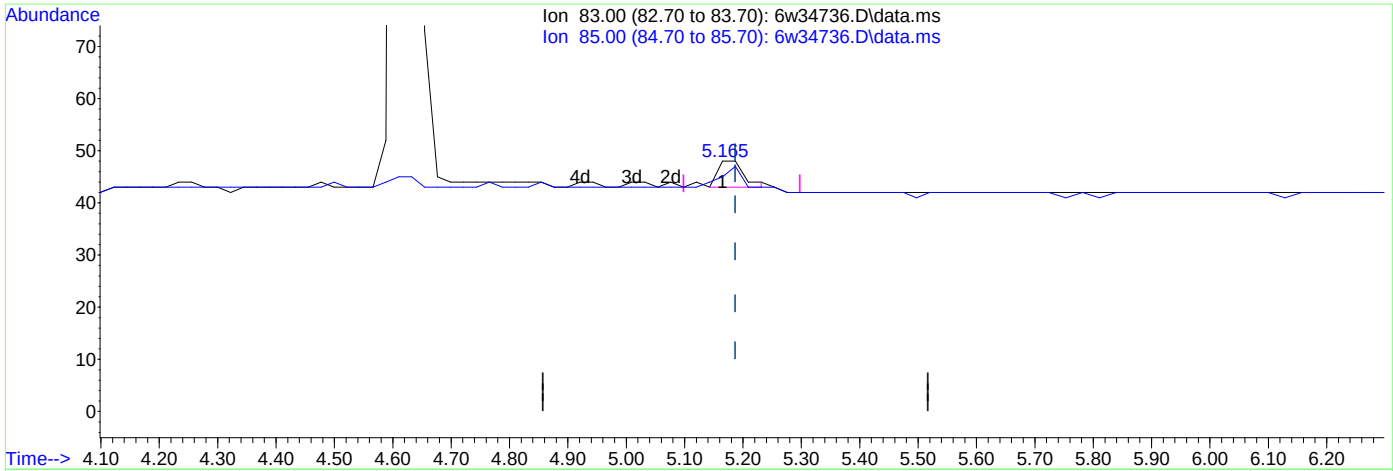
response 27

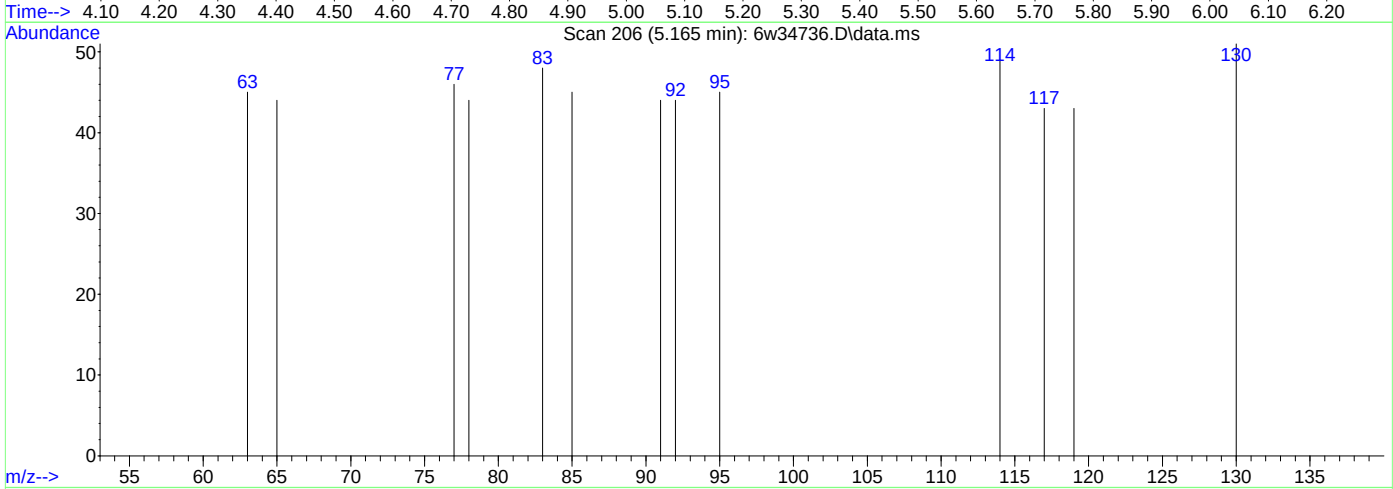
Ion	Exp%	Act%
83.00	100	100
85.00	71.50	93.75#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(18) Bromodichloromethane (T)

5.165min (-0.022) 0.00ppb(v) m

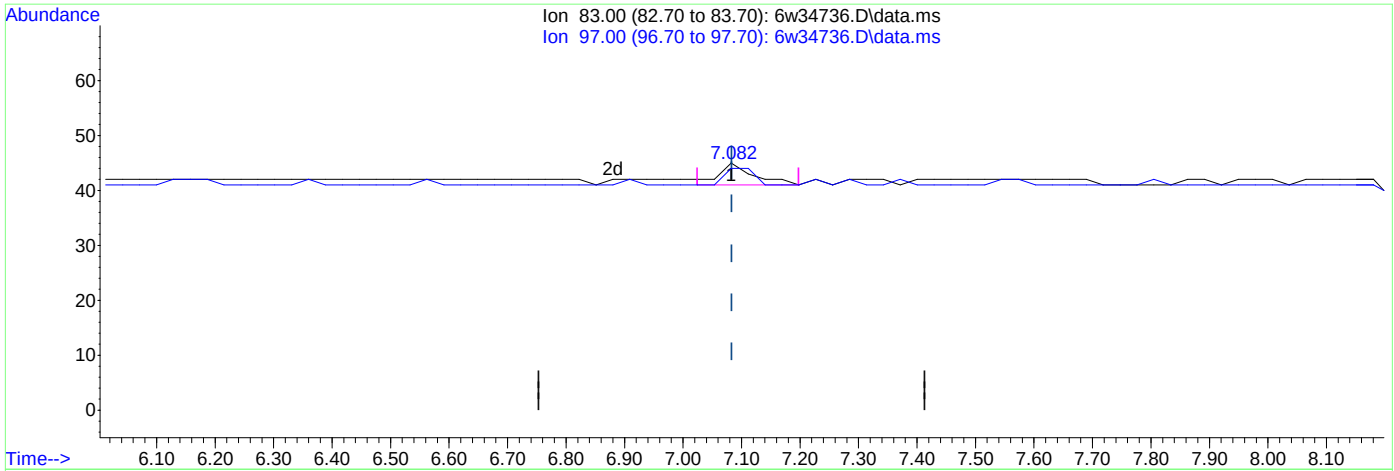
response 16

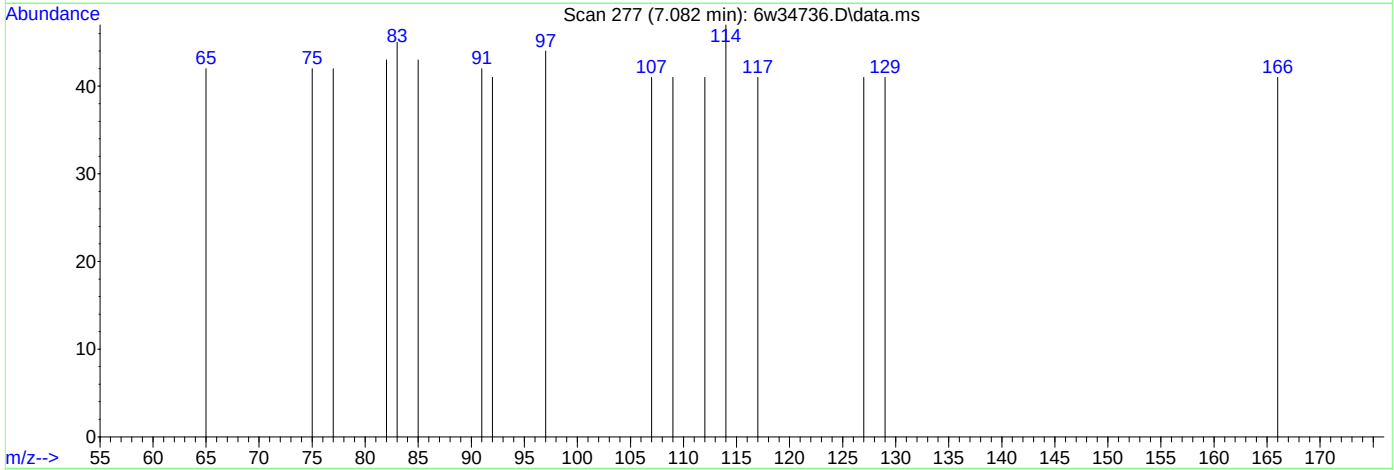
Ion	Exp%	Act%
83.00	100	100
85.00	71.50	93.75#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:58:36 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(21) 1,1,2-Trichloroethane (T)

7.082min (-0.001) 0.00ppb(v)

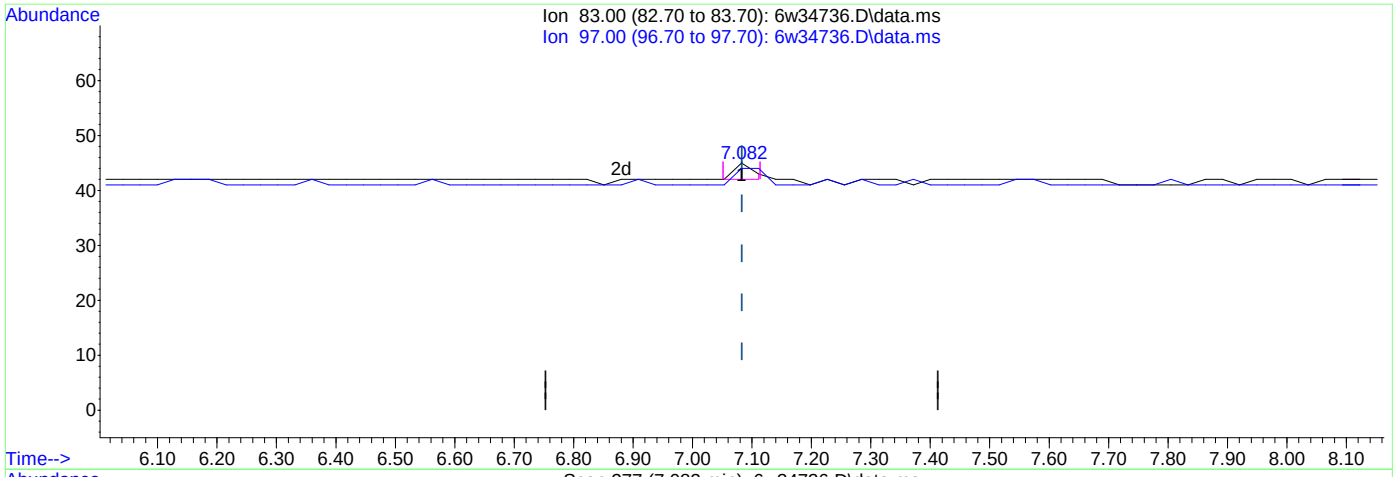
response 16

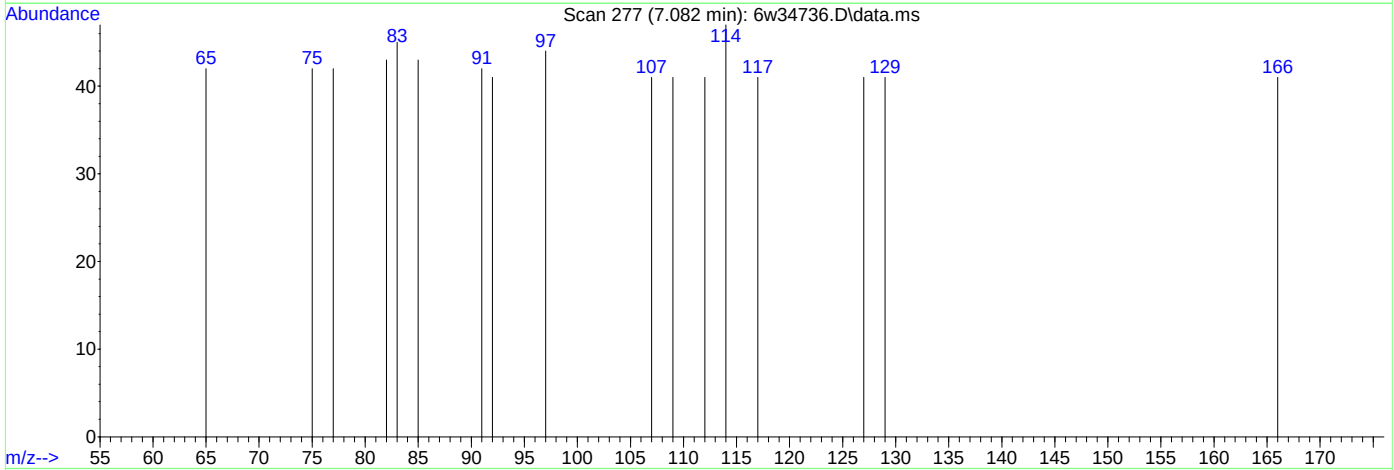
Ion	Exp%	Act%
83.00	100	100
97.00	89.40	97.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:58:36 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(21) 1,1,2-Trichloroethane (T)

7.082min (-0.001) 0.00ppb(v) m

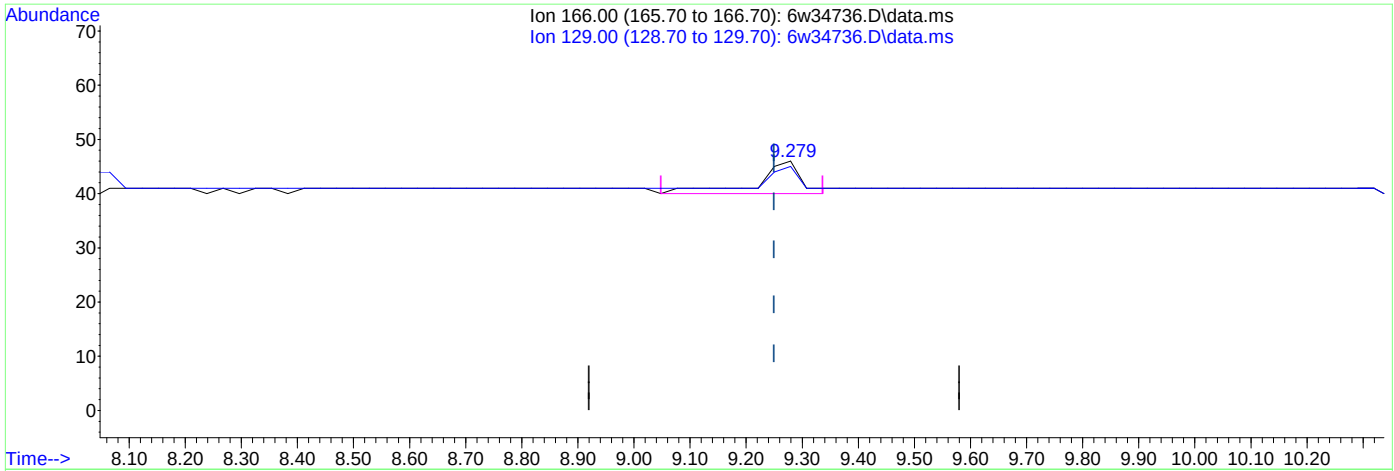
response 7

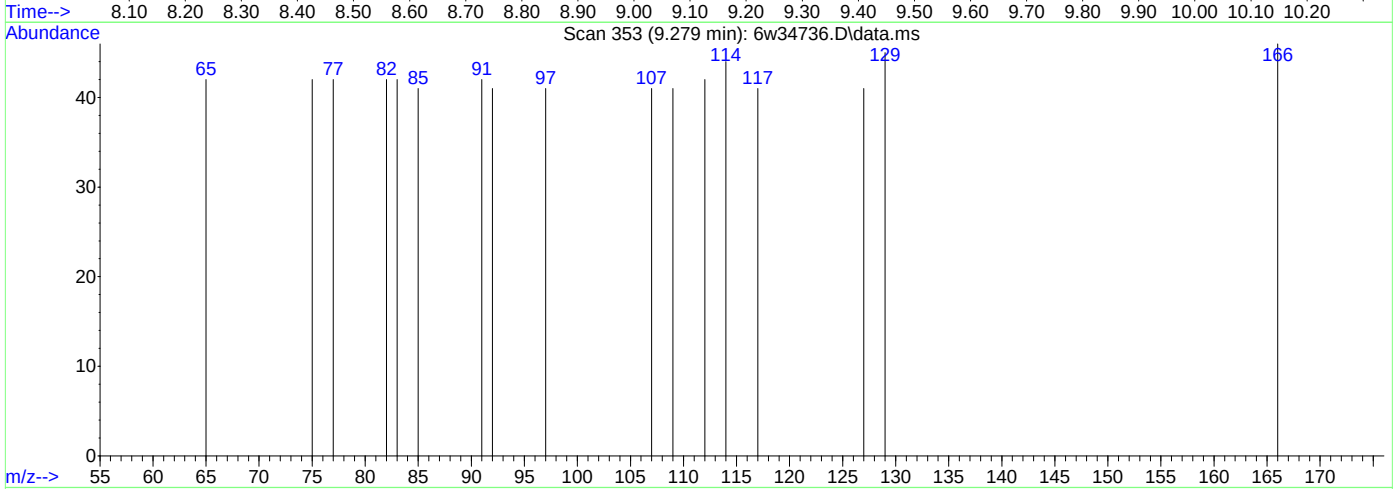
Ion	Exp%	Act%
83.00	100	100
97.00	89.40	97.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:58:36 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(23) Tetrachloroethene (T)

9.279min (+0.029) 0.00ppb(v)

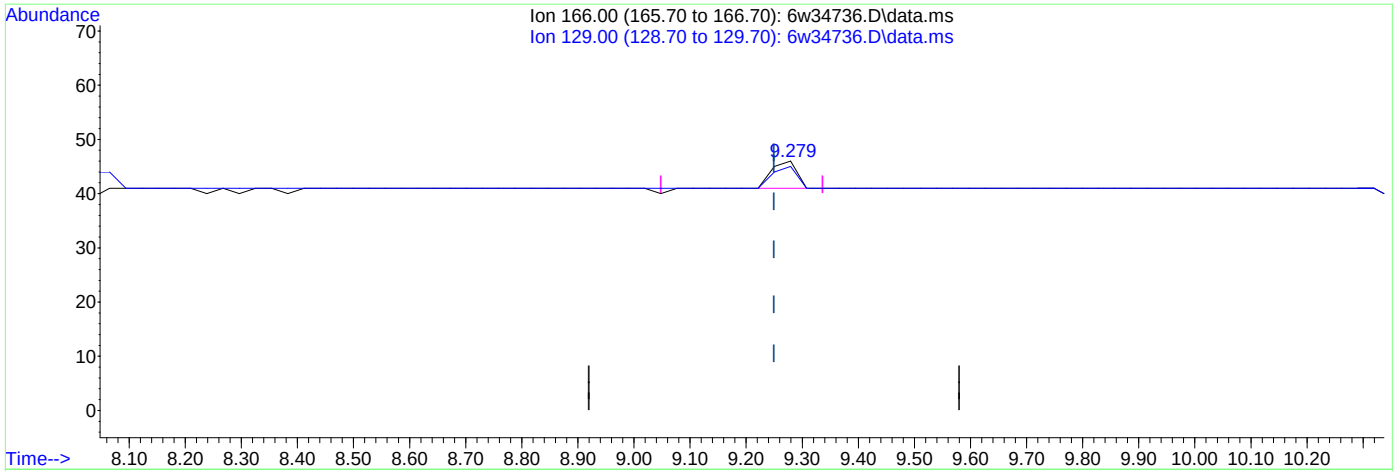
response 33

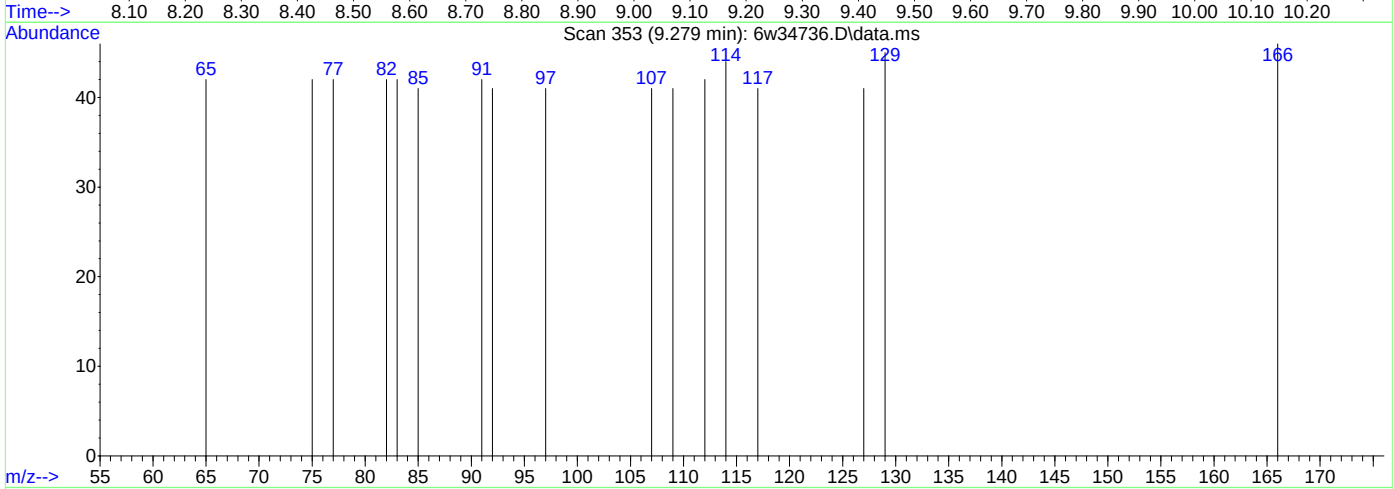
Ion	Exp%	Act%
166.00	100	100
129.00	81.70	97.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:58:36 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(23) Tetrachloroethene (T)

9.279min (+0.029) 0.00ppb(v) m

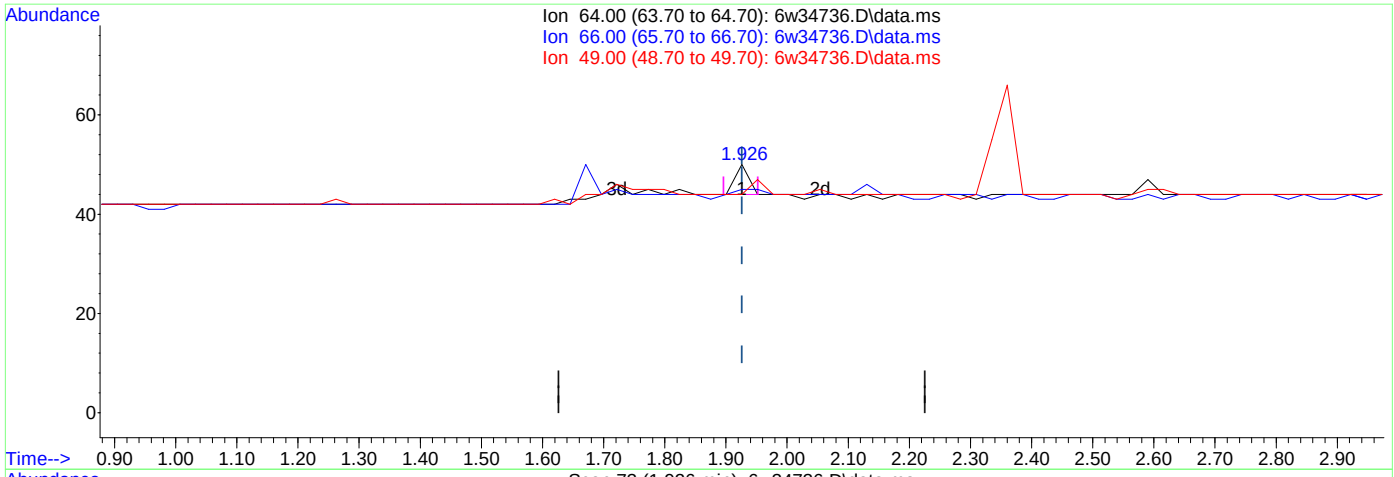
response 16

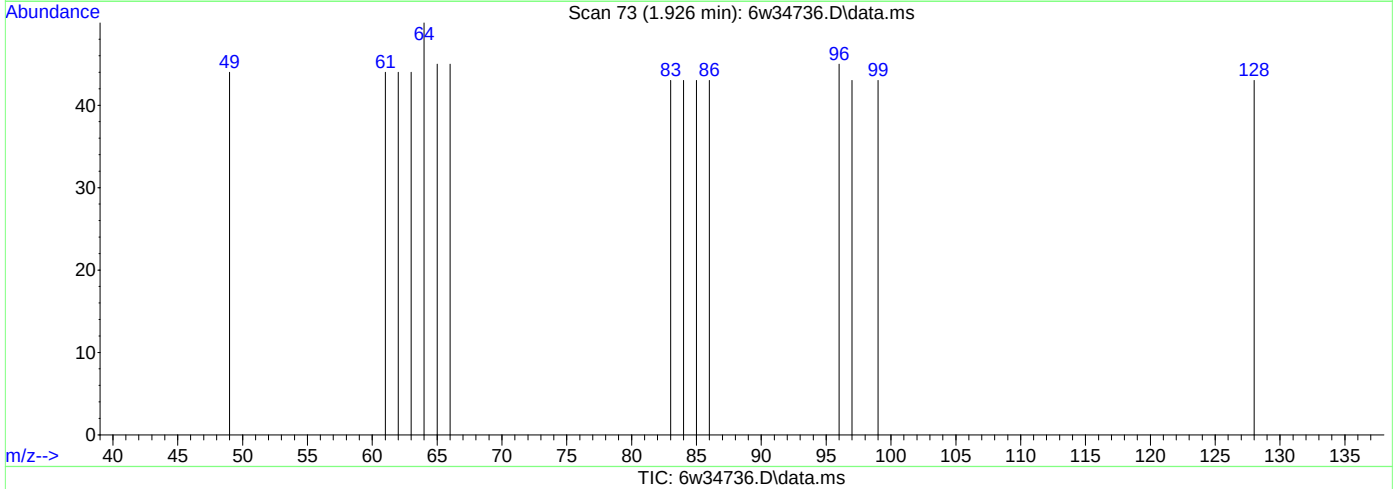
Ion	Exp%	Act%
166.00	100	100
129.00	81.70	97.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 12:16:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(4) Chloroethane (T)

1.926min (+0.000) 0.00ppb(v) m

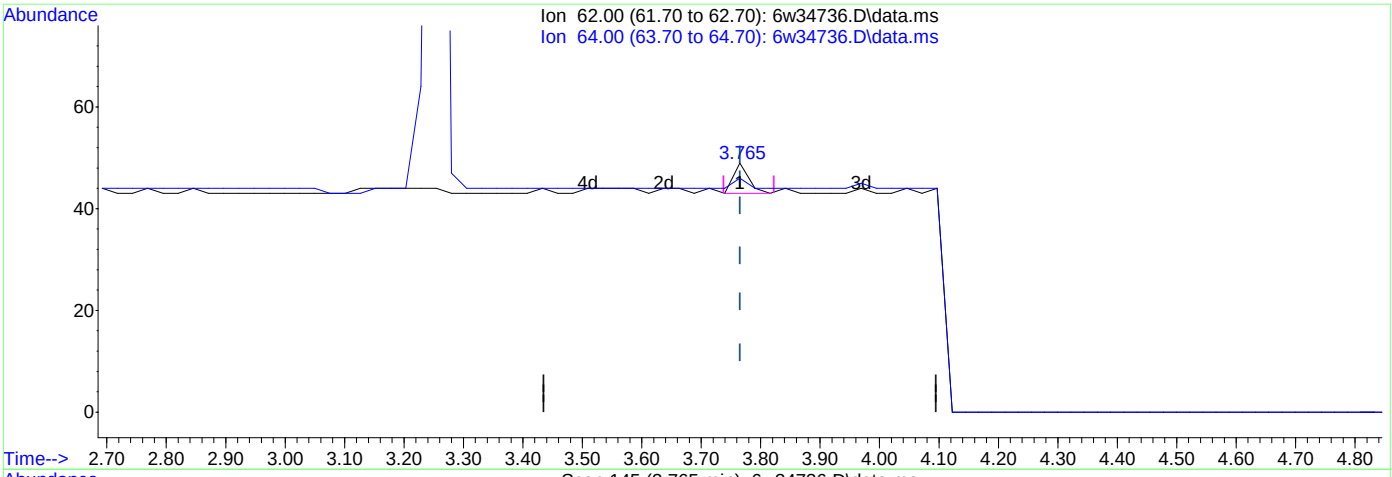
response 9

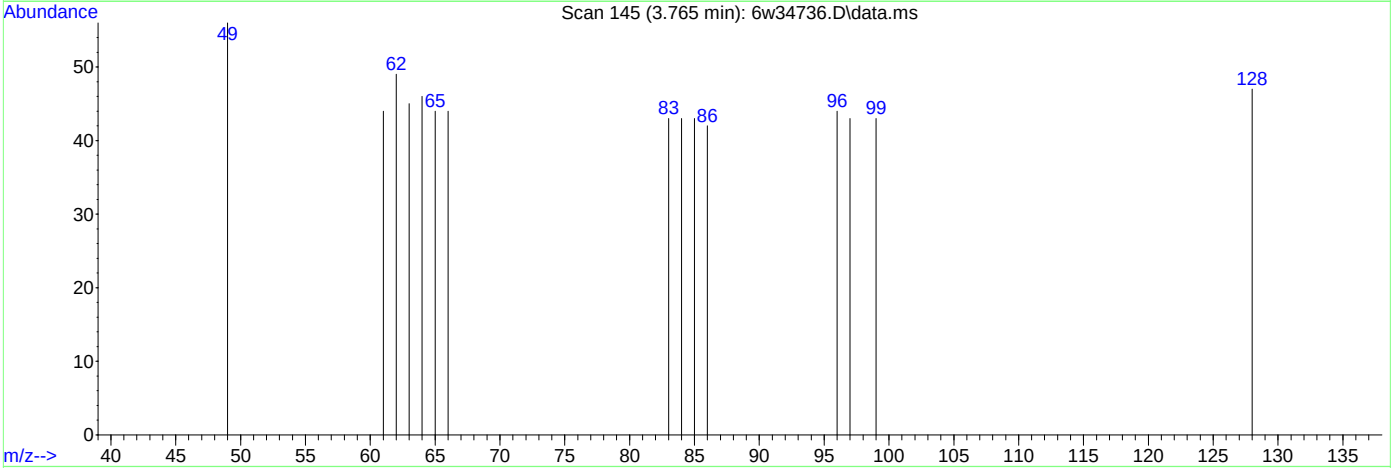
Ion	Exp%	Act%
64.00	100	100
66.00	34.60	90.00#
49.00	32.70	88.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 12:16:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(11) 1,2-Dichloroethane (T)

3.765min (-0.000) 0.00ppb(v) m

response 11

Ion	Exp%	Act%
62.00	100	100
64.00	34.90	93.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:45:28 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27105	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	148139	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	71154	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	105176	9.99	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.90%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	121	0.02	ppb(v	92
3) Vinyl Chloride	1.773	62	23	0.00	ppb(v#	1
4) Chloroethane	1.926	64	29	0.01	ppb(v#	12
5) 1,1-Dichloroethene	2.309	61	29	0.00	ppb(v#	1
6) trans-1,2-Dichloroethene	2.693	61	38	0.01	ppb(v#	10
7) 1,1-Dichloroethane	2.769	63	29	0.01	ppb(v#	6
8) cis-1,2-Dichloroethene	3.152	61	21	0.01	ppb(v#	61
9) Chloroform	3.331	83	41	0.01	ppb(v#	59
10) 1,1,1-Trichloroethane	3.944	97	28	0.01	ppb(v	90
11) 1,2-Dichloroethane	3.765	62	29	0.01	ppb(v#	25
12) Benzene	4.278	78	67	0.01	ppb(v#	33
13) Carbon Tetrachloride	4.411	117	28	0.00	ppb(v	96
15) Toluene	7.458	92	66	0.01	ppb(v#	63
16) Trichloroethene	5.232	95	33	0.01	ppb(v	77
17) 1,2-Dichloropropane	4.988	65	9m	0.01	ppb(v	
18) Bromodichloromethane	5.187	83	35	0.01	ppb(v	76
19) cis-1,3-Dichloropropene	6.216	75	23	0.01	ppb(v#	38
20) trans-1,3-Dichloropropene	6.909	75	21	0.01	ppb(v#	33
21) 1,1,2-Trichloroethane	7.083	83	23	0.01	ppb(v	91
22) Dibromochloromethane	8.036	129	38	0.01	ppb(v	88
23) Tetrachloroethene	9.250	166	45	0.01	ppb(v	86
24) 1,2-Dibromoethane	8.383	107	36	0.01	ppb(v	97
26) Chlorobenzene	10.493	112	73	0.01	ppb(v#	45
27) 1,1,2,2-Tetrachloroethane	12.805	83	55	0.01	ppb(v#	75
29) 1,3-Dichlorobenzene	16.800	146	98	0.01	ppb(v#	72
30) 1,4-Dichlorobenzene	16.884	146	104m	0.01	ppb(v	
31) 1,2-Dichlorobenzene	17.173	146	99	0.01	ppb(v	86
32) Naphthalene	18.484	128	568	0.02	ppb(v#	87

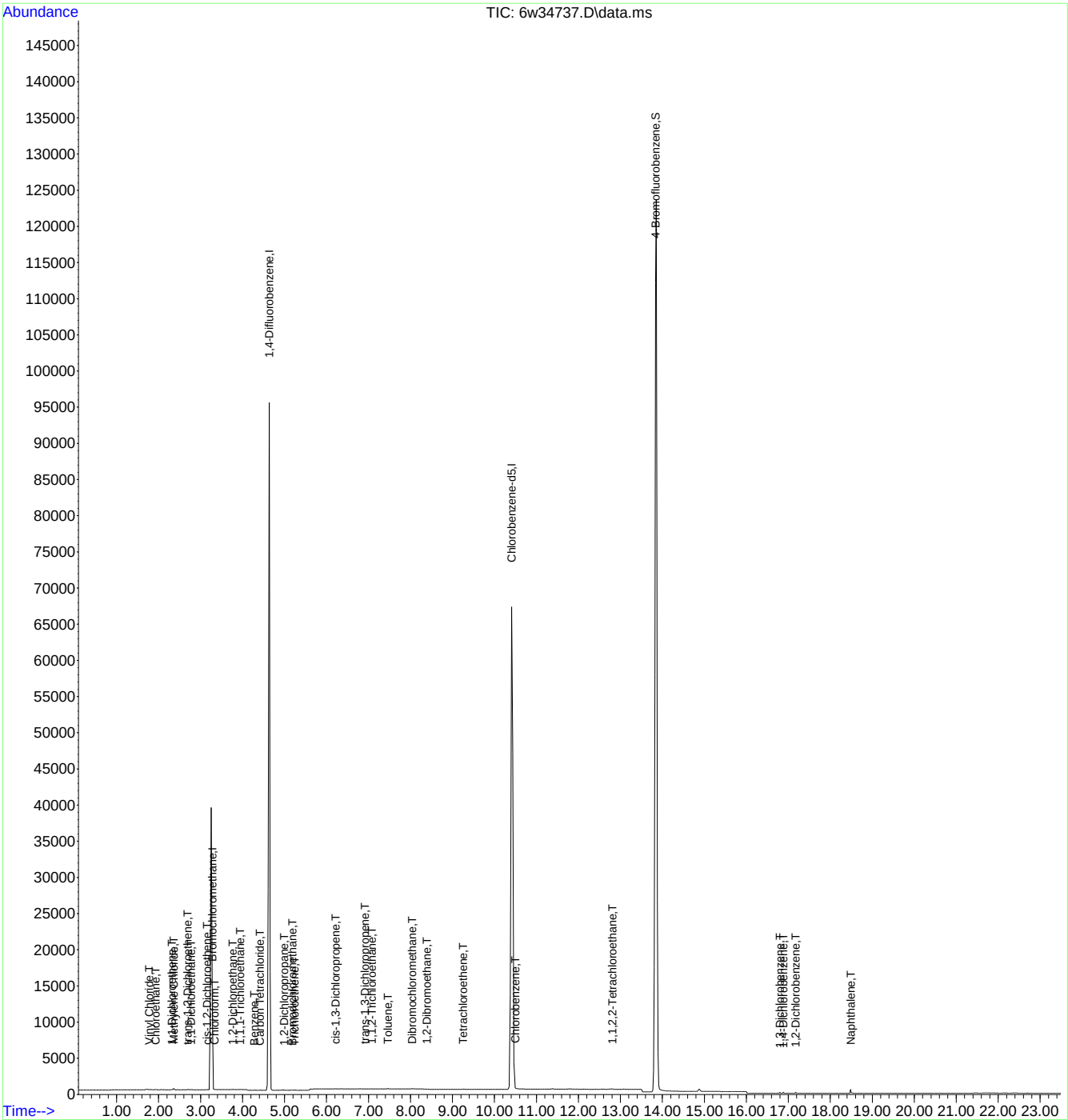
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.20
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:45:28 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration



Manual Integration Approval Summary

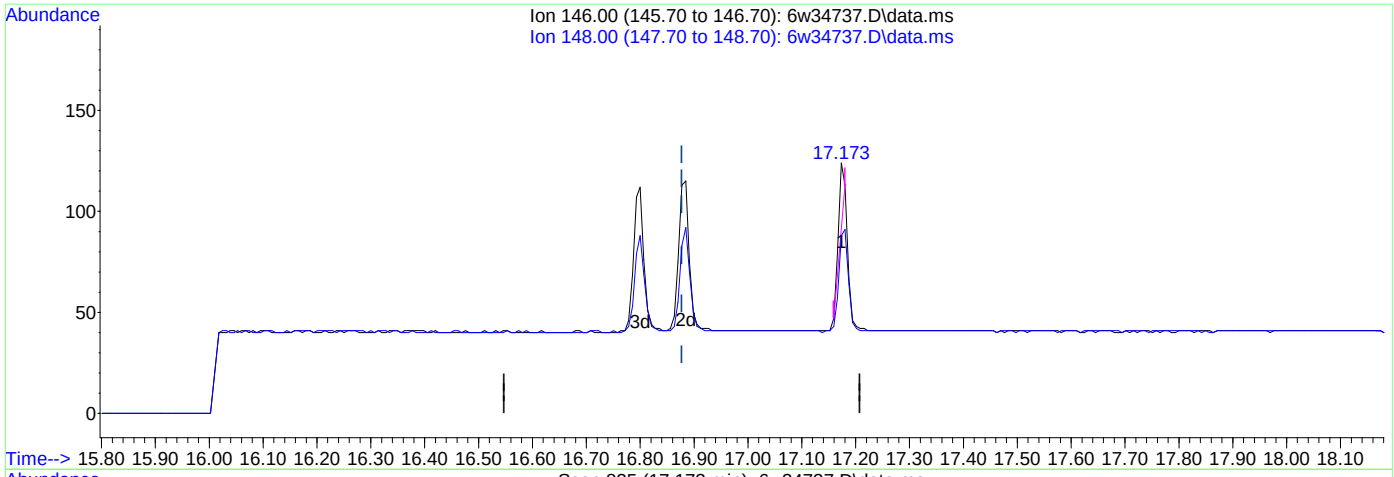
Sample Number: V6W1441-IC1441
Lab FileID: 6W34737.D
Injection Time: 01/30/25 07:08
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

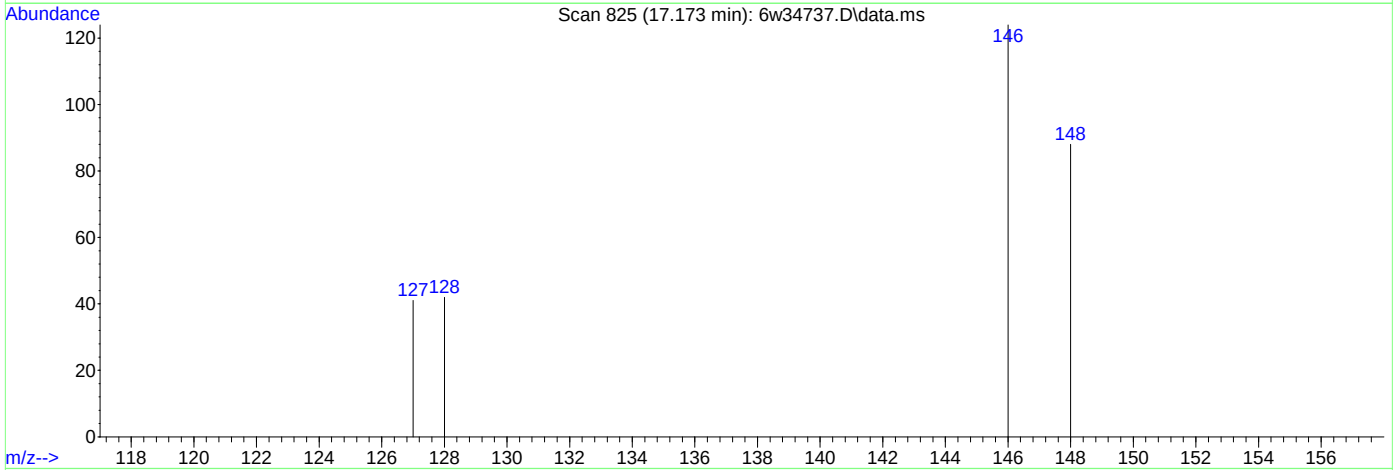
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dichloropropane	78-87-5		4.99	Overlapping peak
p-Dichlorobenzene	106-46-7		16.88	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:40:13 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration





TIC: 6w34737.D\data.ms

(30) 1,4-Dichlorobenzene (T)

17.173min (+0.296) 0.00ppb(v)

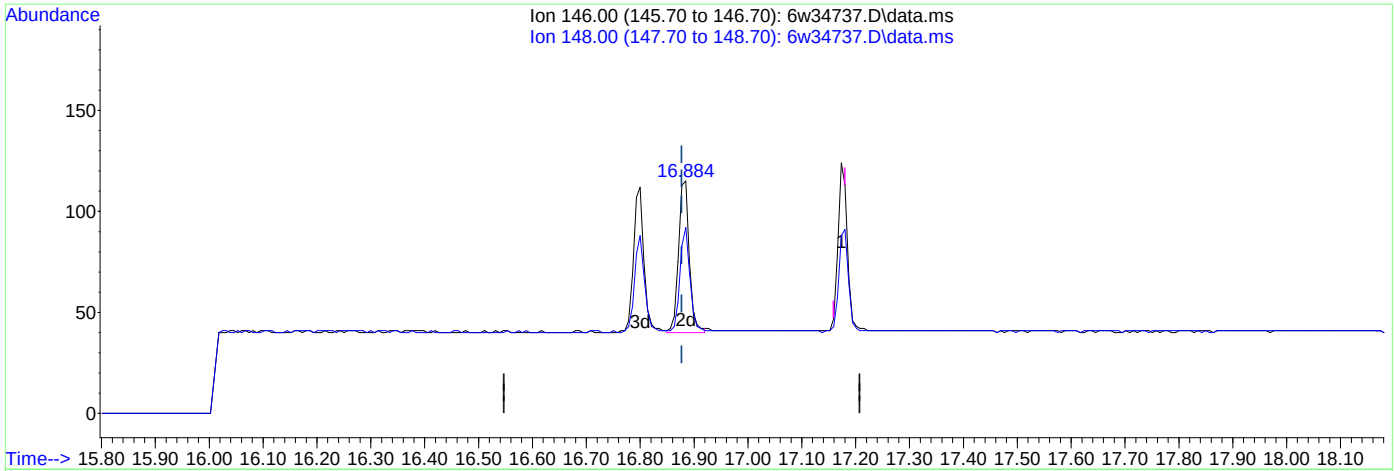
response 35

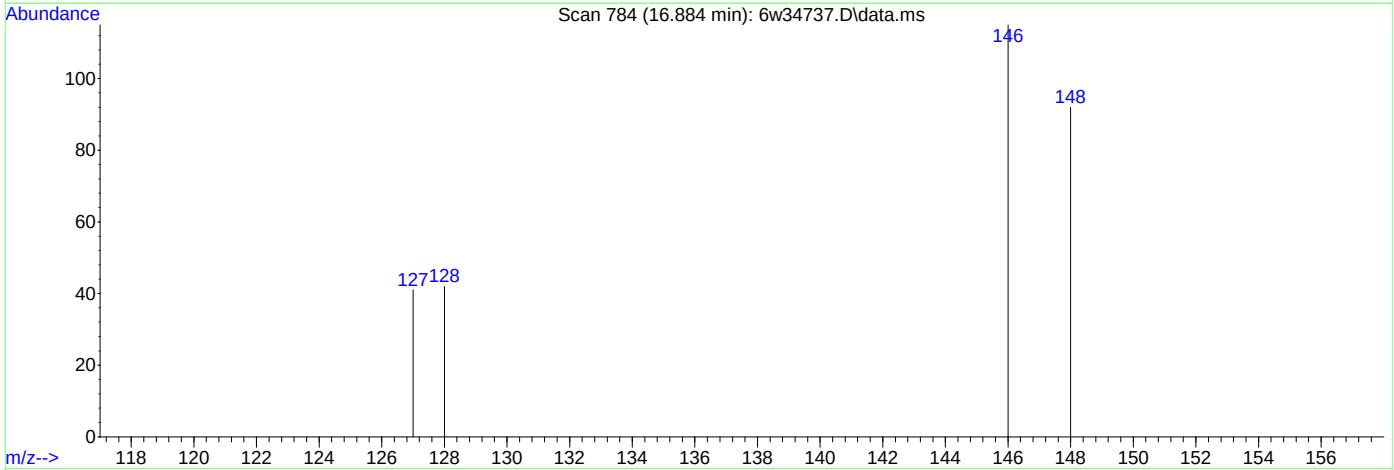
Ion	Exp%	Act%
146.00	100	100
148.00	58.80	70.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:40:13 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration





TIC: 6w34737.D\data.ms

(30) 1,4-Dichlorobenzene (T)

16.884min (+0.007) 0.01ppb(v) m

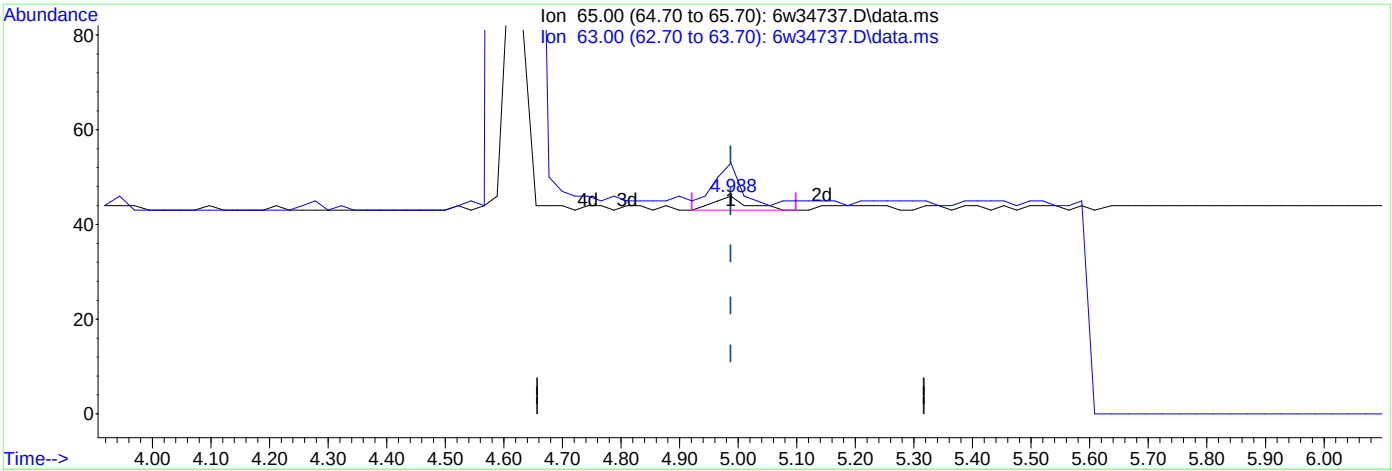
response 104

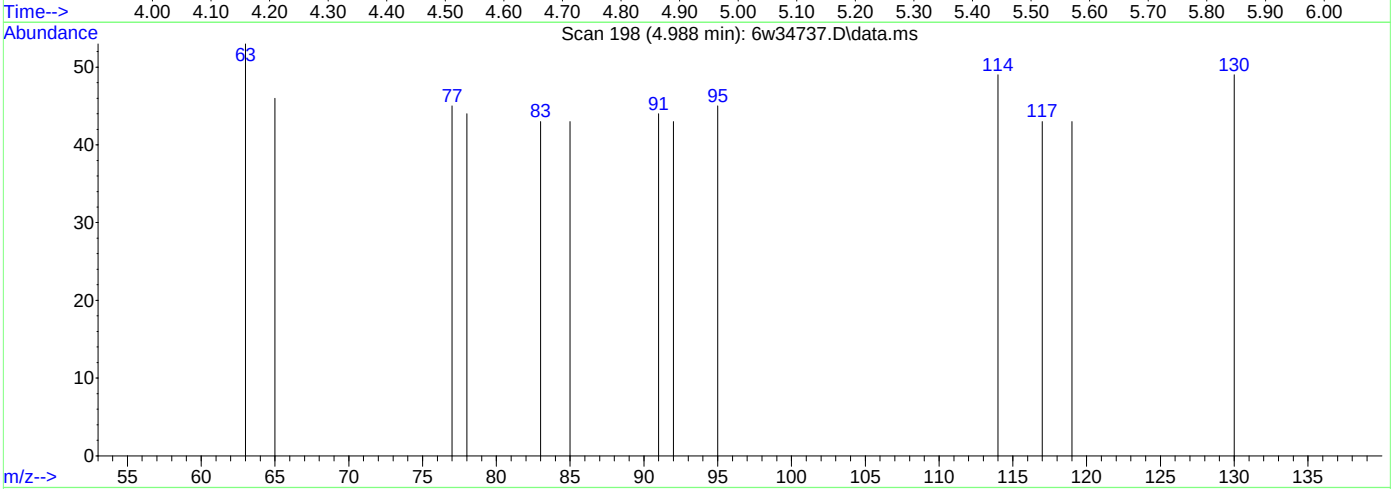
Ion	Exp%	Act%
146.00	100	100
148.00	58.80	80.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:41:35 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration





TIC: 6w34737.D\data.ms

(17) 1,2-Dichloropropane (T)

4.988min (+0.001) 0.01ppb(v)

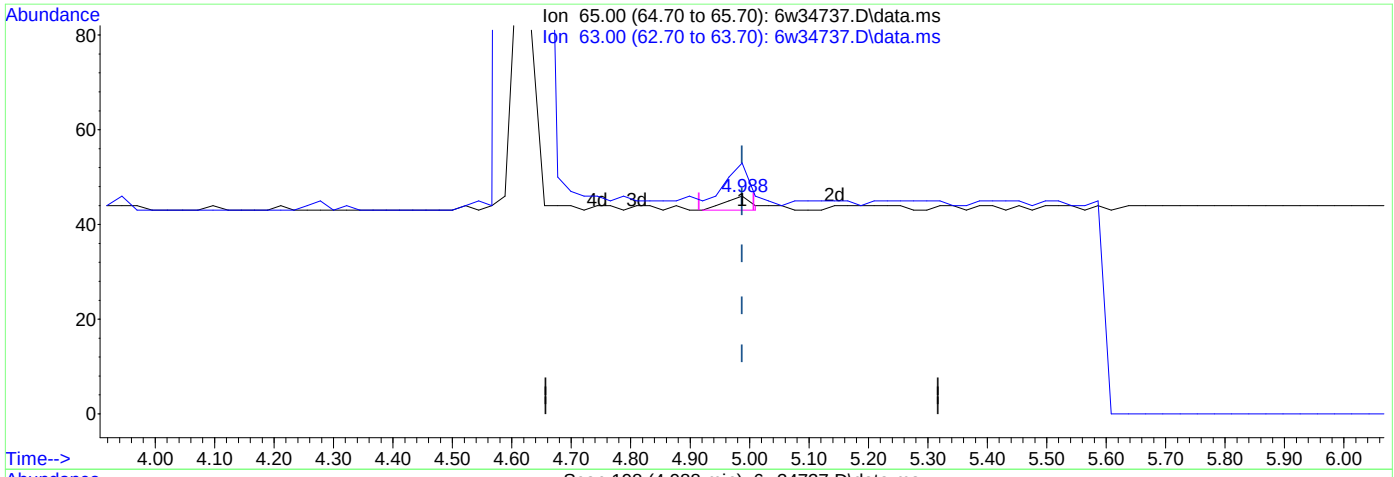
response 12

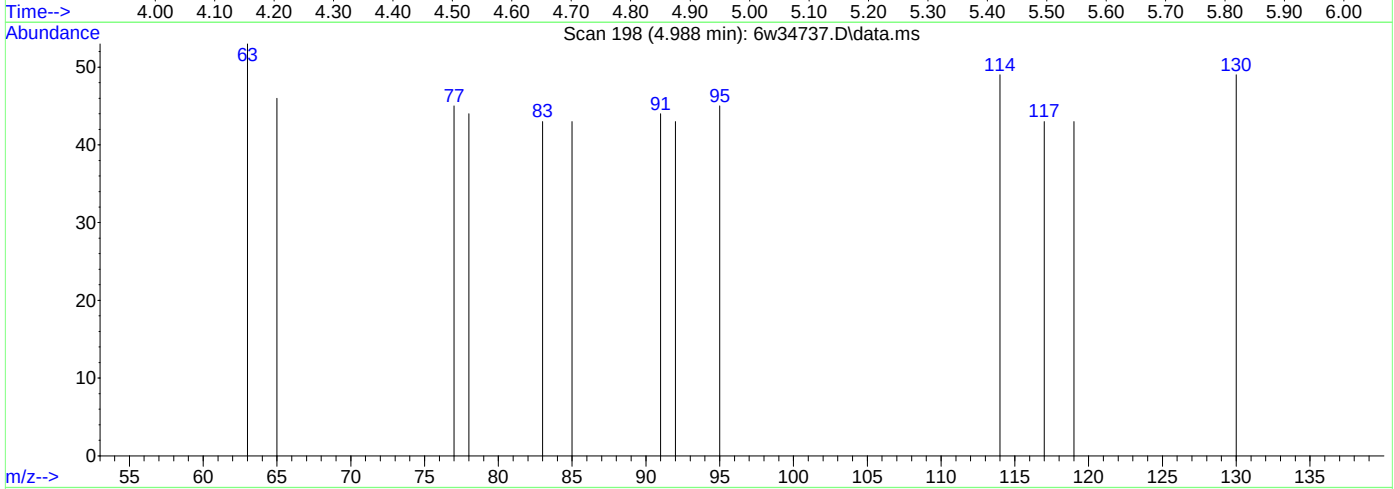
Ion	Exp%	Act%
65.00	100	100
63.00	230.00	115.22#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:41:35 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration





TIC: 6w34737.D\data.ms

(17) 1,2-Dichloropropane (T)

4.988min (+0.001) 0.01ppb(v) m

response 9

Ion	Exp%	Act%
65.00	100	100
63.00	230.00	115.22#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34738.D
Acq On : 30 Jan 2025 7:46 am
Operator : benk
Sample : ic1441-0.01
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:38:07 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:05:22 2025
Response via : Initial Calibration

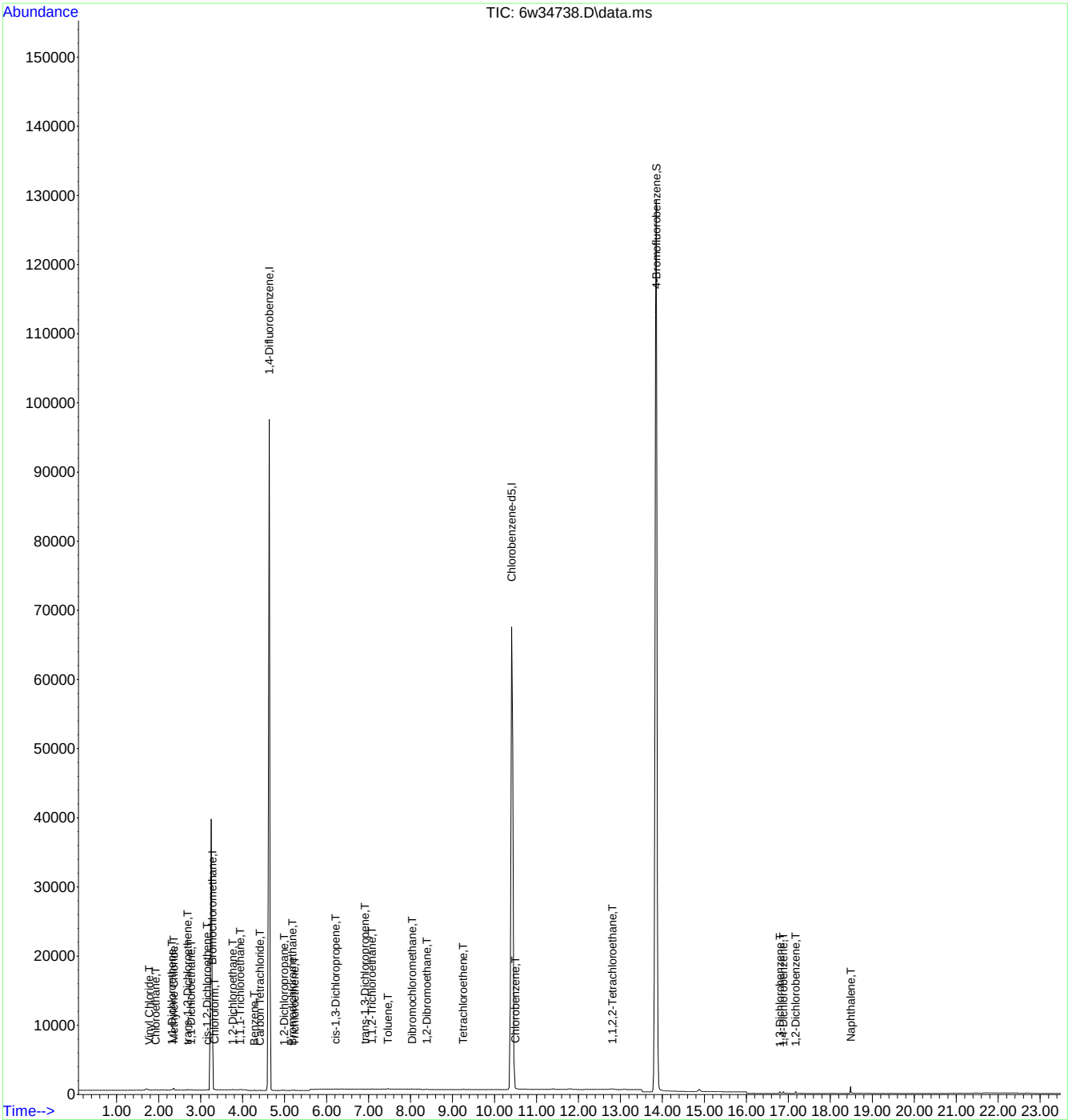
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27603	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	150865	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	72832	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	108617	10.09	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery =	100.90%		
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	210	0.05	ppb(v	88
3) Vinyl Chloride	1.773	62	51	0.01	ppb(v#	17
4) Chloroethane	1.926	64	48	0.01	ppb(v#	35
5) 1,1-Dichloroethene	2.309	61	66	0.01	ppb(v#	1
6) trans-1,2-Dichloroethene	2.692	61	78	0.01	ppb(v#	38
7) 1,1-Dichloroethane	2.769	63	78	0.01	ppb(v#	30
8) cis-1,2-Dichloroethene	3.152	61	41	0.01	ppb(v#	57
9) Chloroform	3.331	83	74m	0.01	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	55	0.01	ppb(v	95
11) 1,2-Dichloroethane	3.765	62	66	0.01	ppb(v#	41
12) Benzene	4.278	78	117	0.01	ppb(v#	53
13) Carbon Tetrachloride	4.411	117	63	0.01	ppb(v	100
15) Toluene	7.458	92	109	0.02	ppb(v#	74
16) Trichloroethene	5.231	95	51	0.01	ppb(v	78
17) 1,2-Dichloropropane	4.987	65	13	0.01	ppb(v#	39
18) Bromodichloromethane	5.187	83	73	0.01	ppb(v	82
19) cis-1,3-Dichloropropene	6.215	75	43	0.01	ppb(v#	49
20) trans-1,3-Dichloropropene	6.909	75	42	0.01	ppb(v#	43
21) 1,1,2-Trichloroethane	7.082	83	42	0.01	ppb(v	93
22) Dibromochloromethane	8.036	129	71	0.01	ppb(v	92
23) Tetrachloroethene	9.250	166	88	0.01	ppb(v	92
24) 1,2-Dibromoethane	8.383	107	68	0.01	ppb(v	95
26) Chlorobenzene	10.493	112	154	0.01	ppb(v#	65
27) 1,1,2,2-Tetrachloroethane	12.805	83	114	0.01	ppb(v	81
29) 1,3-Dichlorobenzene	16.800	146	182	0.01	ppb(v	78
30) 1,4-Dichlorobenzene	16.884	146	197	0.02	ppb(v	77
31) 1,2-Dichlorobenzene	17.173	146	194	0.02	ppb(v	94
32) Naphthalene	18.483	128	990	0.05	ppb(v	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34738.D
Acq On : 30 Jan 2025 7:46 am
Operator : benk
Sample : ic1441-0.01
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:38:07 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:05:22 2025
Response via : Initial Calibration



Manual Integration Approval Summary

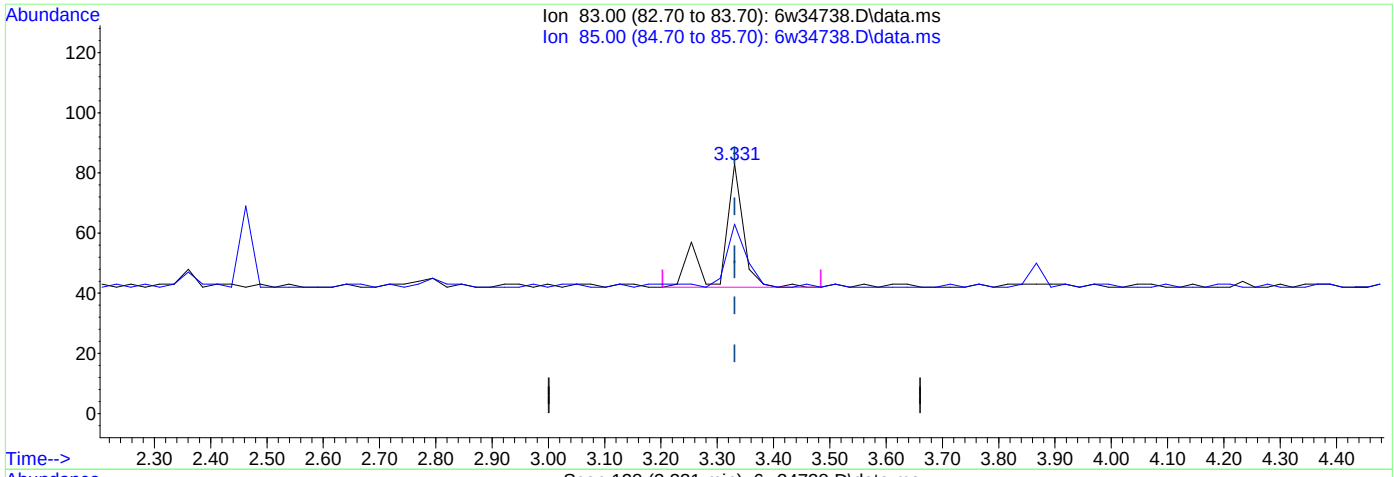
Sample Number:	V6W1441-IC1441	**Method:**	TO-15 (BY SIM)
Lab FileID:	6W34738.D	**Analyst approved:**	01/30/25 18:03 Benjamin Kim
Injection Time:	01/30/25 07:46	**Supervisor approved:**	01/30/25 20:06 Kanya Veerawat

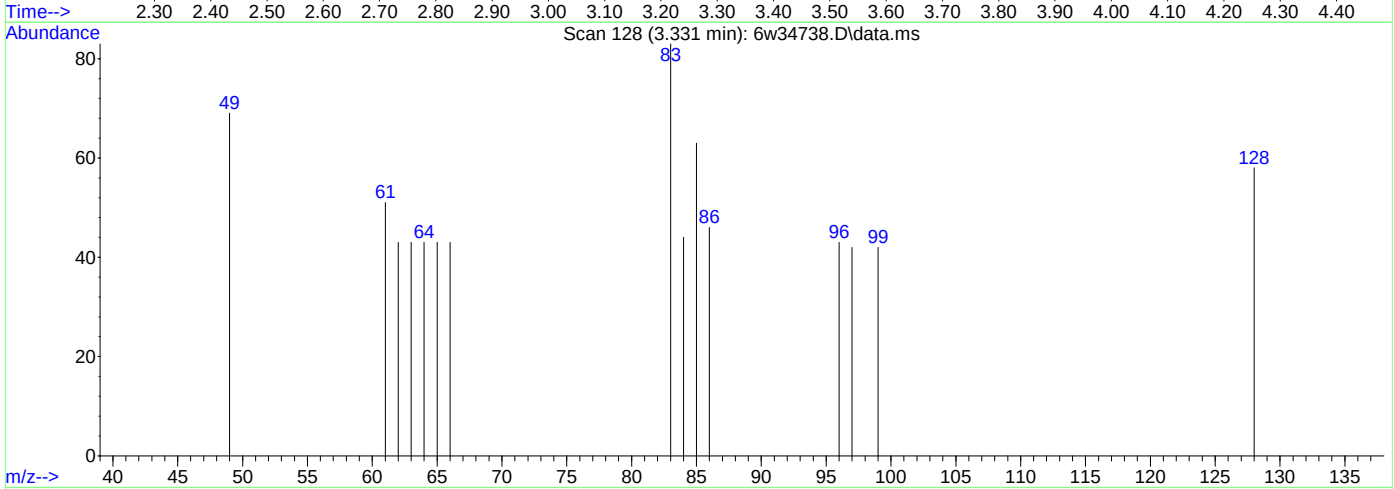
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34738.D
Acq On : 30 Jan 2025 7:46 am
Operator : benk
Sample : ic1441-0.01
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:37:39 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:05:22 2025
Response via : Initial Calibration





TIC: 6w34738.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.02ppb(v)

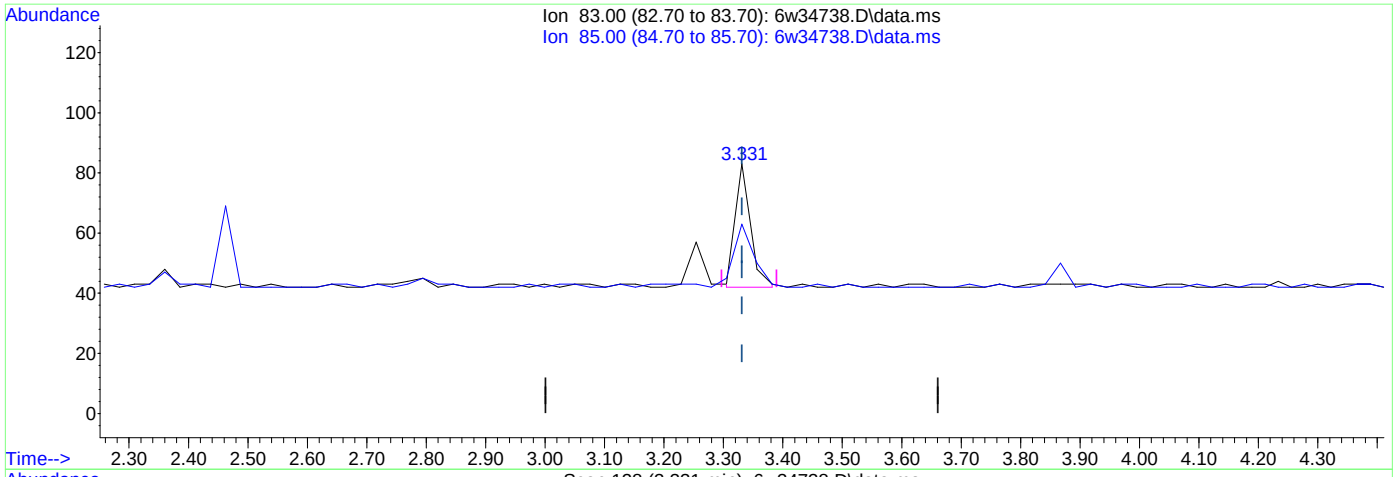
response 103

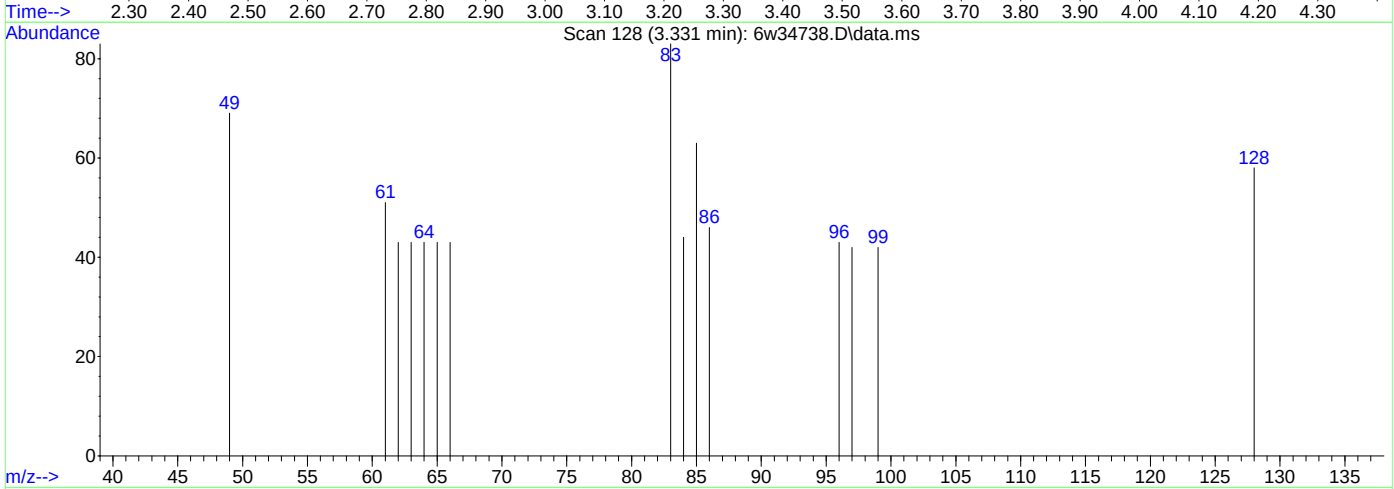
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	75.90#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34738.D
Acq On : 30 Jan 2025 7:46 am
Operator : benk
Sample : ic1441-0.01
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:37:39 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:05:22 2025
Response via : Initial Calibration





TIC: 6w34738.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.01ppb(v) m

response 74

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	75.90#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/17/25 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34746.D
Acq On : 30 Jan 2025 2:42 pm
Operator : benk
Sample : icv1441-0.1
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 14:20:08 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

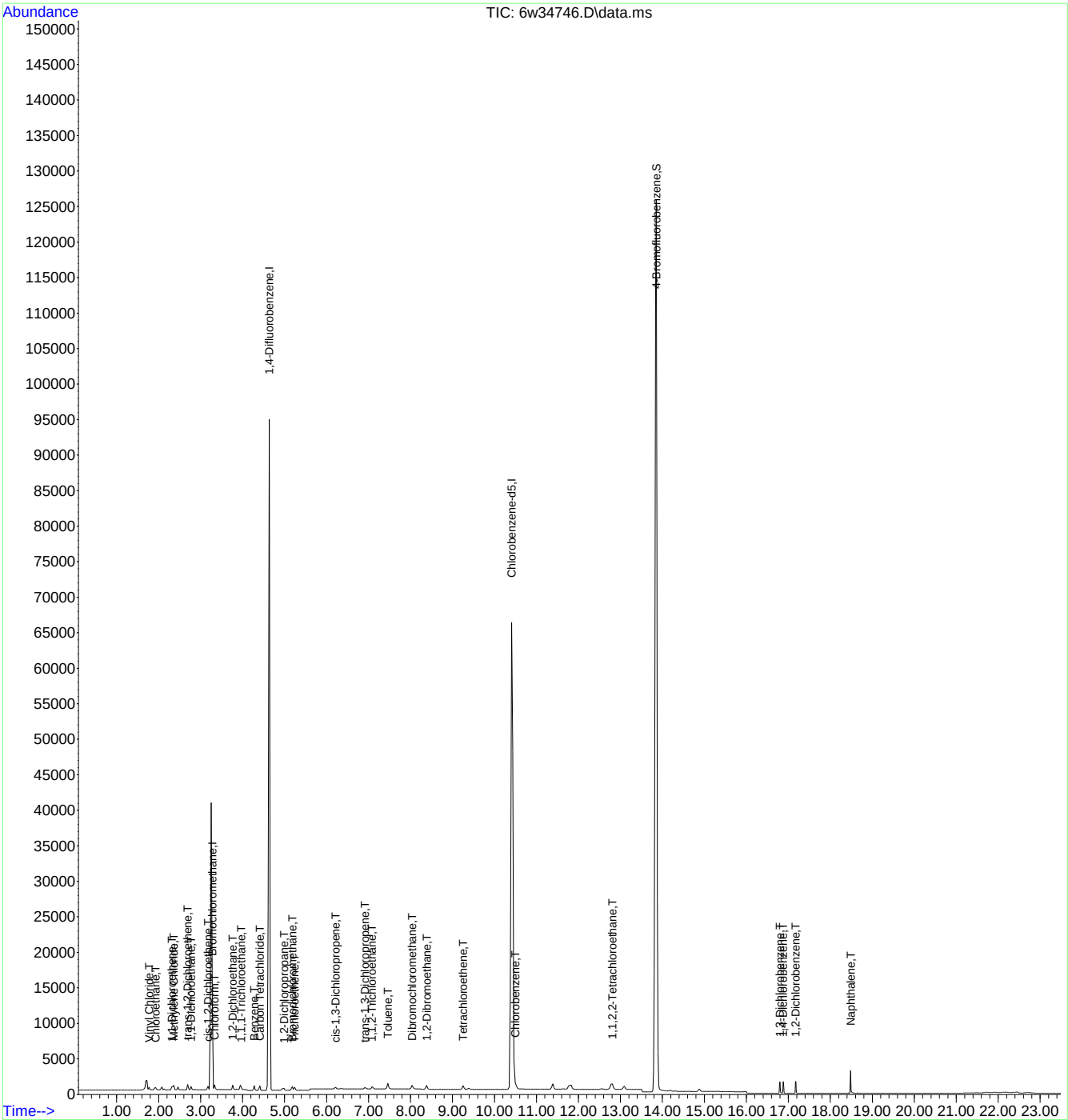
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27388	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	146662	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	71083	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	106796	10.20	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.00%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	420	0.11	ppb(v	95
3) Vinyl Chloride	1.773	62	443	0.09	ppb(v	100
4) Chloroethane	1.926	64	328	0.09	ppb(v	98
5) 1,1-Dichloroethene	2.309	61	555	0.09	ppb(v	98
6) trans-1,2-Dichloroethene	2.692	61	781	0.11	ppb(v	99
7) 1,1-Dichloroethane	2.769	63	552	0.09	ppb(v	99
8) cis-1,2-Dichloroethene	3.178	61	440	0.10	ppb(v	99
9) Chloroform	3.331	83	675m	0.10	ppb(v	
10) 1,1,1-Trichloroethane	3.969	97	581	0.11	ppb(v	99
11) 1,2-Dichloroethane	3.765	62	585	0.11	ppb(v	100
12) Benzene	4.278	78	962	0.10	ppb(v	99
13) Carbon Tetrachloride	4.411	117	647	0.11	ppb(v	99
15) Toluene	7.458	92	668	0.10	ppb(v	99
16) Trichloroethene	5.231	95	471	0.10	ppb(v	97
17) 1,2-Dichloropropane	4.987	65	108	0.09	ppb(v	99
18) Bromodichloromethane	5.187	83	716	0.11	ppb(v	100
19) cis-1,3-Dichloropropene	6.215	75	440	0.10	ppb(v	99
20) trans-1,3-Dichloropropene	6.909	75	383	0.10	ppb(v	98
21) 1,1,2-Trichloroethane	7.082	83	340	0.10	ppb(v	97
22) Dibromochloromethane	8.036	129	721	0.11	ppb(v	99
23) Tetrachloroethene	9.250	166	793	0.11	ppb(v	99
24) 1,2-Dibromoethane	8.383	107	723	0.11	ppb(v	99
26) Chlorobenzene	10.493	112	1190	0.10	ppb(v	99
27) 1,1,2,2-Tetrachloroethane	12.805	83	1056	0.11	ppb(v	100
29) 1,3-Dichlorobenzene	16.800	146	1285	0.10	ppb(v	82
30) 1,4-Dichlorobenzene	16.877	146	1314	0.10	ppb(v	97
31) 1,2-Dichlorobenzene	17.173	146	1284	0.10	ppb(v	97
32) Naphthalene	18.483	128	2876	0.14	ppb(v	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34746.D
Acq On : 30 Jan 2025 2:42 pm
Operator : benk
Sample : icv1441-0.1
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 14:20:08 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

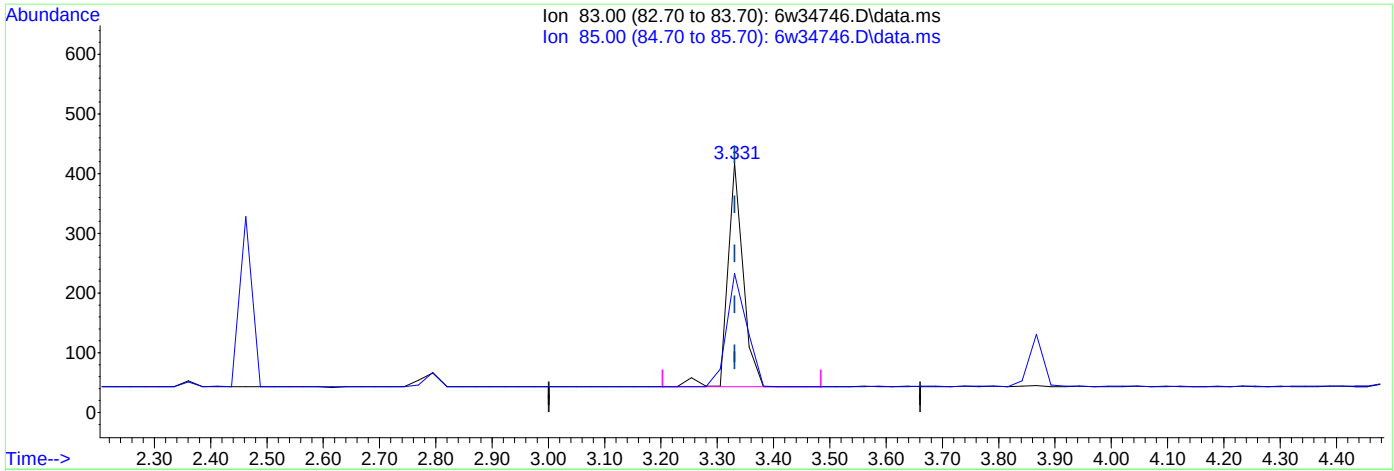
Sample Number: V6W1441-ICV1441
Lab FileID: 6W34746.D
Injection Time: 01/30/25 14:42
Method: TO-15 (BY SIM)
Analyst approved: 02/17/25 14:34 Benjamin Kim
Supervisor approved: 02/17/25 14:52 Kanya Veerawat

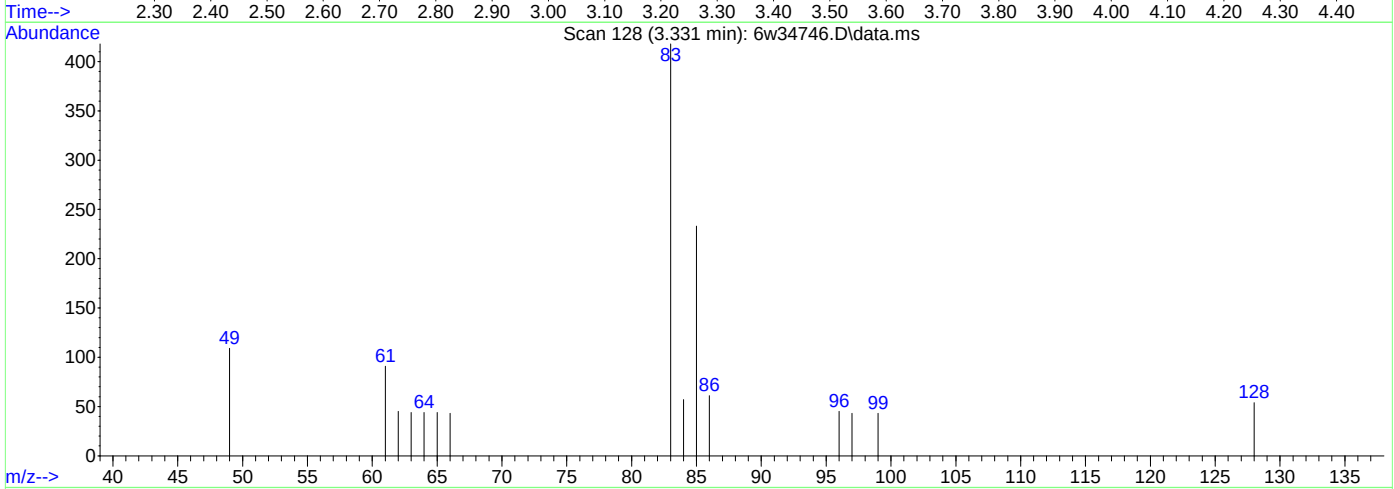
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34746.D
Acq On : 30 Jan 2025 2:42 pm
Operator : benk
Sample : icv1441-0.1
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 14:19:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration





TIC: 6w34746.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v)

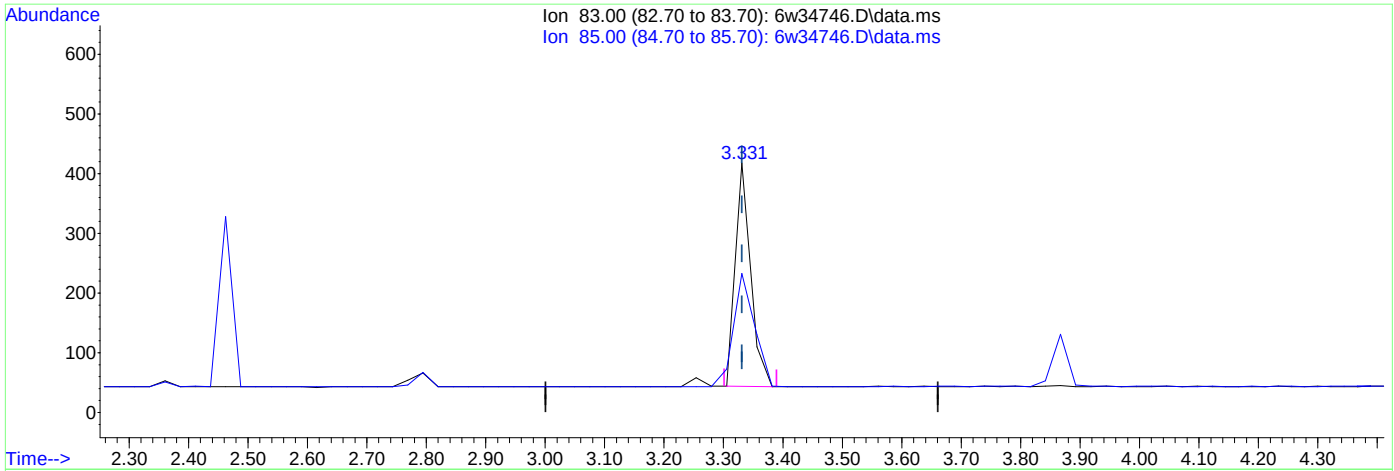
response 703

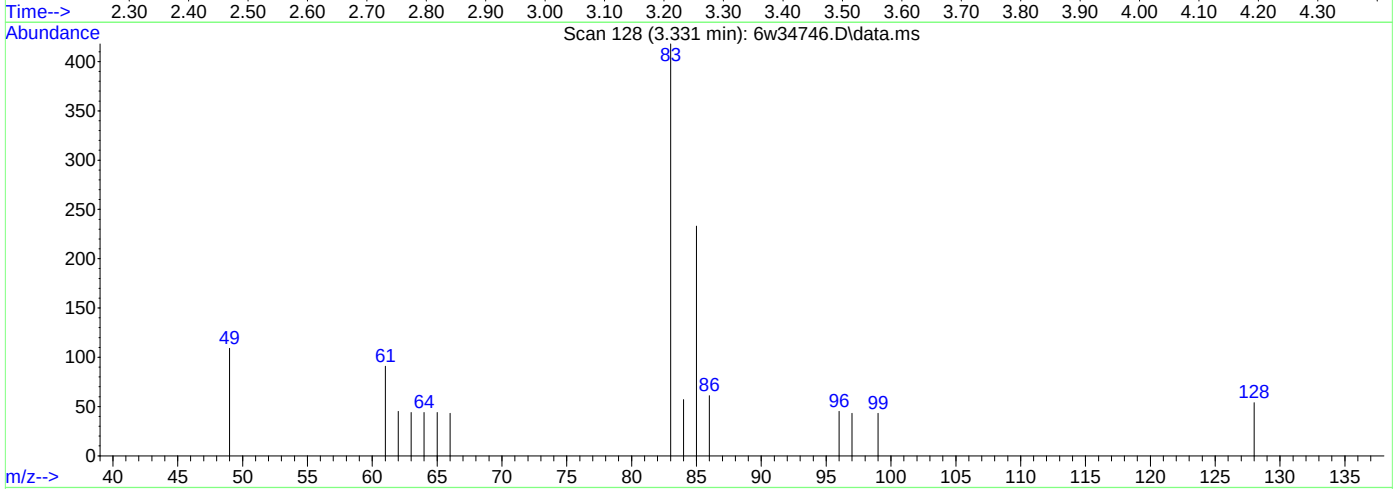
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34746.D
Acq On : 30 Jan 2025 2:42 pm
Operator : benk
Sample : icv1441-0.1
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 14:19:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration





TIC: 6w34746.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v) m

response 675

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/27/25 01:34

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34748.D
Acq On : 30 Jan 2025 4:50 pm
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:59:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

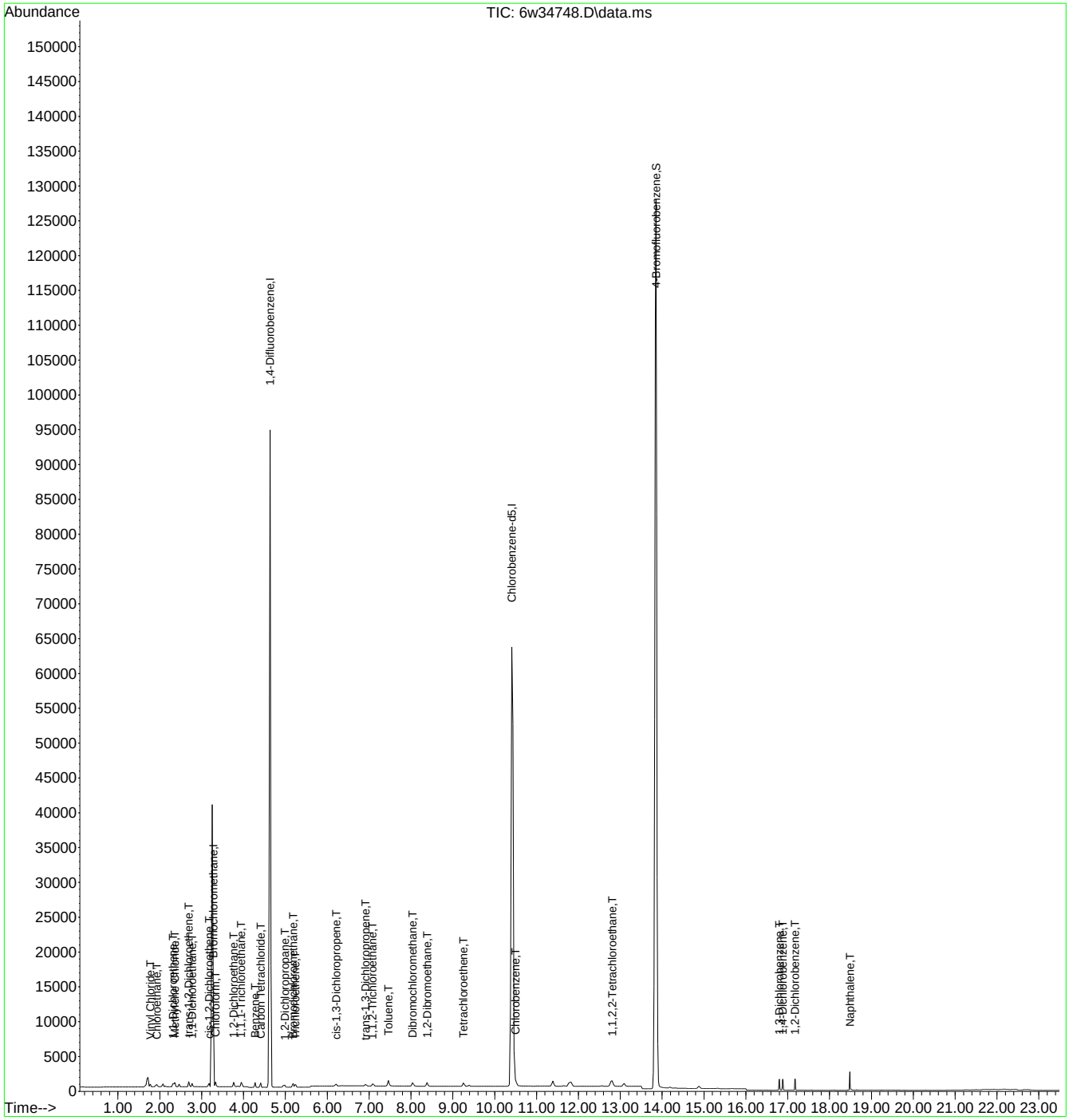
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26953	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	146046	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	71660	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	106806	10.12	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.20%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	416	0.1113	ppb(v	97
3) Vinyl Chloride	1.773	62	469	0.0931	ppb(v	100
4) Chloroethane	1.926	64	334	0.0907	ppb(v	99
5) 1,1-Dichloroethene	2.309	61	570	0.0952	ppb(v	99
6) trans-1,2-Dichloroethene	2.692	61	775	0.1094	ppb(v	99
7) 1,1-Dichloroethane	2.769	63	556	0.0968	ppb(v	99
8) cis-1,2-Dichloroethene	3.177	61	440	0.1059	ppb(v	100
9) Chloroform	3.331	83	680m	0.1028	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	576	0.1089	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	582	0.1108	ppb(v	99
12) Benzene	4.278	78	946	0.1047	ppb(v	100
13) Carbon Tetrachloride	4.411	117	640	0.1148	ppb(v	99
15) Toluene	7.458	92	664	0.0970	ppb(v	99
16) Trichloroethene	5.231	95	456	0.0936	ppb(v	96
17) 1,2-Dichloropropane	4.987	65	122	0.1045	ppb(v	100
18) Bromodichloromethane	5.187	83	705	0.1056	ppb(v	99
19) cis-1,3-Dichloropropene	6.215	75	435	0.1040	ppb(v	100
20) trans-1,3-Dichloropropene	6.909	75	378	0.0987	ppb(v	100
21) 1,1,2-Trichloroethane	7.082	83	342	0.0992	ppb(v	97
22) Dibromochloromethane	8.036	129	777	0.1160	ppb(v	99
23) Tetrachloroethene	9.250	166	787	0.1054	ppb(v	99
24) 1,2-Dibromoethane	8.383	107	718	0.1120	ppb(v	98
26) Chlorobenzene	10.493	112	1167	0.1002	ppb(v	96
27) 1,1,2,2-Tetrachloroethane	12.805	83	1046	0.1077	ppb(v	100
29) 1,3-Dichlorobenzene	16.799	146	1241	0.0940	ppb(v	81
30) 1,4-Dichlorobenzene	16.884	146	1262	0.0972	ppb(v	86
31) 1,2-Dichlorobenzene	17.173	146	1224	0.0959	ppb(v	96
32) Naphthalene	18.483	128	2391	0.1134	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34748.D
Acq On : 30 Jan 2025 4:50 pm
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:59:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

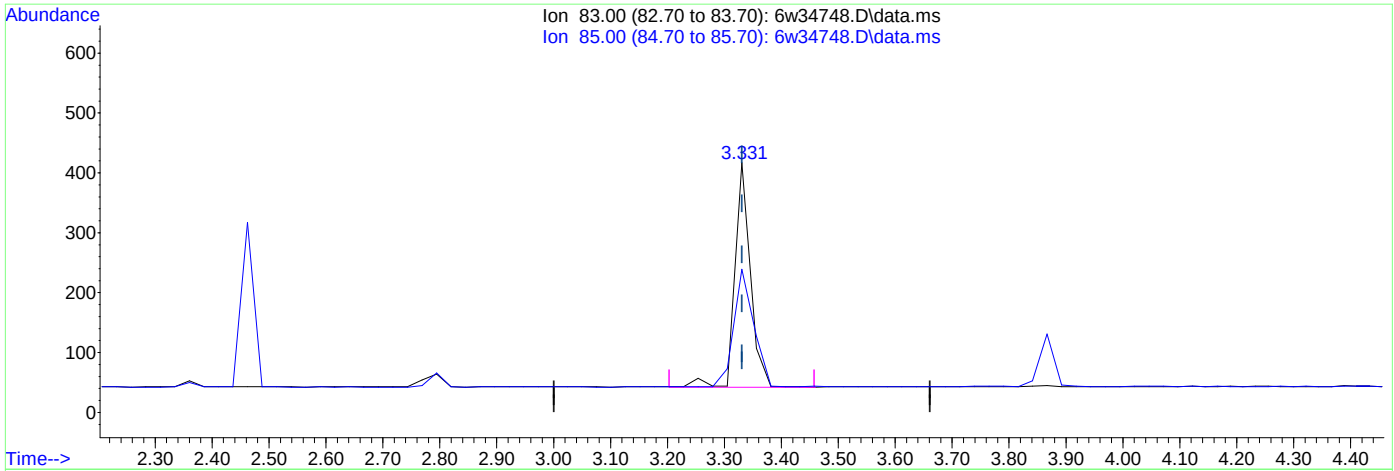
Sample Number:	V6W1442-CC1441	**Method:**	TO-15 (BY SIM)
Lab FileID:	6W34748.D	**Analyst approved:**	02/26/25 23:52 Lucky Carandang
Injection Time:	01/30/25 16:50	**Supervisor approved:**	02/27/25 01:34 Kanya Veerawat

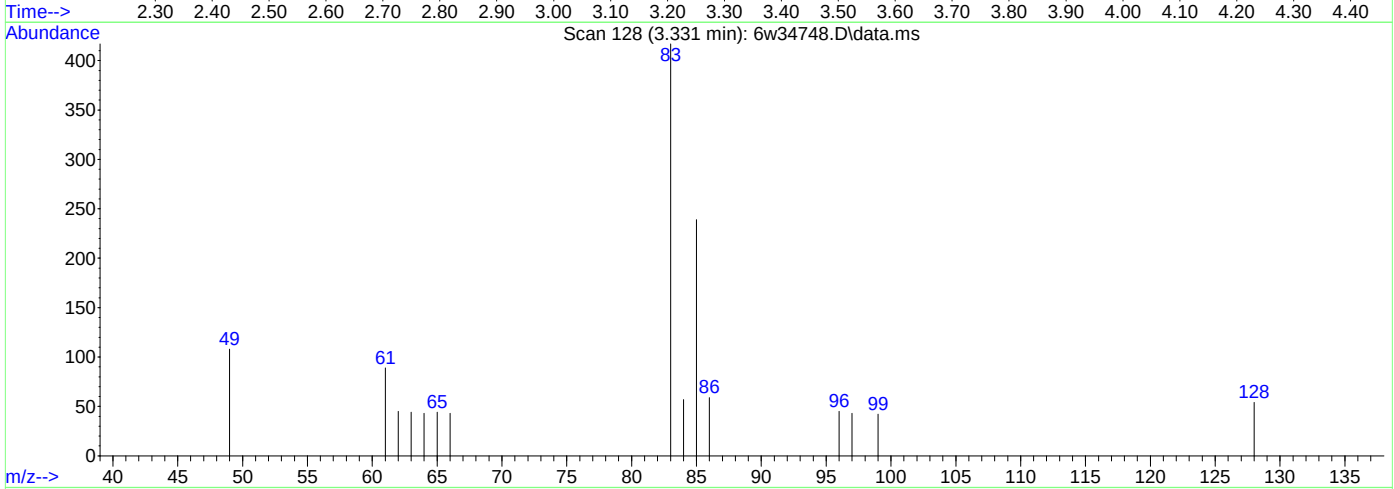
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34748.D
Acq On : 30 Jan 2025 4:50 pm
Operator : benk
Sample : cc1441-1.0
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:17:04 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34748.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v)

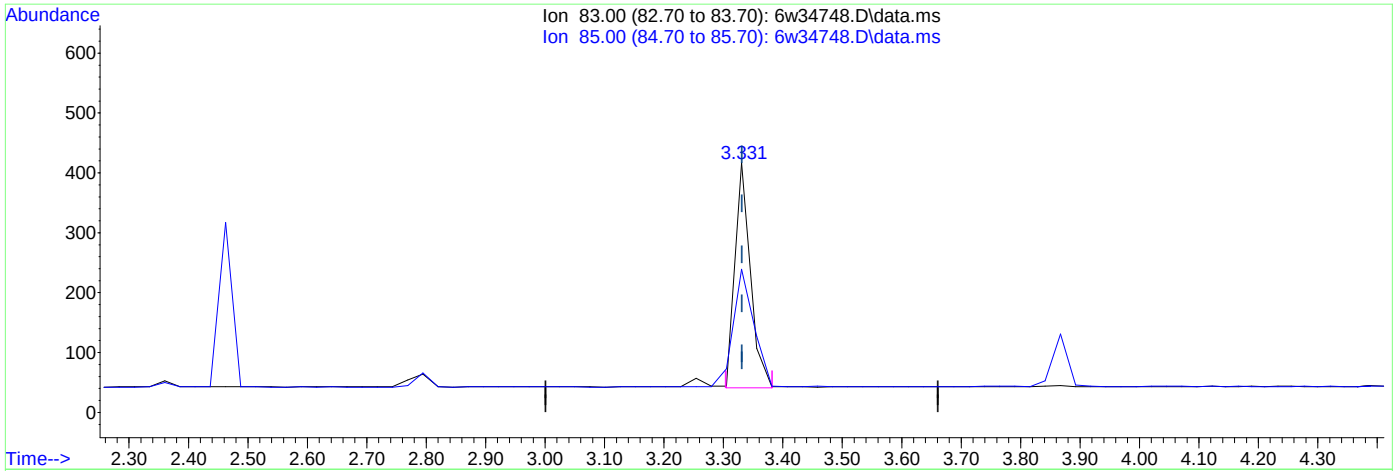
response 710

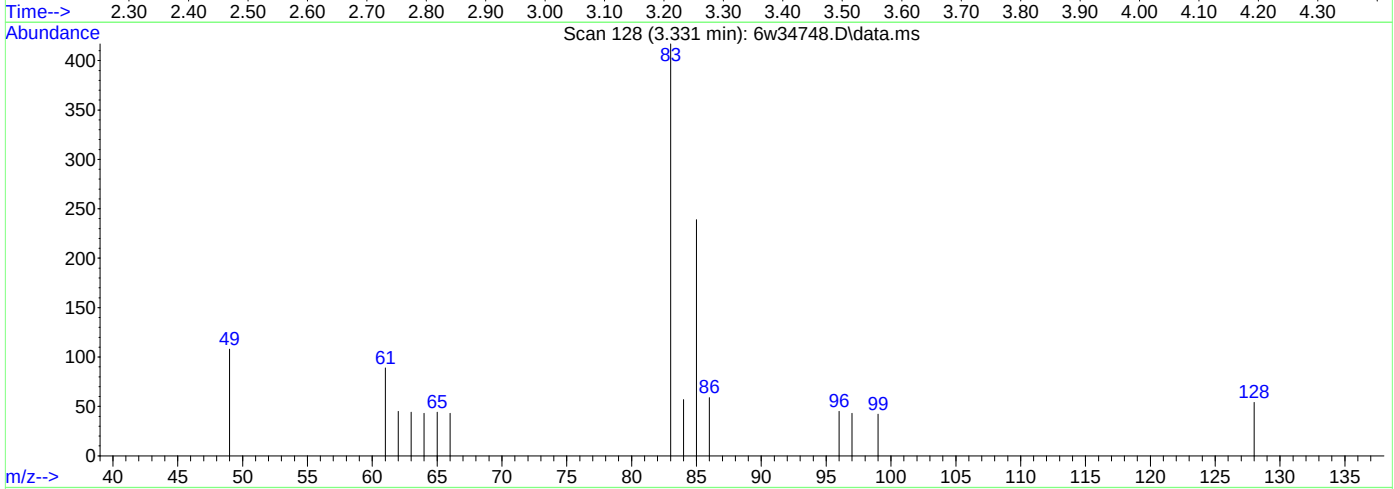
Ion	Exp%	Act%
83.00	100	100
85.00	60.00	57.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34748.D
Acq On : 30 Jan 2025 4:50 pm
Operator : benk
Sample : cc1441-1.0
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:17:04 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34748.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v) m

response 680

Ion	Exp%	Act%
83.00	100	100
85.00	60.00	57.31
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/17/25 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34957.D
Acq On : 16 Feb 2025 8:59 am
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:31:15 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

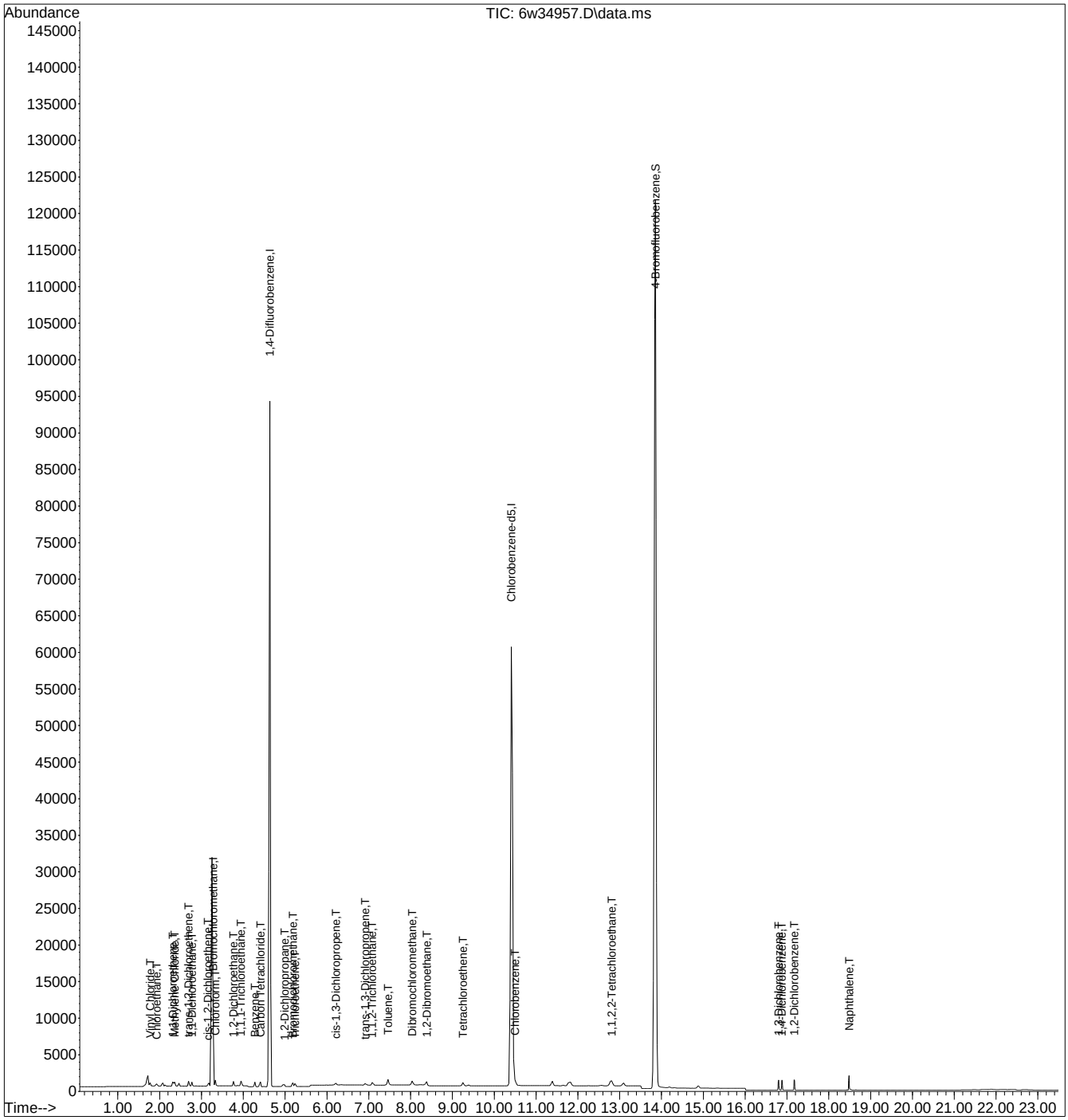
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26720	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	146264	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	64141	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	95967	10.15	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.50%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	473	0.1276	ppb(v#	69
3) Vinyl Chloride	1.773	62	549	0.1099	ppb(v	94
4) Chloroethane	1.926	64	295	0.0808	ppb(v	91
5) 1,1-Dichloroethene	2.309	61	676	0.1139	ppb(v	99
6) trans-1,2-Dichloroethene	2.692	61	605m	0.0862	ppb(v	
7) 1,1-Dichloroethane	2.769	63	546m	0.0959	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	377	0.0916	ppb(v#	26
9) Chloroform	3.331	83	754m	0.1150	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	590	0.1125	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	567	0.1088	ppb(v	96
12) Benzene	4.278	78	931	0.1039	ppb(v	100
13) Carbon Tetrachloride	4.411	117	728	0.1317	ppb(v	97
15) Toluene	7.458	92	664	0.0968	ppb(v	97
16) Trichloroethene	5.231	95	467	0.0957	ppb(v	97
17) 1,2-Dichloropropane	4.987	65	108	0.0924	ppb(v	85
18) Bromodichloromethane	5.187	83	738	0.1104	ppb(v	94
19) cis-1,3-Dichloropropene	6.215	75	388	0.0926	ppb(v	97
20) trans-1,3-Dichloropropene	6.909	75	336	0.0876	ppb(v	98
21) 1,1,2-Trichloroethane	7.082	83	371	0.1074	ppb(v	99
22) Dibromochloromethane	8.036	129	782	0.1166	ppb(v	99
23) Tetrachloroethene	9.250	166	689	0.0922	ppb(v	94
24) 1,2-Dibromoethane	8.383	107	749	0.1167	ppb(v	96
26) Chlorobenzene	10.493	112	1030	0.0988	ppb(v	98
27) 1,1,2,2-Tetrachloroethane	12.805	83	956	0.1100	ppb(v	99
29) 1,3-Dichlorobenzene	16.799	146	1052	0.0890	ppb(v	83
30) 1,4-Dichlorobenzene	16.877	146	1080	0.0929	ppb(v	98
31) 1,2-Dichlorobenzene	17.173	146	1029	0.0900	ppb(v	98
32) Naphthalene	18.483	128	1893	0.1003	ppb(v	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34957.D
Acq On : 16 Feb 2025 8:59 am
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:31:15 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

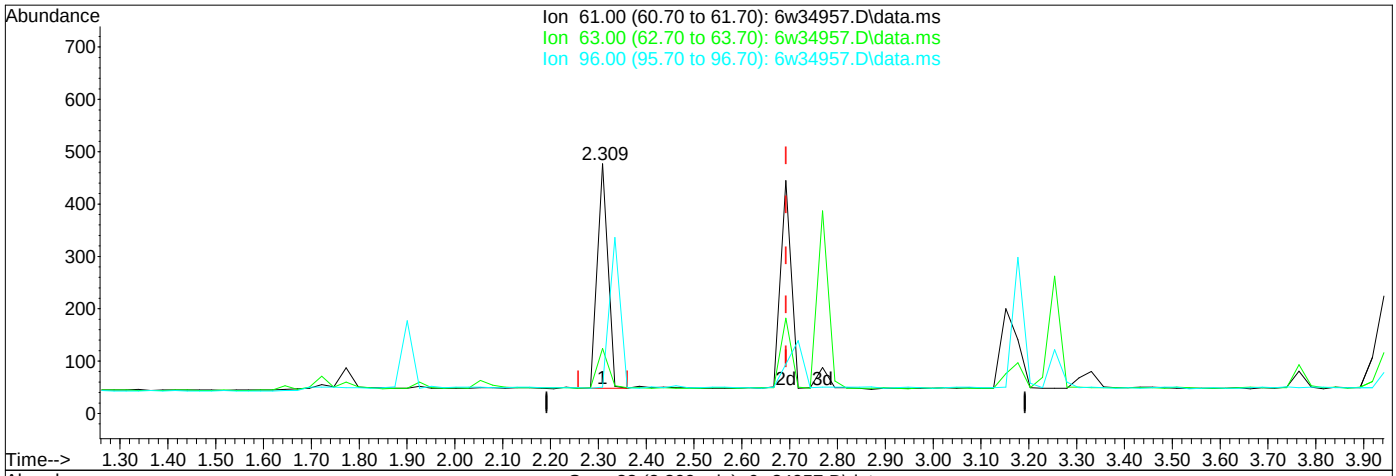
Sample Number: V6W1450-CC1441
Lab FileID: 6W34957.D
Injection Time: 02/16/25 08:59
Method: TO-15 (BY SIM)
Analyst approved: 02/17/25 05:38 Geralyn Gomez
Supervisor approved: 02/17/25 11:36 Kanya Veerawat

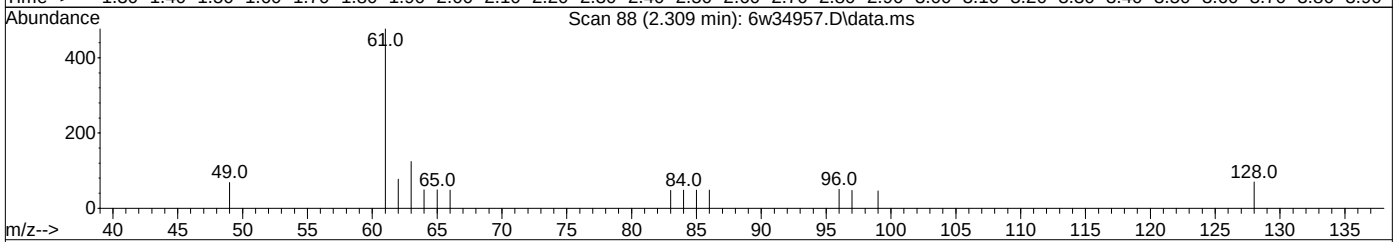
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,2-Dichloroethylene	156-60-5		2.69	Missed peak
1,1-Dichloroethane	75-34-3		2.77	Overlapping peak
Chloroform	67-66-3		3.33	Overlapping peak

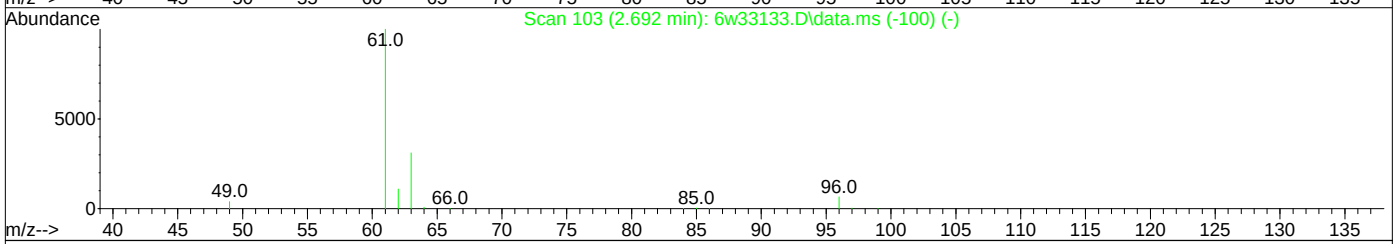
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34957.D
Acq On : 16 Feb 2025 8:59 am
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34957.D\data.ms

(6) trans-1,2-Dichloroethene (T)

2.309min (-0.383) 0.09ppb(v)

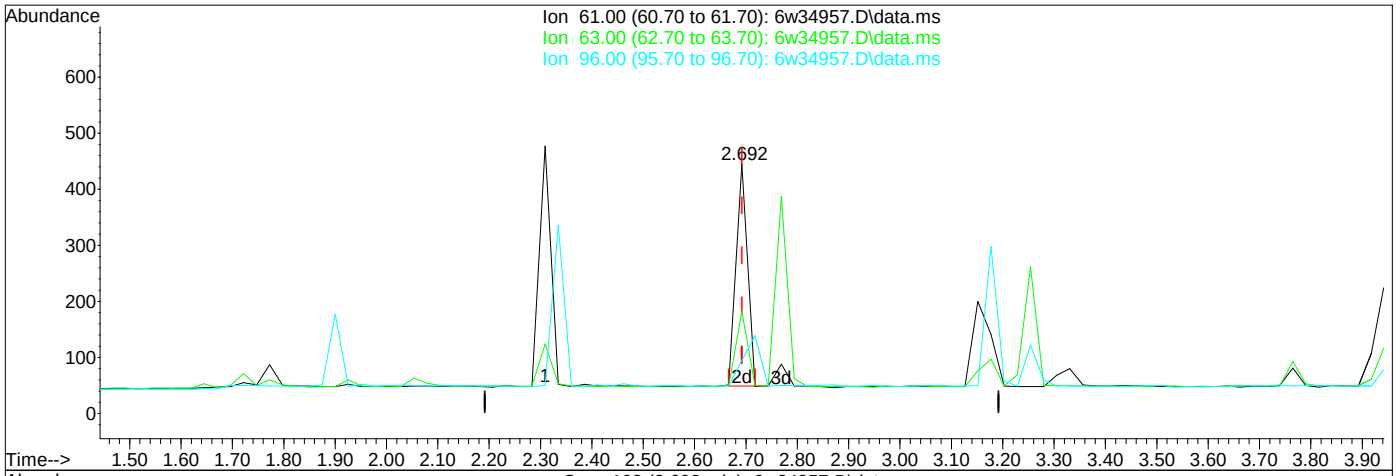
response 663

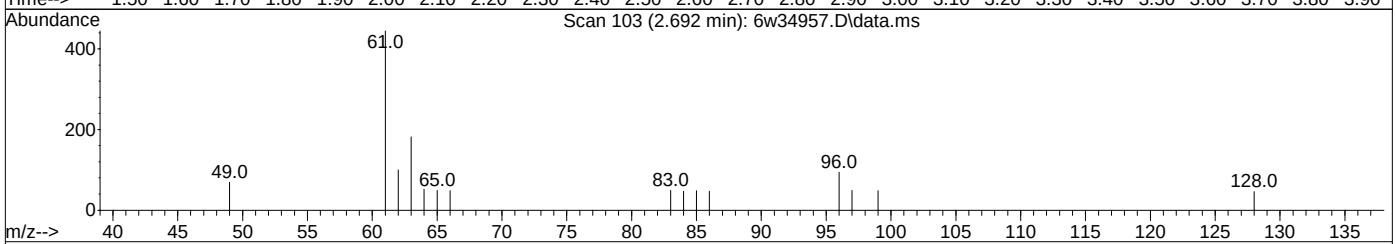
Ion	Exp%	Act%
61.00	100	100
63.00	34.70	26.00
96.00	12.80	10.48
0.00	0.00	0.00

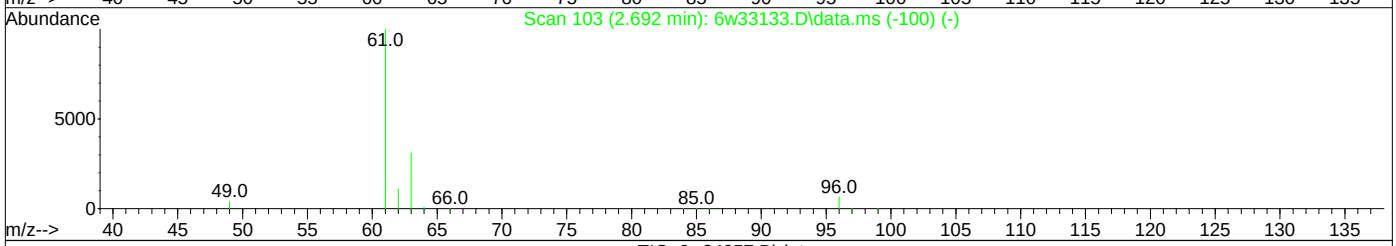
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34957.D
Acq On : 16 Feb 2025 8:59 am
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34957.D\data.ms

(6) trans-1,2-Dichloroethene (T)

2.692min (+0.000) 0.09ppb(v) m

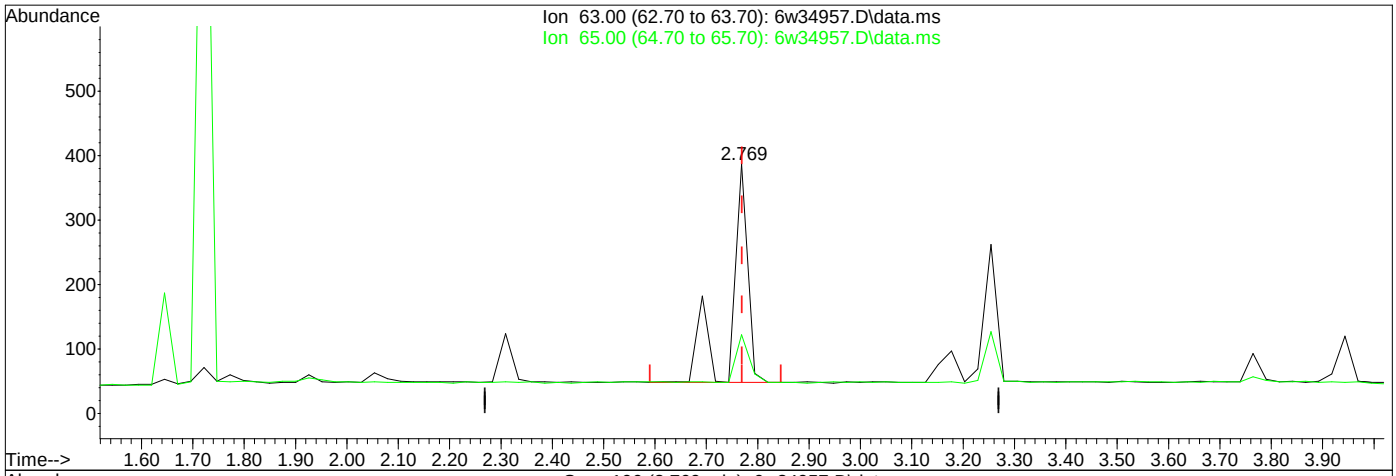
response 605

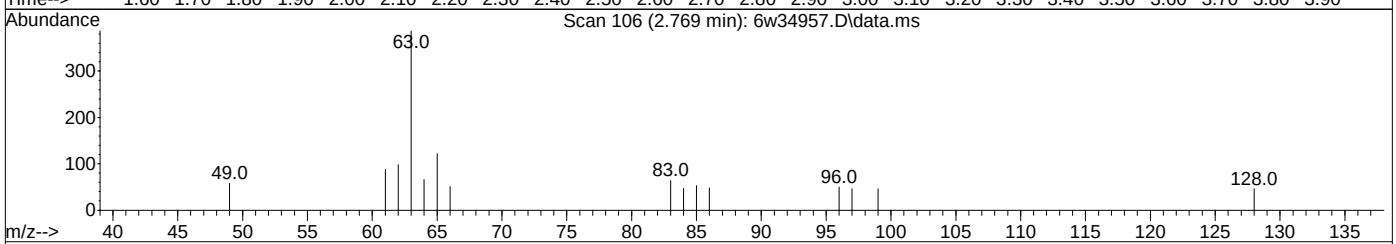
Ion	Exp%	Act%
61.00	100	100
63.00	34.70	40.90
96.00	12.80	21.12#
0.00	0.00	0.00

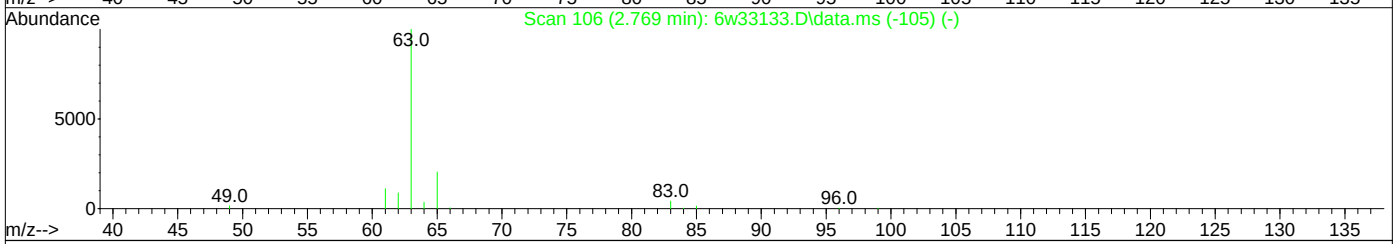
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34957.D
Acq On : 16 Feb 2025 8:59 am
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34957.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.13ppb(v)

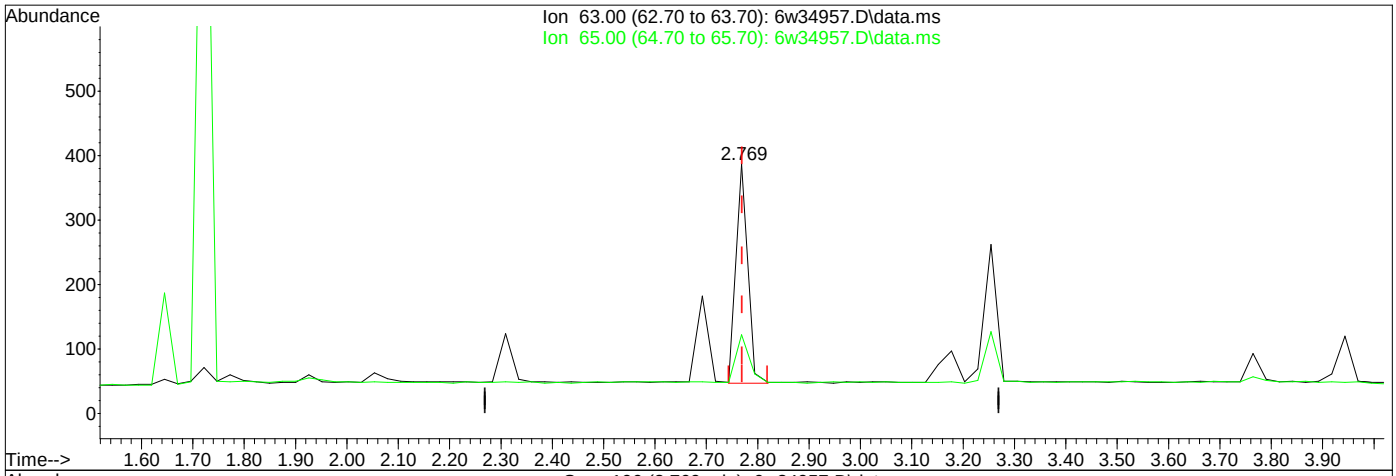
response 754

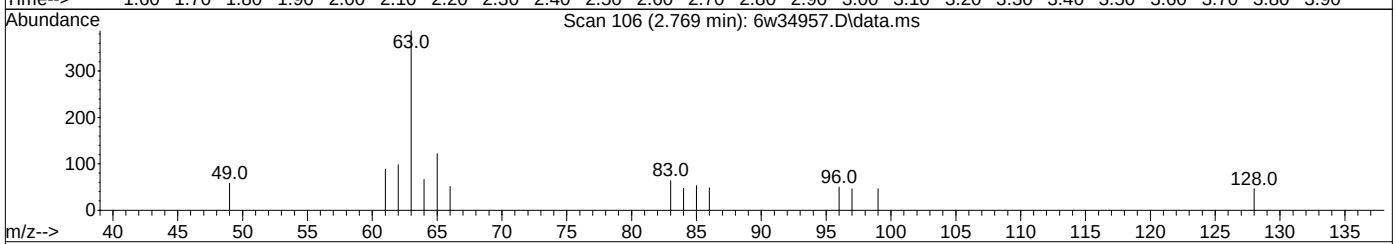
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	31.52
0.00	0.00	0.00
0.00	0.00	0.00

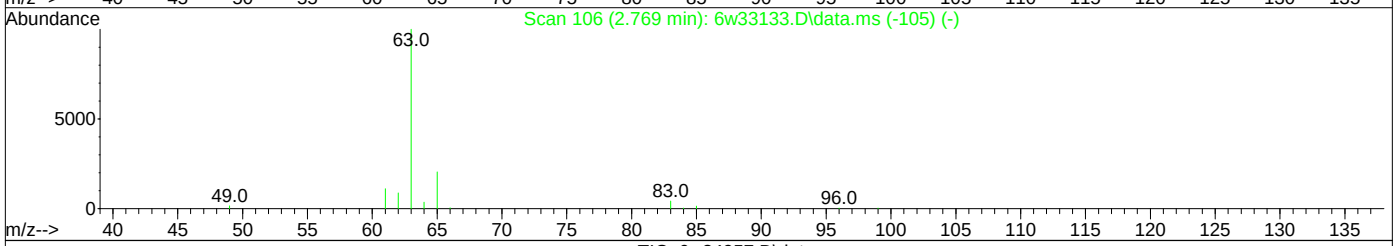
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34957.D
Acq On : 16 Feb 2025 8:59 am
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34957.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.10ppb(v) m

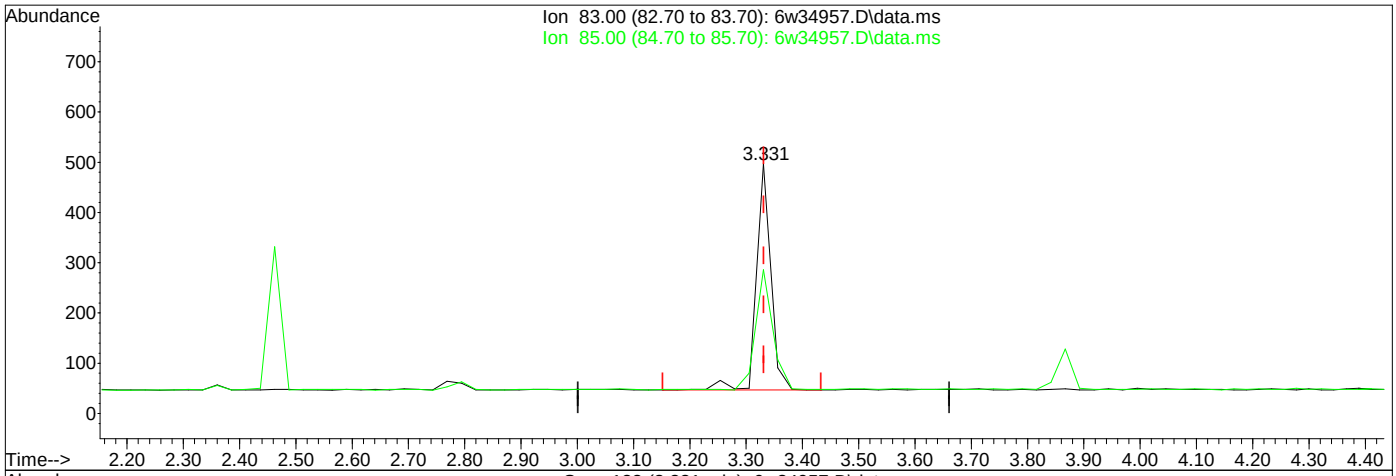
response 546

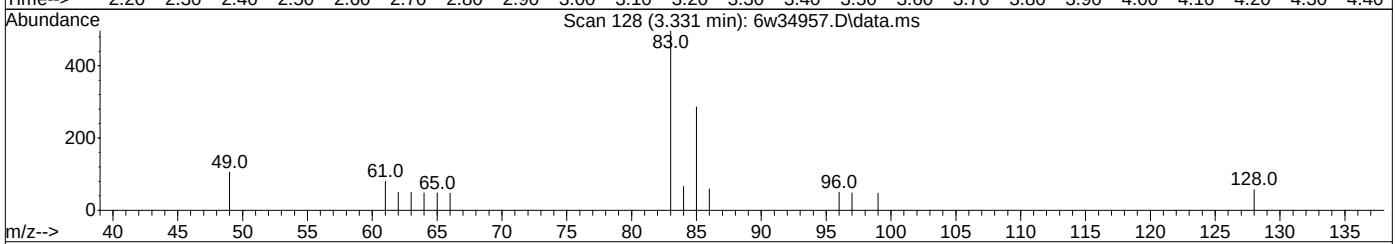
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	31.52
0.00	0.00	0.00
0.00	0.00	0.00

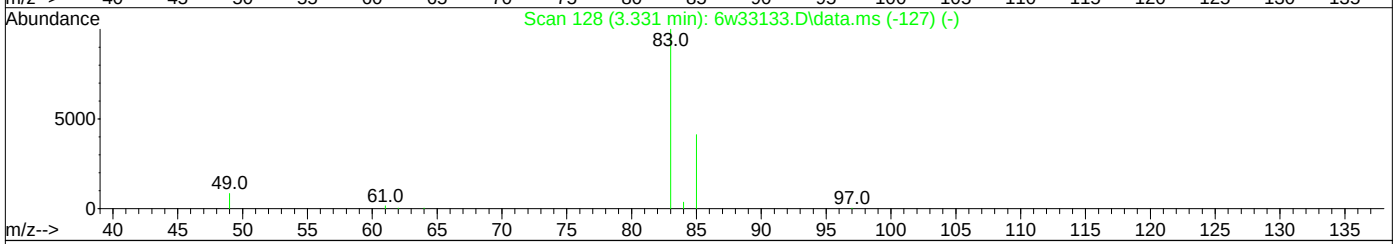
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34957.D
Acq On : 16 Feb 2025 8:59 am
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34957.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.12ppb(v)

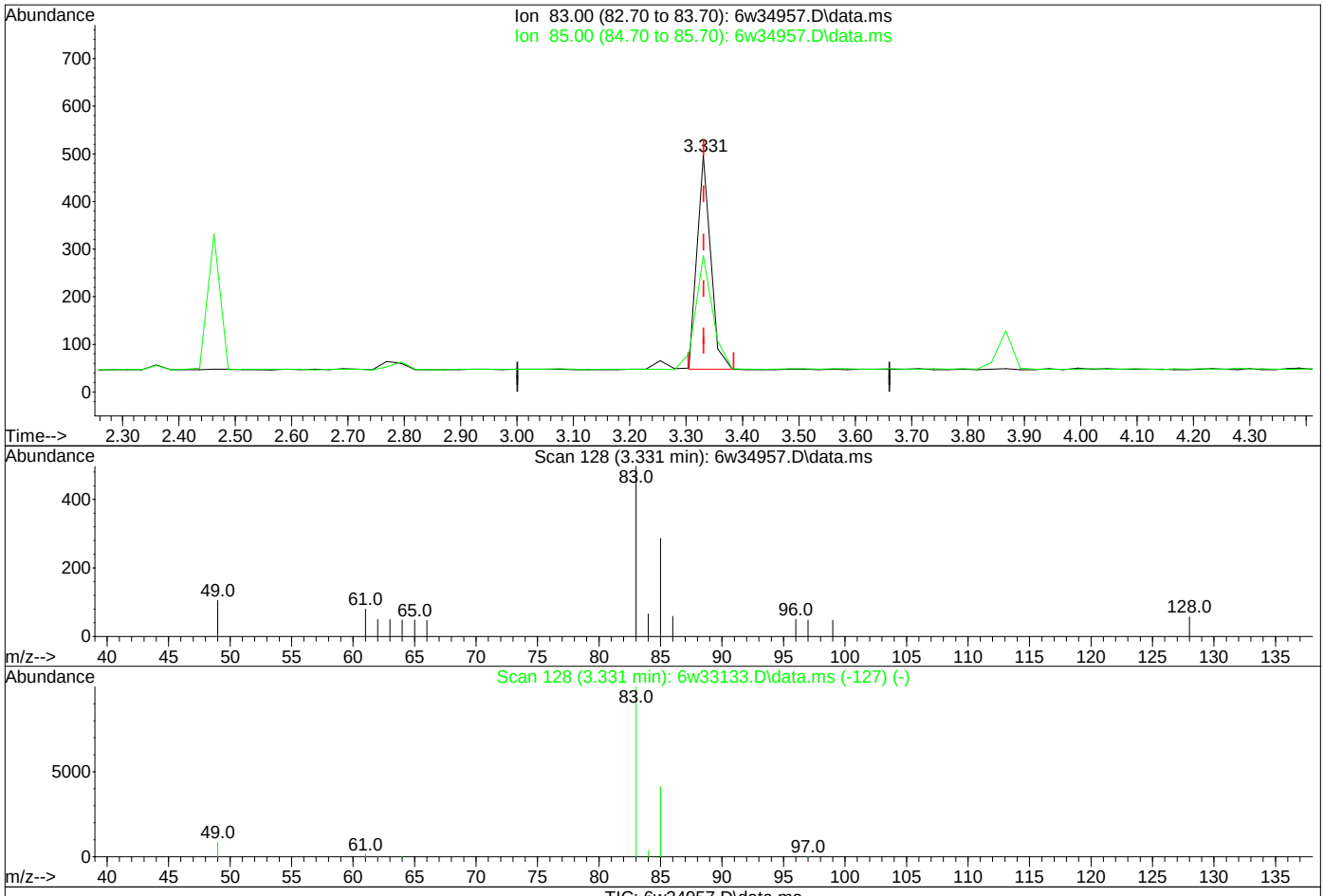
response 798

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	57.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34957.D
Acq On : 16 Feb 2025 8:59 am
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:21:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



TIC: 6w34957.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v) m

response 754

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	57.55
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/17/25 11:54

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34973.D
Acq On : 16 Feb 2025 8:16 pm
Operator : benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 13:30:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

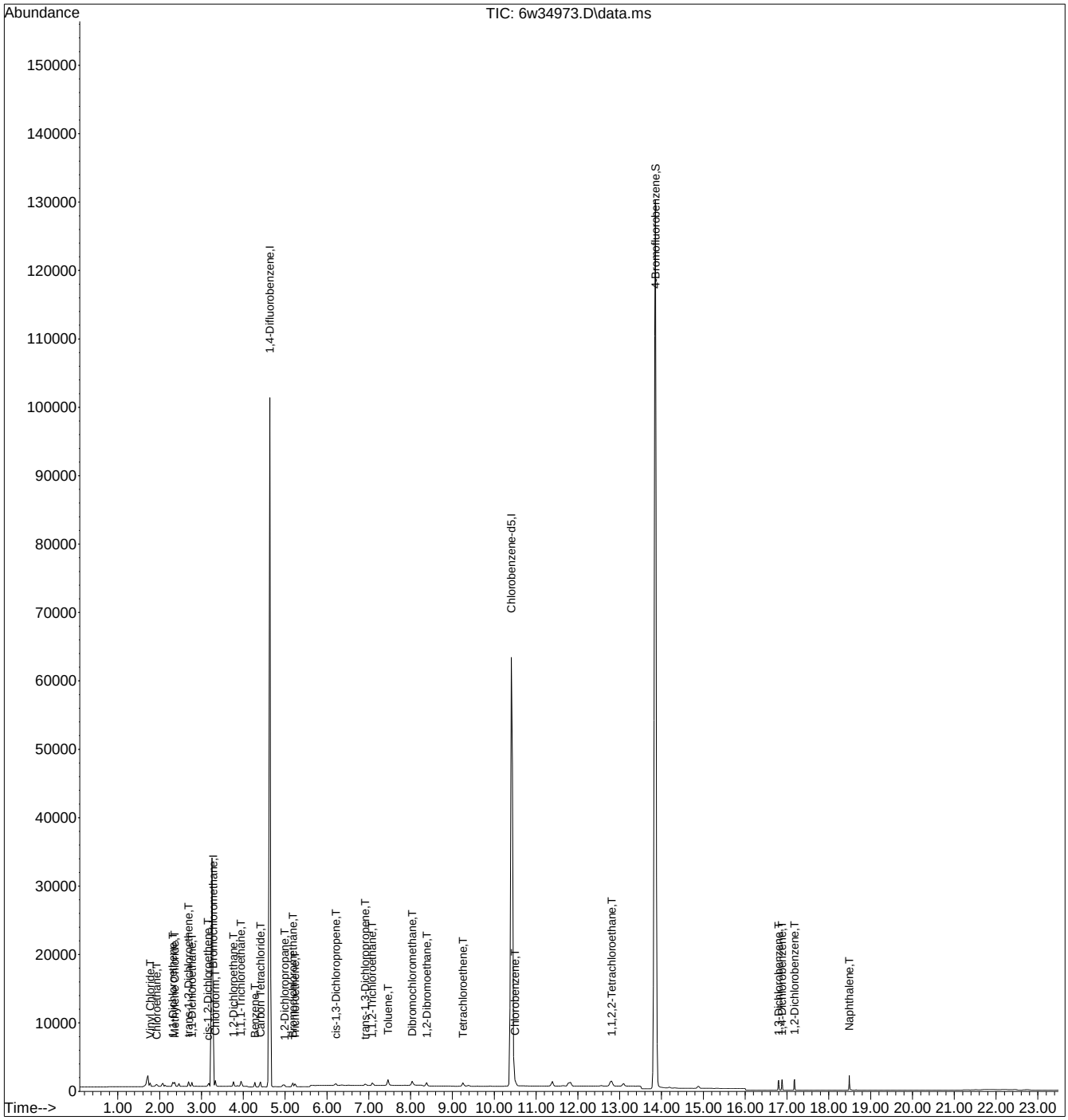
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.279	128	28808	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	156468	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	67932	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	100876	10.08	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.80%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	496	0.1241	ppb(v#	70
3) Vinyl Chloride	1.773	62	575	0.1068	ppb(v	96
4) Chloroethane	1.926	64	328	0.0833	ppb(v	91
5) 1,1-Dichloroethene	2.309	61	703	0.1098	ppb(v	97
6) trans-1,2-Dichloroethene	2.692	61	671m	0.0887	ppb(v	
7) 1,1-Dichloroethane	2.769	63	593m	0.0966	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	401	0.0903	ppb(v#	26
9) Chloroform	3.331	83	821m	0.1161	ppb(v	
10) 1,1,1-Trichloroethane	3.943	97	668	0.1182	ppb(v	78
11) 1,2-Dichloroethane	3.765	62	636	0.1132	ppb(v	97
12) Benzene	4.278	78	982	0.1017	ppb(v	98
13) Carbon Tetrachloride	4.411	117	800	0.1342	ppb(v	98
15) Toluene	7.458	92	739	0.1007	ppb(v	95
16) Trichloroethene	5.231	95	483	0.0925	ppb(v	94
17) 1,2-Dichloropropane	4.987	65	113	0.0904	ppb(v	88
18) Bromodichloromethane	5.187	83	782	0.1093	ppb(v	98
19) cis-1,3-Dichloropropene	6.215	75	437	0.0975	ppb(v	99
20) trans-1,3-Dichloropropene	6.909	75	377	0.0919	ppb(v	98
21) 1,1,2-Trichloroethane	7.082	83	387	0.1047	ppb(v	98
22) Dibromochloromethane	8.036	129	831	0.1158	ppb(v	100
23) Tetrachloroethene	9.250	166	793	0.0992	ppb(v	93
24) 1,2-Dibromoethane	8.383	107	671	0.0977	ppb(v	95
26) Chlorobenzene	10.493	112	1124	0.1018	ppb(v	99
27) 1,1,2,2-Tetrachloroethane	12.805	83	1011	0.1098	ppb(v	99
29) 1,3-Dichlorobenzene	16.799	146	1163	0.0929	ppb(v	83
30) 1,4-Dichlorobenzene	16.884	146	1163	0.0945	ppb(v	86
31) 1,2-Dichlorobenzene	17.180	146	1129	0.0933	ppb(v	86
32) Naphthalene	18.490	128	1915	0.0958	ppb(v	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34973.D
Acq On : 16 Feb 2025 8:16 pm
Operator : benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 13:30:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

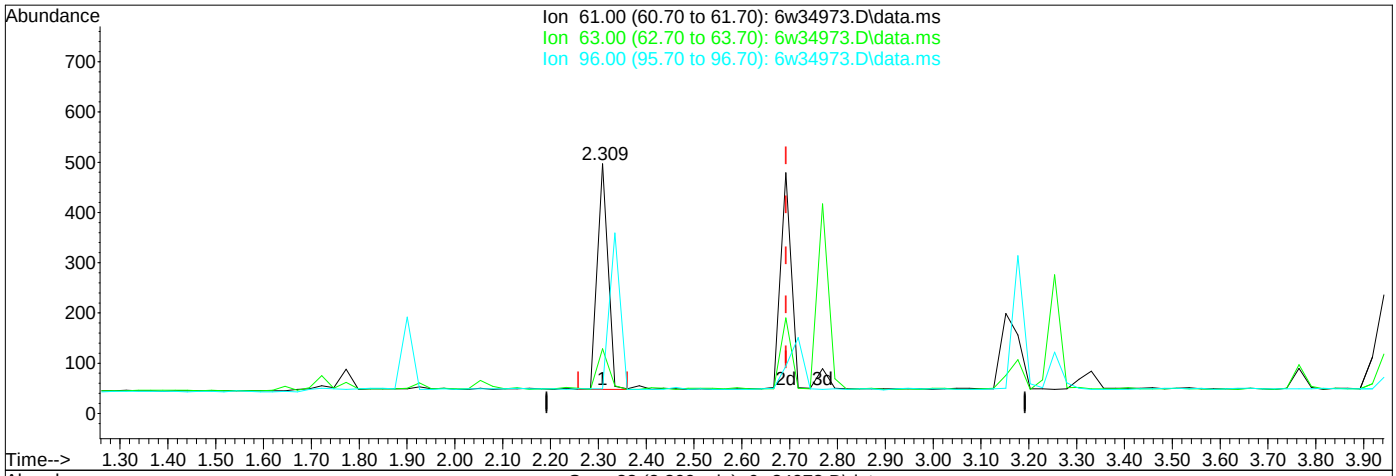
Sample Number: V6W1450-ECC1441 **Method:** TO-15 (BY SIM)
Lab FileID: 6W34973.D **Analyst approved:** 02/17/25 08:48 Geralyn Gomez
Injection Time: 02/16/25 20:16 **Supervisor approved:** 02/17/25 11:54 Kanya Veerawat

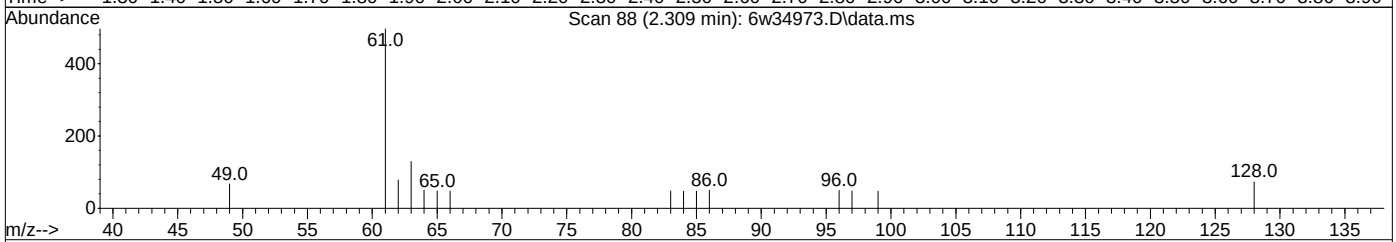
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,2-Dichloroethylene	156-60-5		2.69	Missed peak
1,1-Dichloroethane	75-34-3		2.77	Overlapping peak
Chloroform	67-66-3		3.33	Overlapping peak

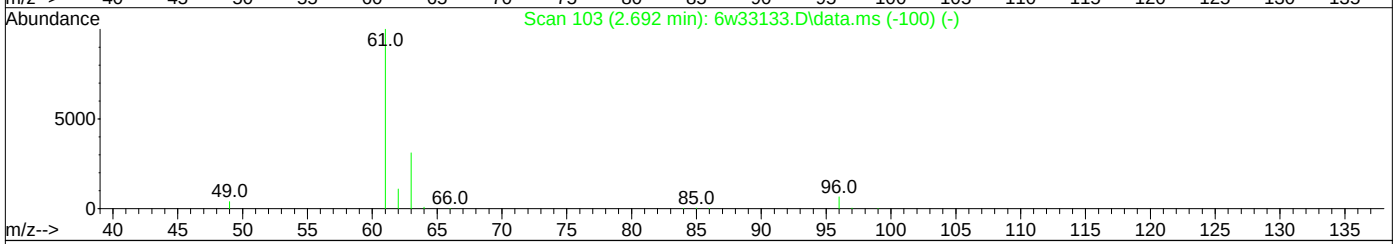
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34973.D
Acq On : 16 Feb 2025 8:16 pm
Operator : benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:24:04 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34973.D\data.ms

(6) trans-1,2-Dichloroethene (T)

2.309min (-0.383) 0.09ppb(v)

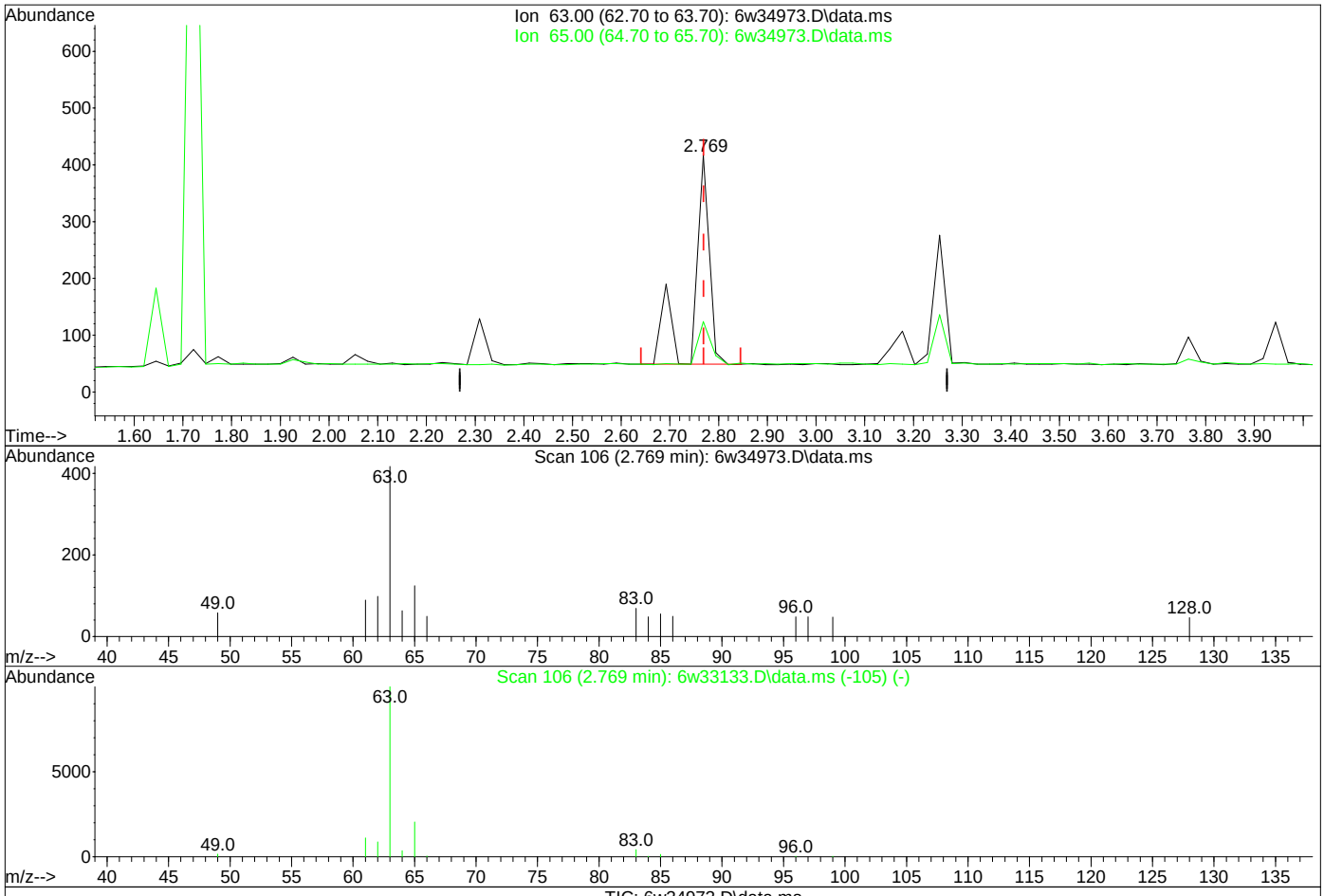
response 700

Ion	Exp%	Act%
61.00	100	100
63.00	34.70	25.96
96.00	12.80	9.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34973.D
Acq On : 16 Feb 2025 8:16 pm
Operator : benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:24:04 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



TIC: 6w34973.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.13ppb(v)

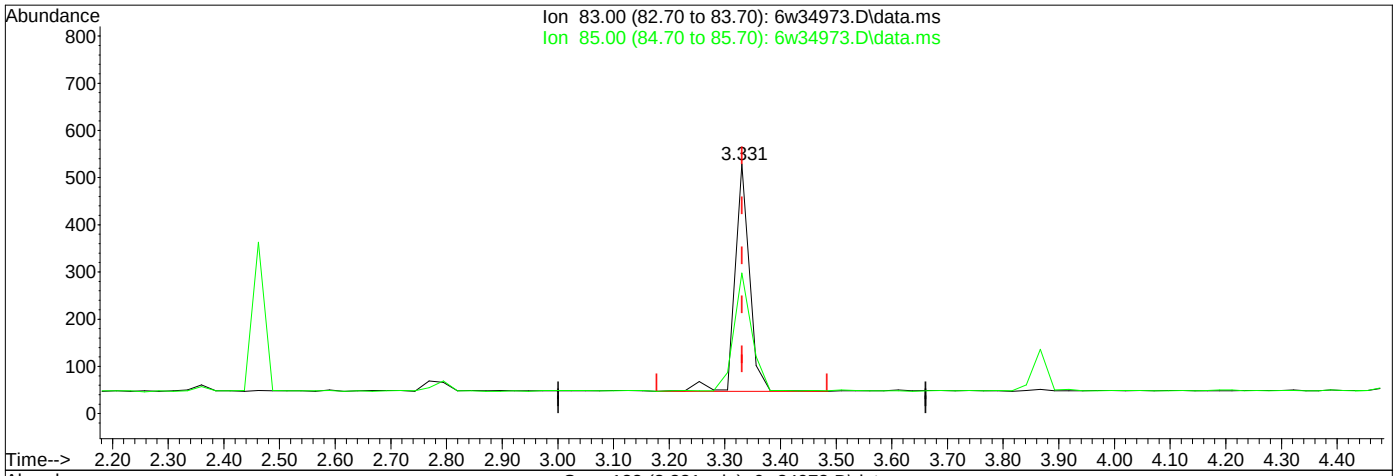
response 811

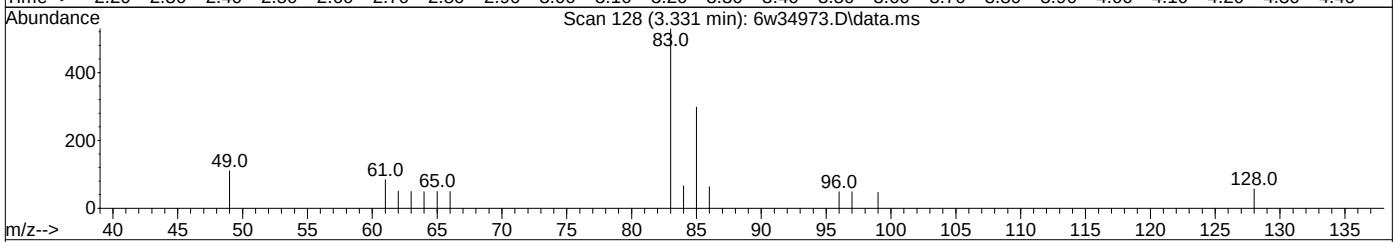
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	29.74
0.00	0.00	0.00
0.00	0.00	0.00

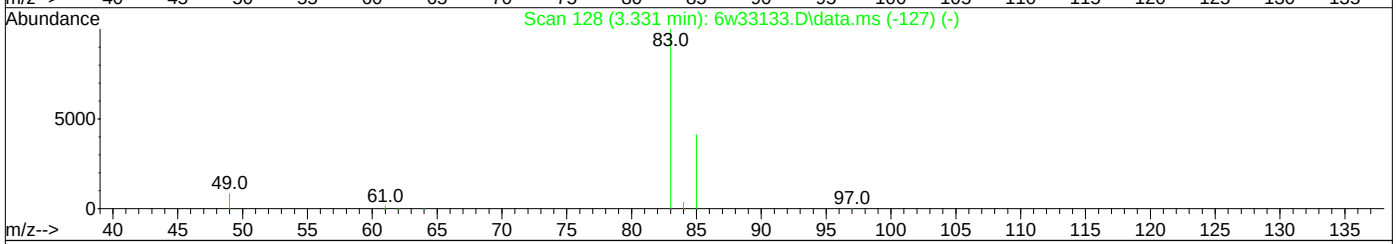
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\02-17-2025\V6W1450\
Data File : 6w34973.D
Acq On : 16 Feb 2025 8:16 pm
Operator : benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 10:24:04 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34973.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.12ppb(v)

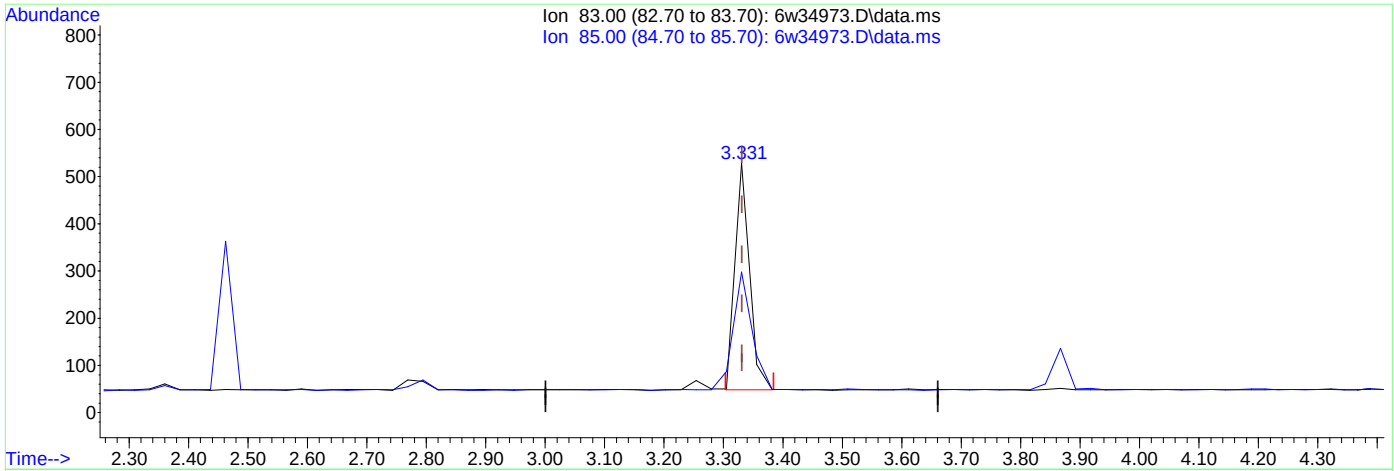
response 876

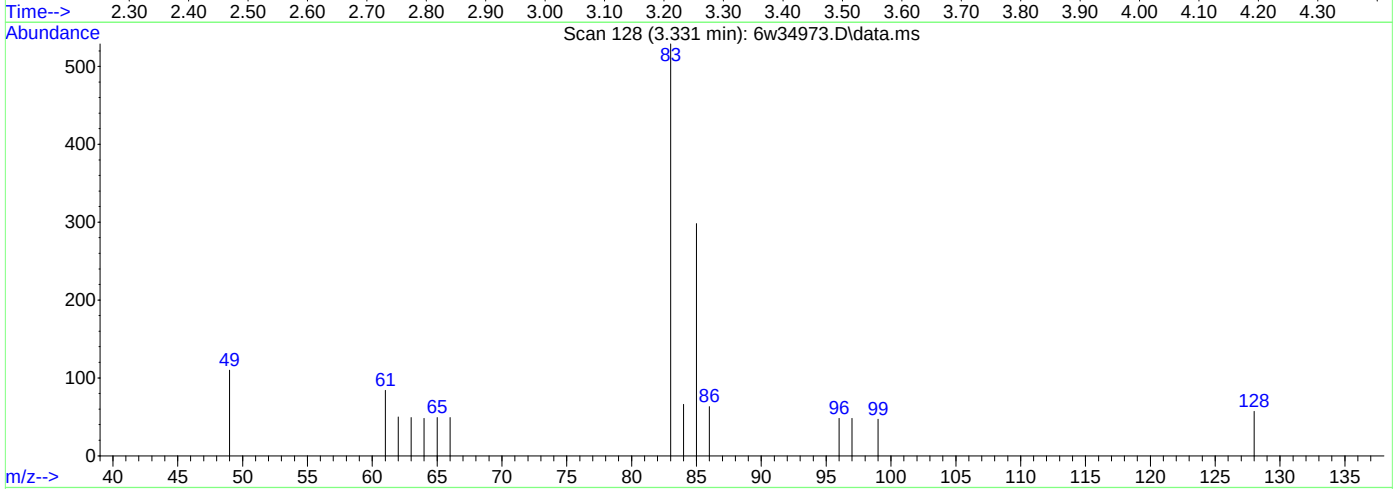
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2025\2. February\17 Feb 2025\V6W1450\
Data File : 6w34973.D
Acq On : 16 Feb 2025 8:16 pm
Operator : benk
Sample : ecc1441-0.1
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:30:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration





TIC: 6w34973.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.12ppb(v) m

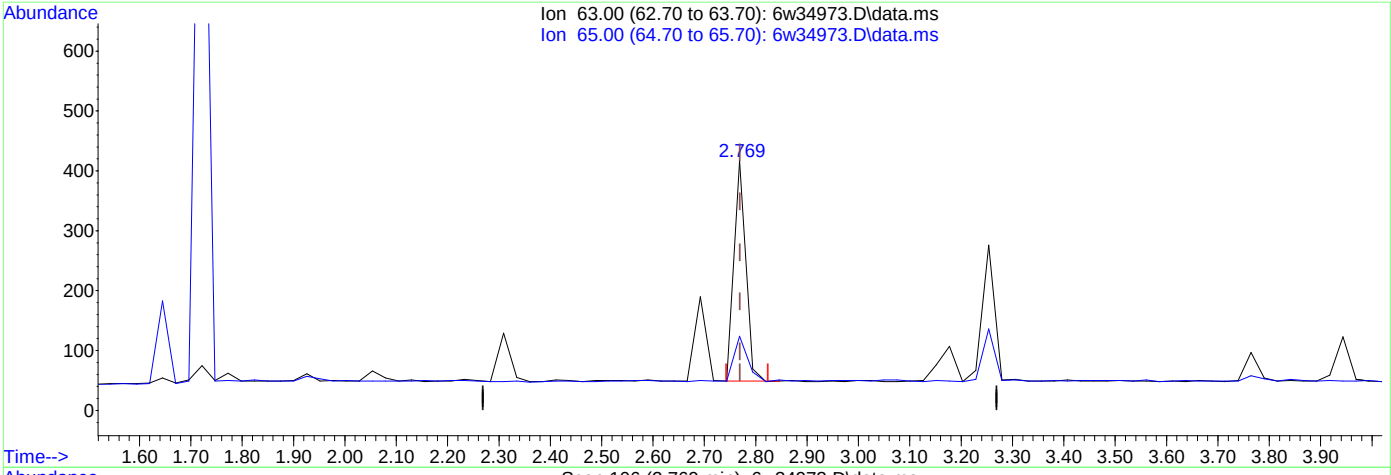
response 821

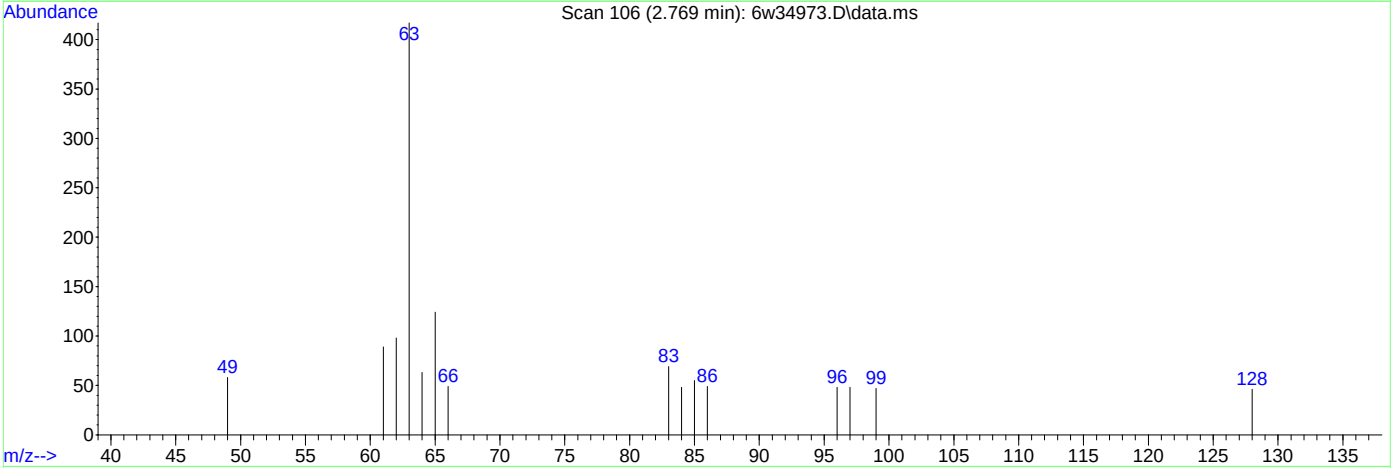
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2025\2. February\17 Feb 2025\V6W1450\
Data File : 6w34973.D
Acq On : 16 Feb 2025 8:16 pm
Operator : benk
Sample : ecc1441-0.1
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:30:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration





TIC: 6w34973.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.10ppb(v) m

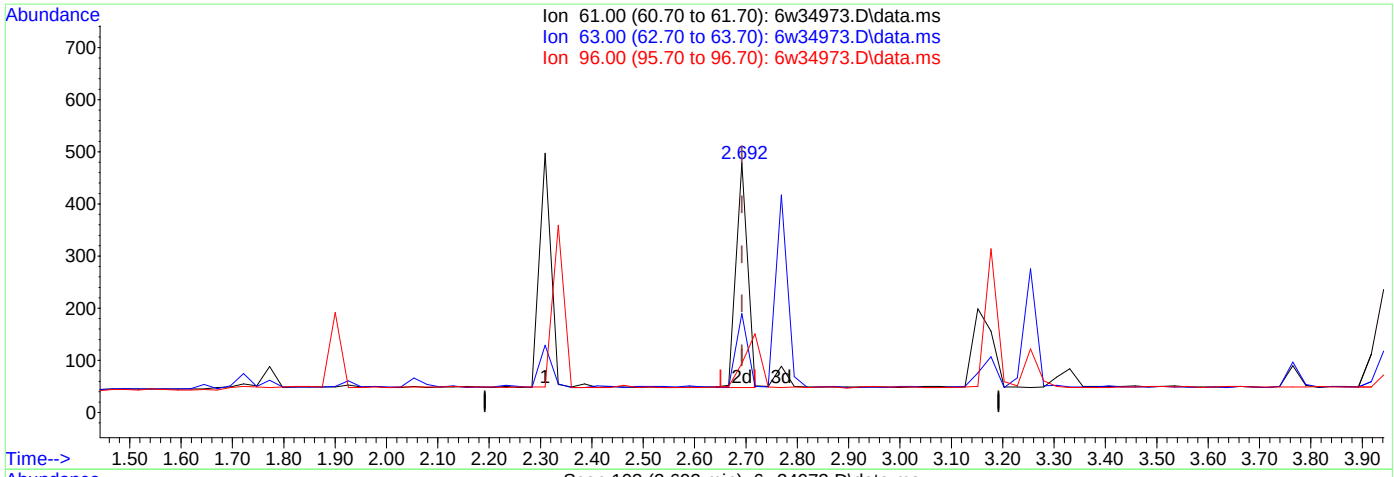
response 593

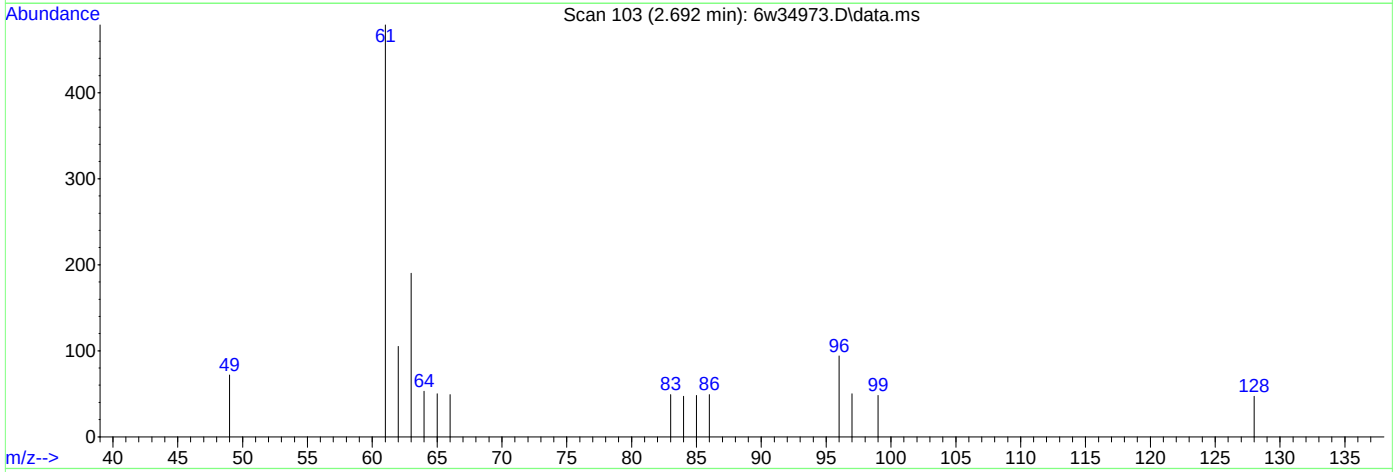
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	29.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2025\2. February\17 Feb 2025\V6W1450\
Data File : 6w34973.D
Acq On : 16 Feb 2025 8:16 pm
Operator : benk
Sample : ecc1441-0.1
Misc : MS80372,v6w1450,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:30:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration





TIC: 6w34973.D\data.ms

(6) trans-1,2-Dichloroethene (T)

2.692min (+0.000) 0.09ppb(v) m

response 671

Ion	Exp%	Act%
61.00	100	100
63.00	34.70	39.67
96.00	12.80	19.62#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.223	128	135115	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.490	114	681342	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	623287	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.223	128	135115	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	446738	9.86	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	481	0.04	PPBV		97
3) FREON 152A	1.628	65	207m	0.03	PPBV		
4) CHLORODIFLUOROMETHANE	1.638	67	132	0.04	PPBV	#	40
5) CHLOROTRIFLUOROETHENE	1.650	116	547	0.03	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.666	85	1186	0.03	PPBV	#	87
7) PROPYLENE	1.650	41	502	0.06	PPBV	#	60
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	979	0.04	PPBV	#	71
9) FREON 114	1.737	85	987	0.04	PPBV		93
10) CHLOROMETHANE	1.711	52	181	0.05	PPBV		81
11) VINYL CHLORIDE	1.773	62	372	0.03	PPBV	#	81
12) 1,3-BUTADIENE	1.808	54	595	0.07	PPBV	#	22
13) N-BUTANE	1.824	43	1027	0.06	PPBV	#	1
14) BROMOMETHANE	1.882	94	453	0.05	PPBV	#	61
15) CHLOROETHANE	1.933	64	271	0.04	PPBV		85
16) DICHLOROFLUOROMETHANE	1.959	67	870	0.04	PPBV		95
17) ACETONITRILE	2.027	41	415m	0.04	PPBV		
18) ACROLEIN	2.062	56	289m	0.05	PPBV		
19) FREON 123	2.072	83	1077	0.04	PPBV		89
20) FREON 123A	2.091	117	665	0.04	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.155	101	993	0.03	PPBV	#	84
22) ISOPROPYL ALCOHOL	2.187	45	1113	0.04	PPBV	#	64
23) ACETONE	2.104	58	492	0.07	PPBV		82
24) PENTANE	2.271	42	559	0.05	PPBV	#	43
25) IODOMETHANE	2.332	142	957	0.03	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.358	96	627	0.06	PPBV	#	63
27) CARBON DISULFIDE	2.490	76	1027	0.03	PPBV	#	66
28) ETHANOL	1.966	45	1506	0.14	PPBV		93
29) BROMOETHENE	2.030	106	456	0.04	PPBV	#	96
30) ACRYLONITRILE	2.239	52	746	0.08	PPBV	#	70
31) METHYLENE CHLORIDE	2.396	84	1398	0.12	PPBV		88
32) 3-CHLOROPROPENE	2.435	76	208	0.04	PPBV	#	25
33) FREON 113	2.490	151	596	0.03	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.721	96	582	0.05	PPBV	#	66
35) TERTIARY BUTYL ALCOHOL	2.400	59	999	0.03	PPBV	#	29
36) METHYL TERTIARY BUTYL ...	2.830	73	1395	0.04	PPBV	#	68
37) TETRAHYDROFURAN	3.544	72	121	0.02	PPBV	#	1
38) HEXANE	3.281	57	1034	0.05	PPBV		80
39) VINYL ACETATE	2.859	86	94	0.03	PPBV	#	1
40) 1,1-DICHLOROETHANE	2.789	63	752	0.03	PPBV	#	70
41) METHYL ETHYL KETONE	2.969	72	186	0.03	PPBV	#	1
42) CIS-1,2-DICHLOROETHENE	3.149	96	425	0.03	PPBV		94
43) DIISOPROPYL ETHER	3.287	59	224	0.04	PPBV		89
44) ETHYL ACETATE	3.303	61	143	0.03	PPBV	#	59
45) METHYL ACRYLATE	3.281	55	833	0.03	PPBV	#	88
46) CHLOROFORM	3.293	83	952	0.04	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.782	57	1020	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	3.866	97	955	0.04	PPBV		92
49) CARBON TETRACHLORIDE	4.284	117	740	0.03	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	665	0.04	PPBV #	91
51) BENZENE	4.174	78	1541	0.04	PPBV	97
53) CYCLOHEXANE	4.371	84	625	0.04	PPBV #	75
54) 2,3-DIMETHYLPENTANE	4.628	71	389	0.05	PPBV #	97
55) TRICHLOROETHENE	5.062	95	555	0.03	PPBV	96
56) 1,2-DICHLOROPROPANE	4.827	63	530	0.04	PPBV #	83
57) DIBROMOMETHANE	4.785	174	759	0.05	PPBV	93
58) ETHYL ACRYLATE	4.965	55	1009	0.03	PPBV #	95
59) BROMODICHLOROMETHANE	4.998	83	901	0.03	PPBV	99
60) 2,2,4-TRIMETHYLPENTANE	5.152	57	2462	0.04	PPBV #	89
61) 1,4-DIOXANE	5.226	88	244	0.02	PPBV #	47
62) HEPTANE	5.470	43	805	0.03	PPBV #	77
63) METHYL METHACRYLATE	5.370	69	643	0.04	PPBV #	76
64) METHYL ISOBUTYL KETONE	6.133	58	435	0.03	PPBV #	81
65) CIS-1,3-DICHLOROPROPENE	5.994	75	735	0.03	PPBV #	73
66) TOLUENE	7.187	91	2041	0.04	PPBV	89
67) 1,3-DICHLOROPROPANE	7.239	76	755	0.03	PPBV #	74
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	643	0.03	PPBV	97
69) 1,1,2-TRICHLOROETHANE	6.827	83	477	0.04	PPBV	100
70) 2-HEXANONE	7.817	58	587	0.03	PPBV #	59
71) ETHYL METHACRYLATE	7.904	69	1154	0.05	PPBV #	84
72) TETRACHLOROETHENE	8.904	164	711	0.04	PPBV	95
73) DIBROMOCHLOROMETHANE	7.721	129	828	0.03	PPBV	94
74) 1,2-DIBROMOETHANE	8.052	107	793	0.03	PPBV #	96
75) OCTANE	9.058	43	1306	0.04	PPBV	86
77) 1,1,1,2-TETRACHLOROETHANE	10.107	131	628	0.03	PPBV #	78
78) CHLOROBENZENE	10.103	112	1266	0.03	PPBV	85
79) ETHYLBENZENE	10.988	91	2859	0.05	PPBV	88
80) M,P-XYLENE	11.422	91	3729m	0.08	PPBV	
81) O-XYLENE	12.354	91	2008	0.04	PPBV	98
82) STYRENE	12.152	104	1076	0.03	PPBV	95
83) NONANE	13.460	43	1432	0.04	PPBV	85
84) BROMOFORM	11.229	173	696	0.03	PPBV #	79
85) 1,1,2,2-TETRACHLOROETHANE	12.354	83	1109	0.03	PPBV #	94
86) 1,2,3-TRICHLOROPROPANE	12.644	75	809	0.03	PPBV #	99
88) ISOPROPYLBENZENE	13.862	120	606	0.03	PPBV #	68
89) BROMOBENZENE	13.721	77	1193	0.03	PPBV #	66
90) 2-CHLOROTOLUENE	14.843	126	445	0.03	PPBV #	43
91) N-PROPYLBENZENE	15.203	120	527	0.03	PPBV	95
92) 4-ETHYLTOLUENE	15.647	105	2316m	0.03	PPBV	
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	1967	0.03	PPBV	92
94) ALPHA-METHYLSTYRENE	16.216	118	852	0.03	PPBV	90
95) TERT-BUTYLBENZENE	16.528	134	479	0.03	PPBV	95
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	2036	0.03	PPBV	98
97) BENZYL CHLORIDE	16.631	91	1586	0.03	PPBV	90
98) M-DICHLOROBENZENE	16.598	146	1203	0.03	PPBV	90
99) P-DICHLOROBENZENE	16.692	146	1243	0.03	PPBV	96
100) O-DICHLOROBENZENE	17.007	146	1290	0.03	PPBV	95
101) SEC-BUTYLBENZENE	16.843	134	535	0.03	PPBV	79
102) 1,2,3-TRIMETHYLBENZENE	16.958	105	1962	0.03	PPBV	94
103) P-ISOPROPYLTOLUENE	17.032	134	596	0.03	PPBV	87
104) N-BUTYLBENZENE	17.399	134	566	0.03	PPBV	83
105) HEXACHLOROETHANE	17.576	117	628	0.03	PPBV	91
106) HEXACHLOROBUTADIENE	18.634	225	926	0.03	PPBV	98
107) 1,2,4-TRICHLOROBENZENE	18.325	180	996	0.03	PPBV	94
108) NAPHTHALENE	18.376	128	2159	0.03	PPBV	97
110) TVHC as equiv Pentane	2.268	TIC	2517m	0.04	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

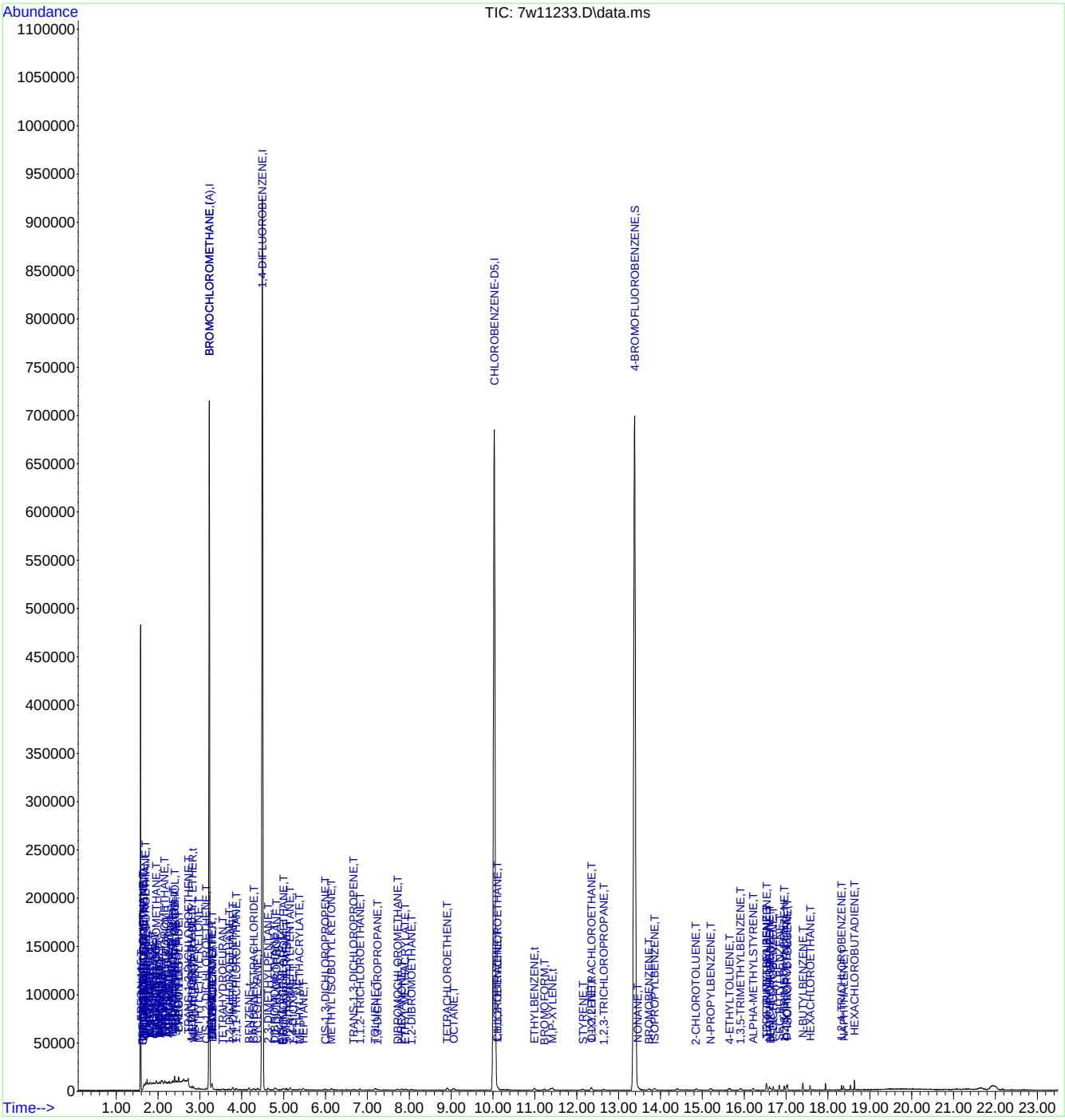
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



Manual Integration Approval Summary

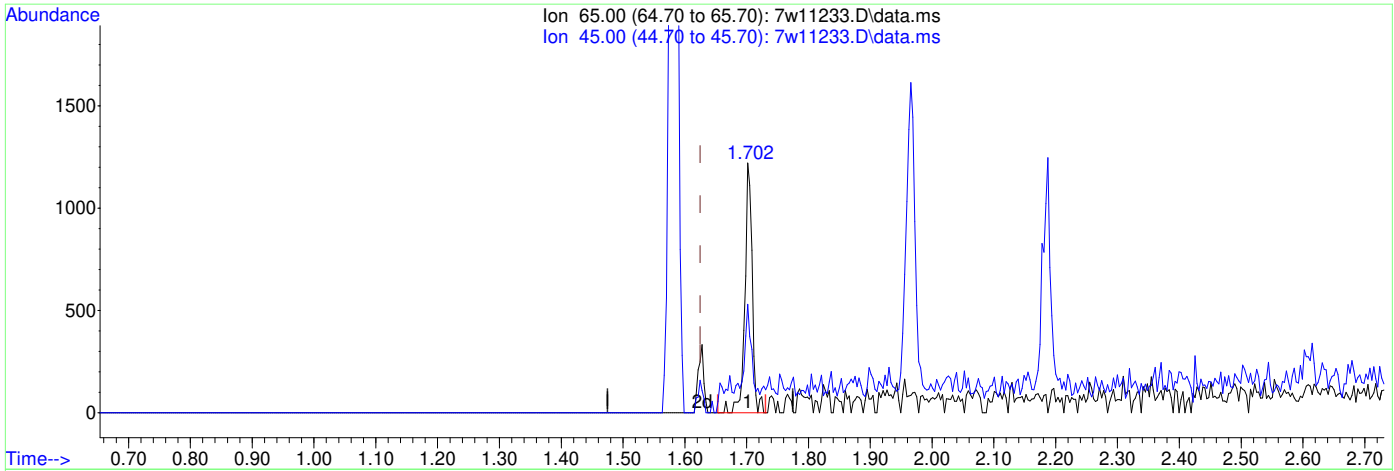
Sample Number: V7W405-IC405
Lab FileID: 7W11233.D
Injection Time: 12/28/24 09:16
Method: TO-15
Analyst approved: 12/30/24 00:11 Kanya Veerawat
Supervisor approved: 12/30/24 00:15 Kanya Veerawat

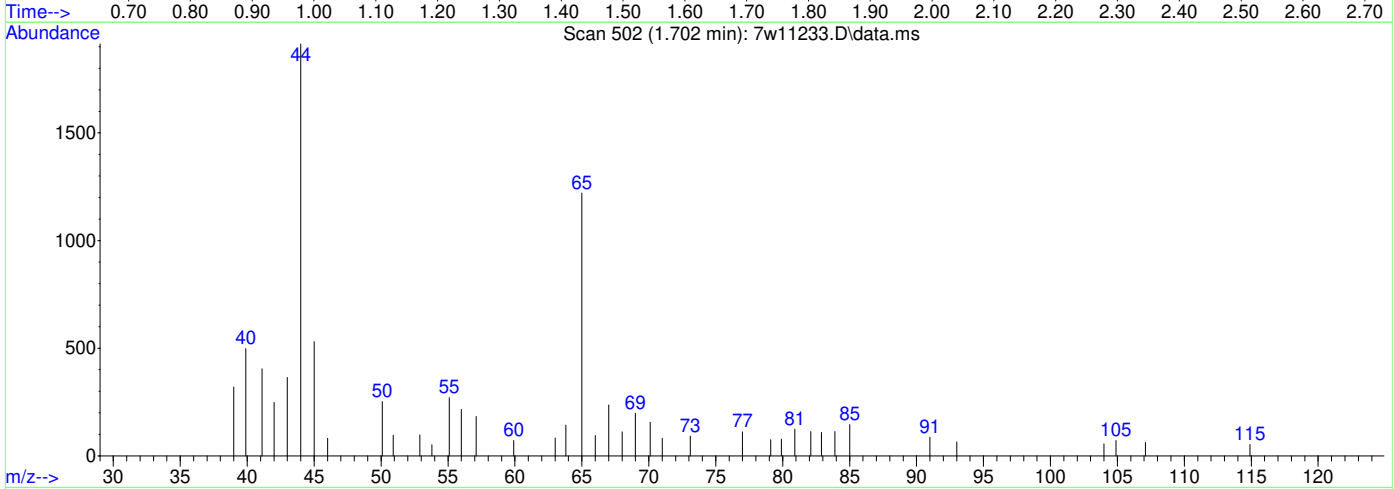
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.63	Missed peak
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acrolein	107-02-8		2.06	Missed peak
TVHC As Equiv Pentane			2.27	Missed peak
m,p-Xylene			11.42	Split peak
4-Ethyltoluene	622-96-8		15.65	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.702min (+0.077) 0.15PPBV

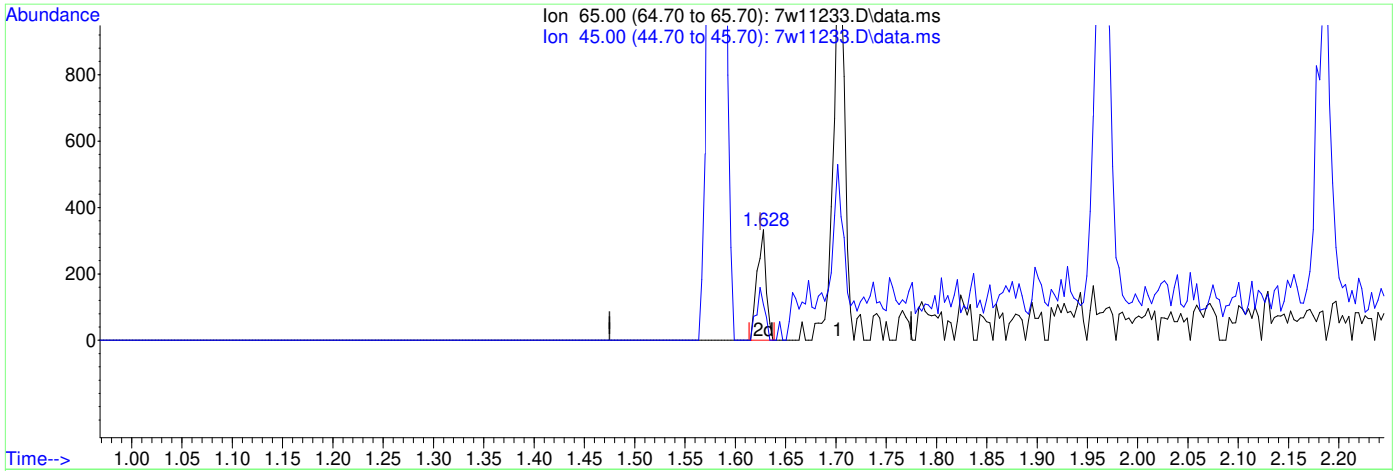
response 989

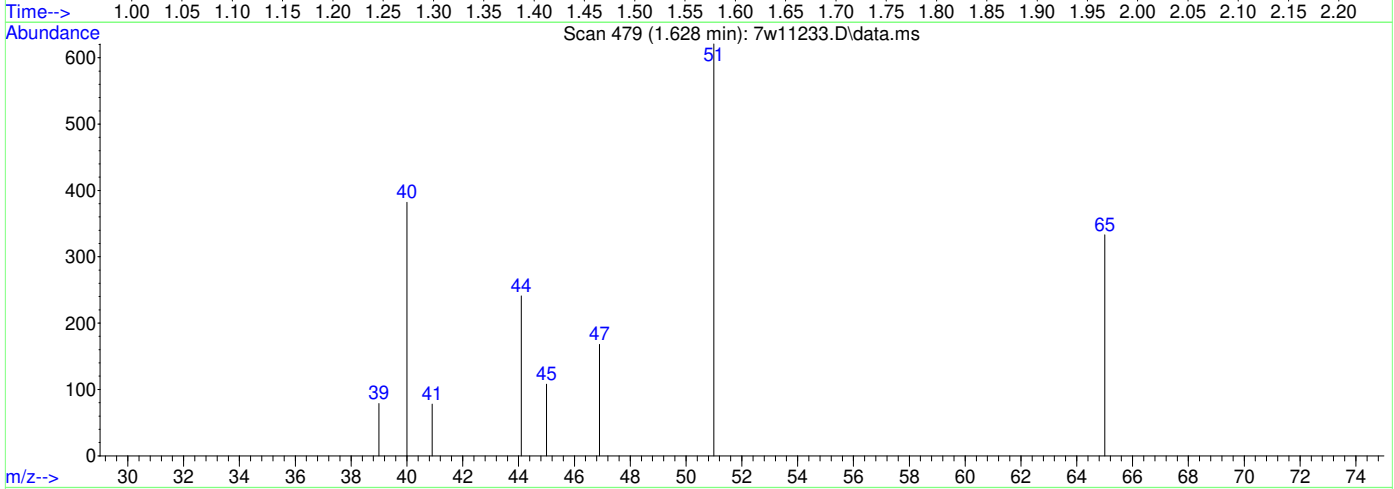
Ion	Exp%	Act%
65.00	100	100
45.00	33.60	34.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.628min (+0.003) 0.03PPBV m

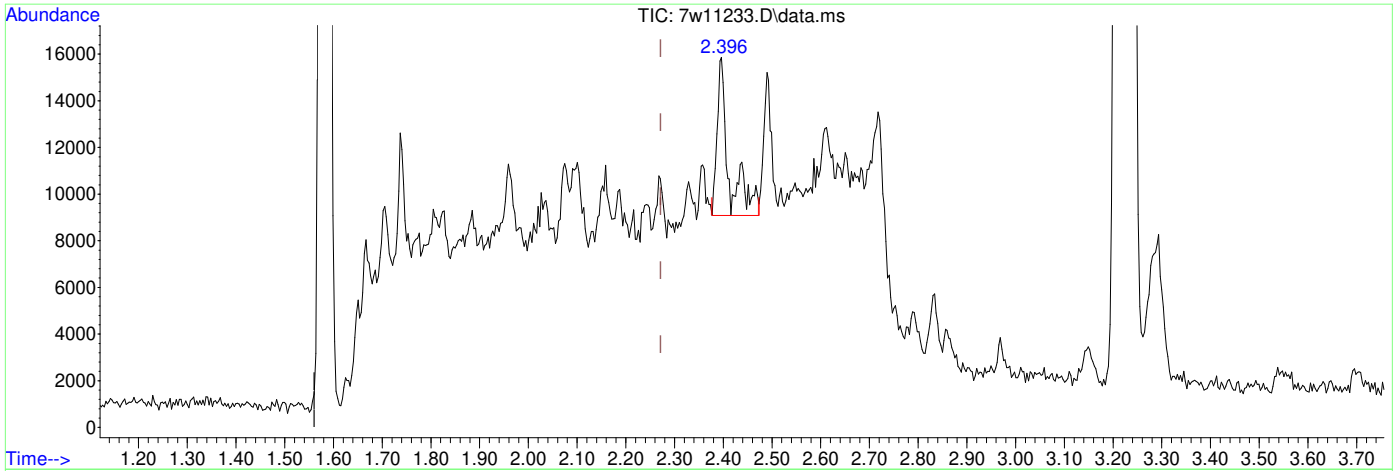
response 207

Ion	Exp%	Act%
65.00	100	100
45.00	33.60	163.29#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.396min (+0.125) 0.20PPBV

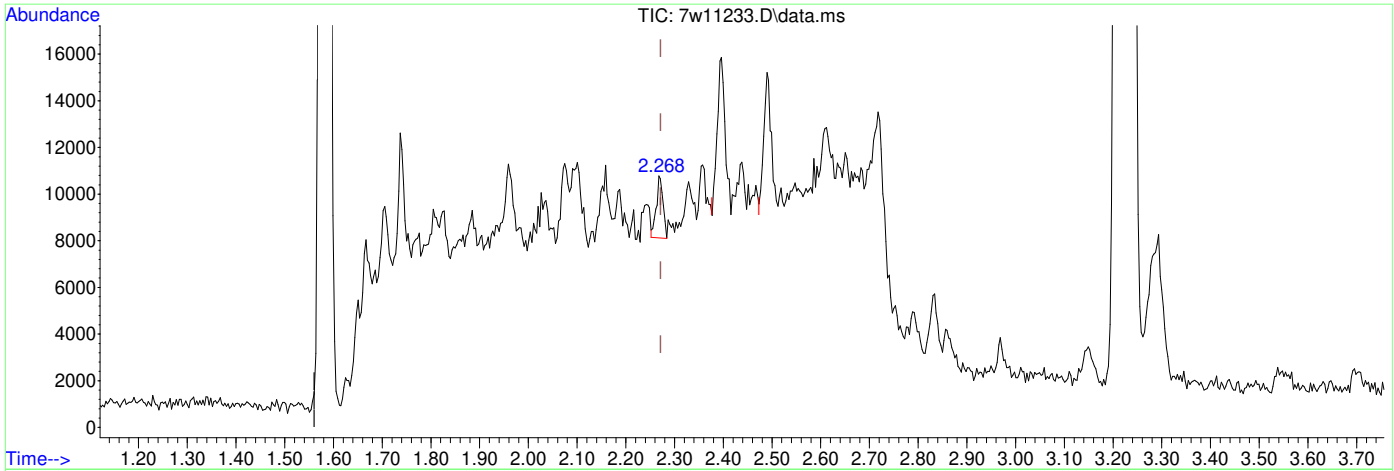
response 11422

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.268min (-0.003) 0.04PPBV m

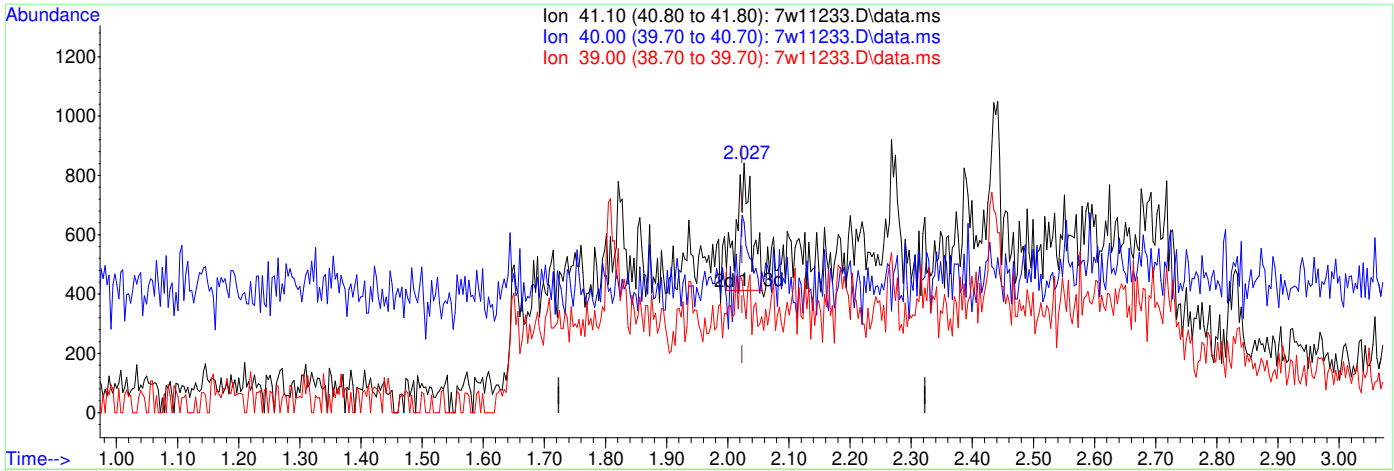
response 2517

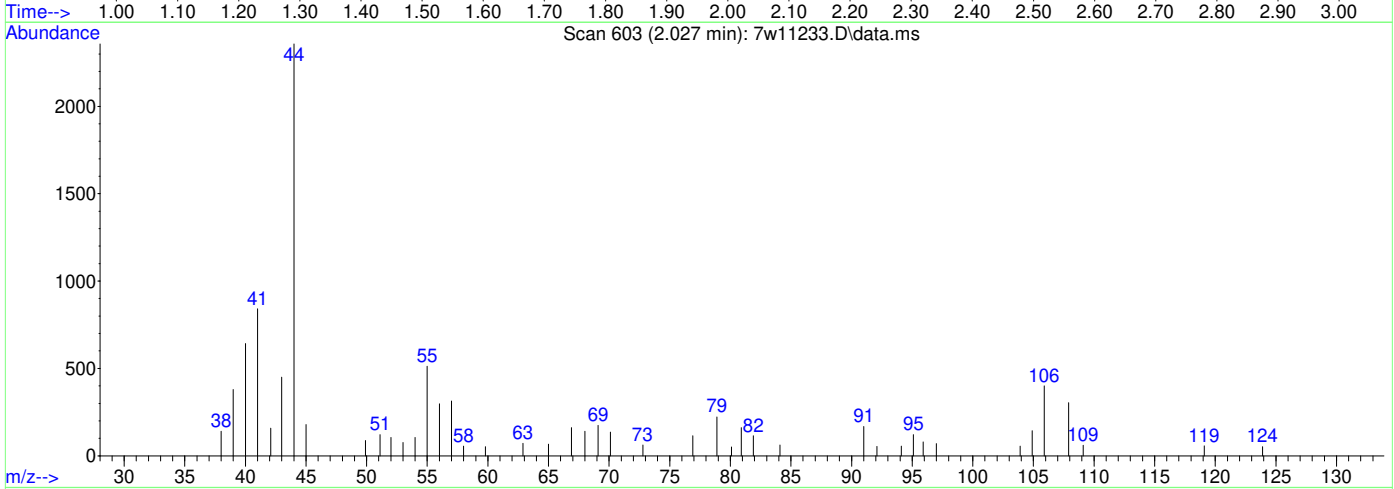
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.07PPBV

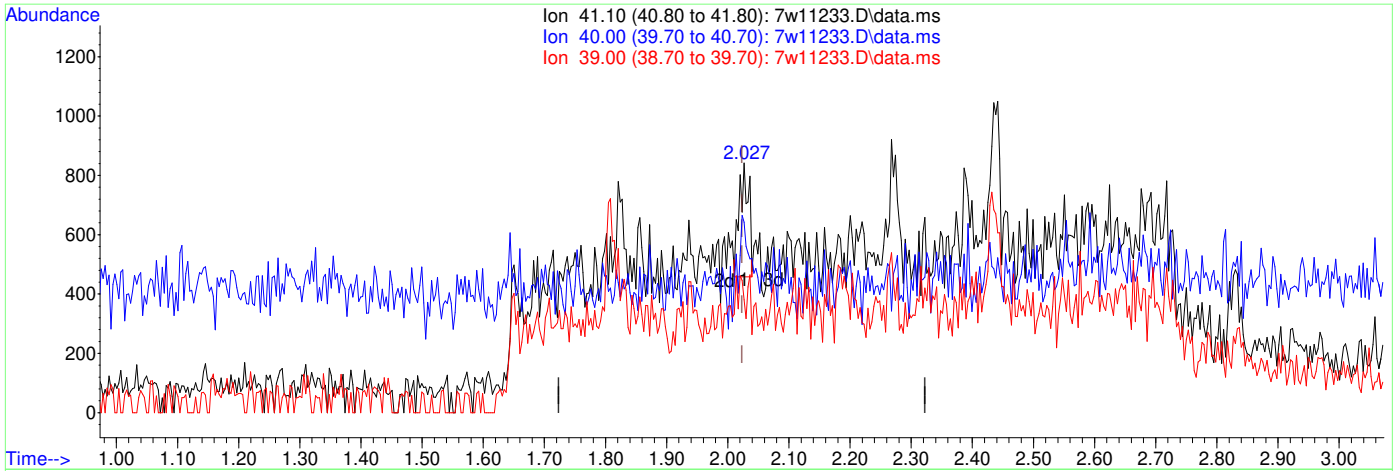
response 727

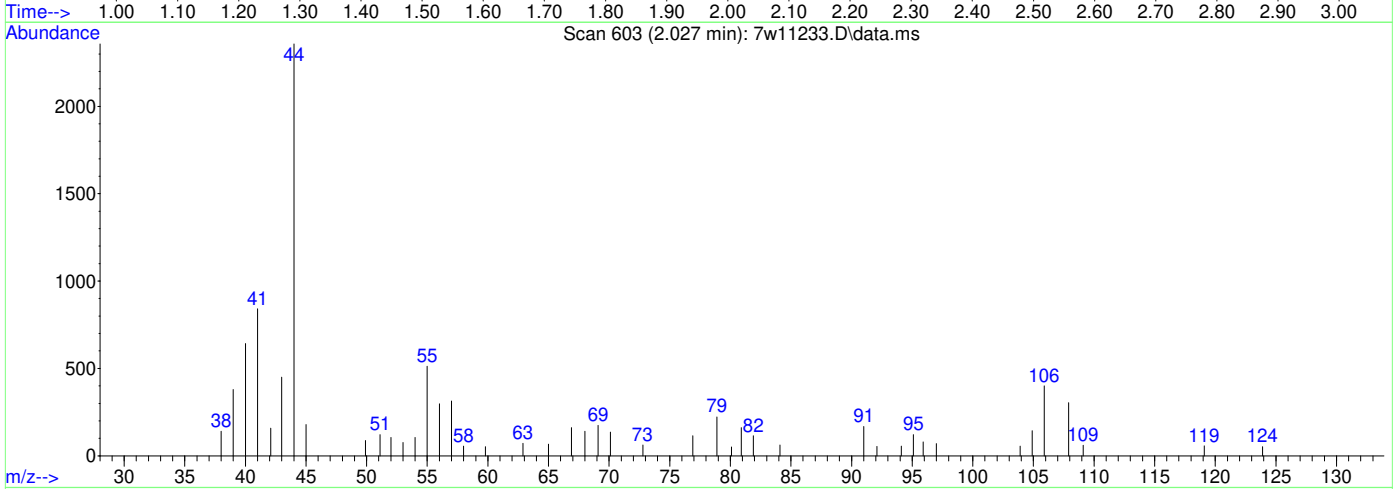
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	57.91
39.00	19.70	37.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.04PPBV m

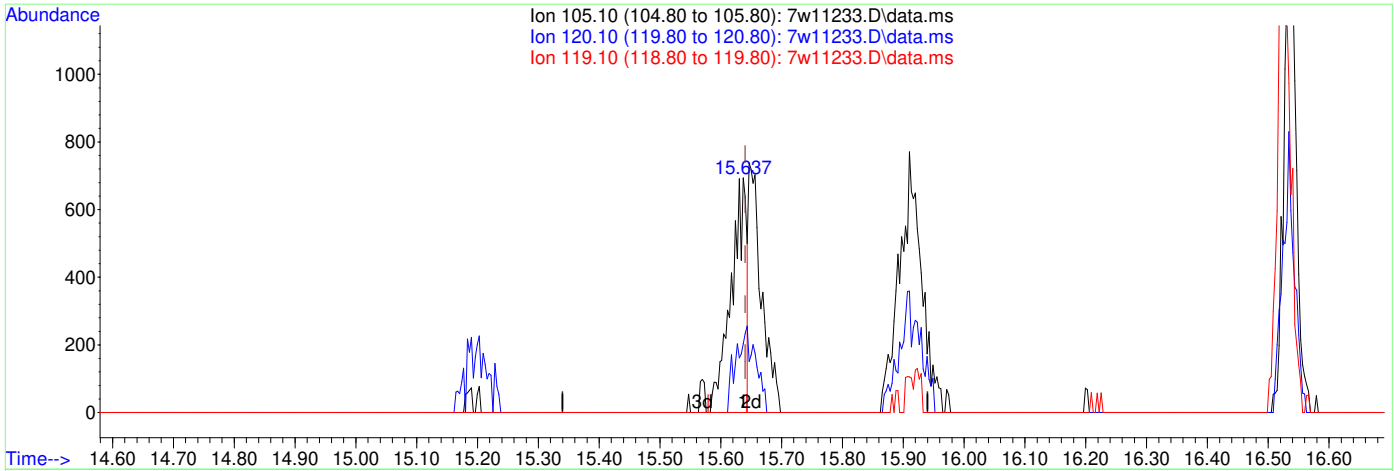
response 415

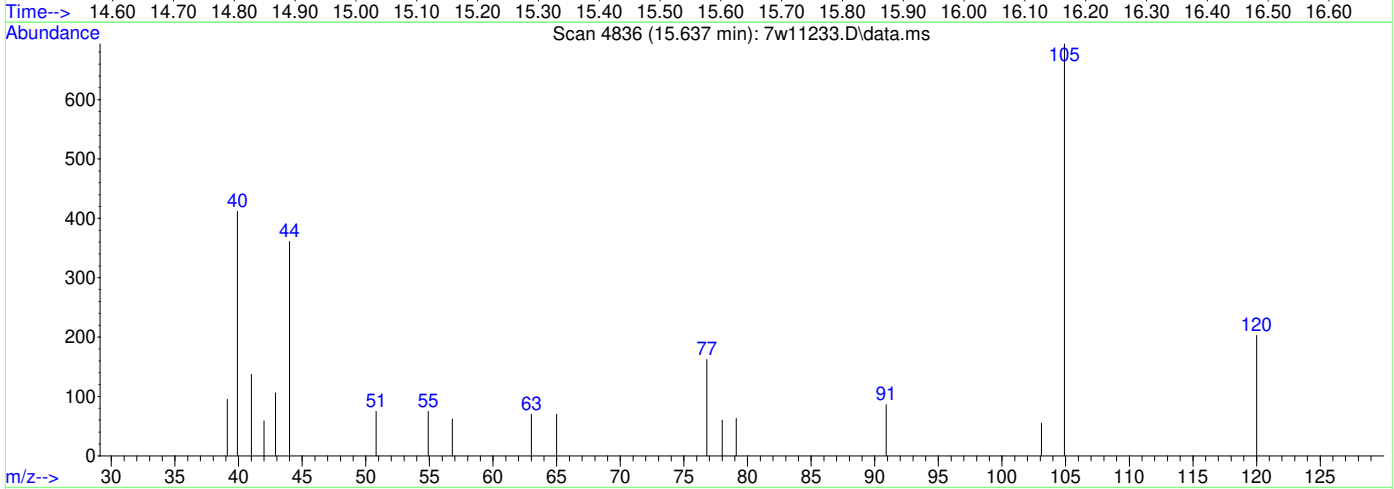
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	101.45#
39.00	19.70	66.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.637min (-0.003) 0.02PPBV

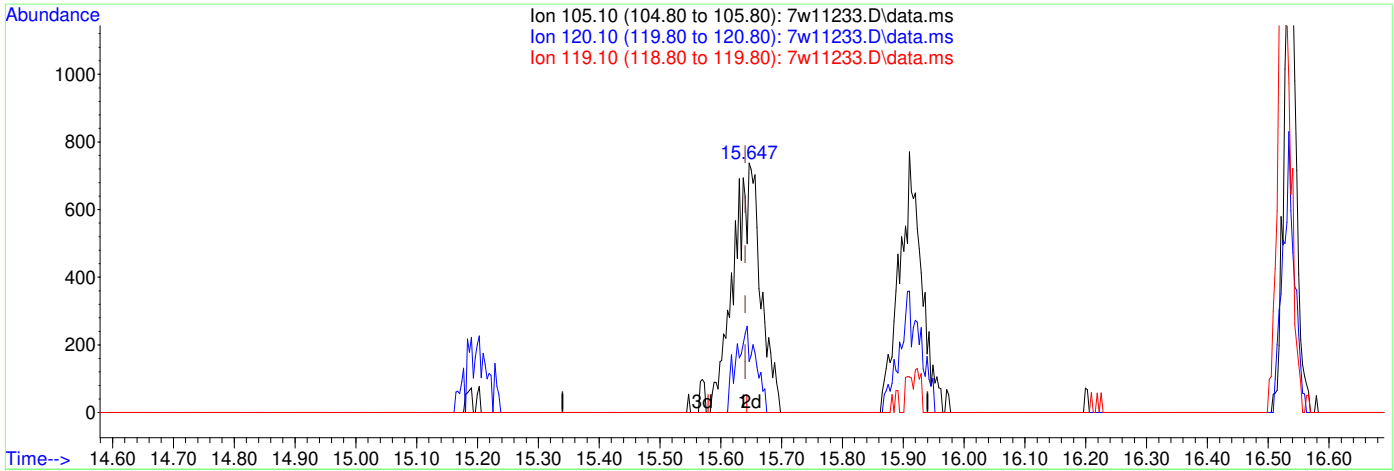
response 1228

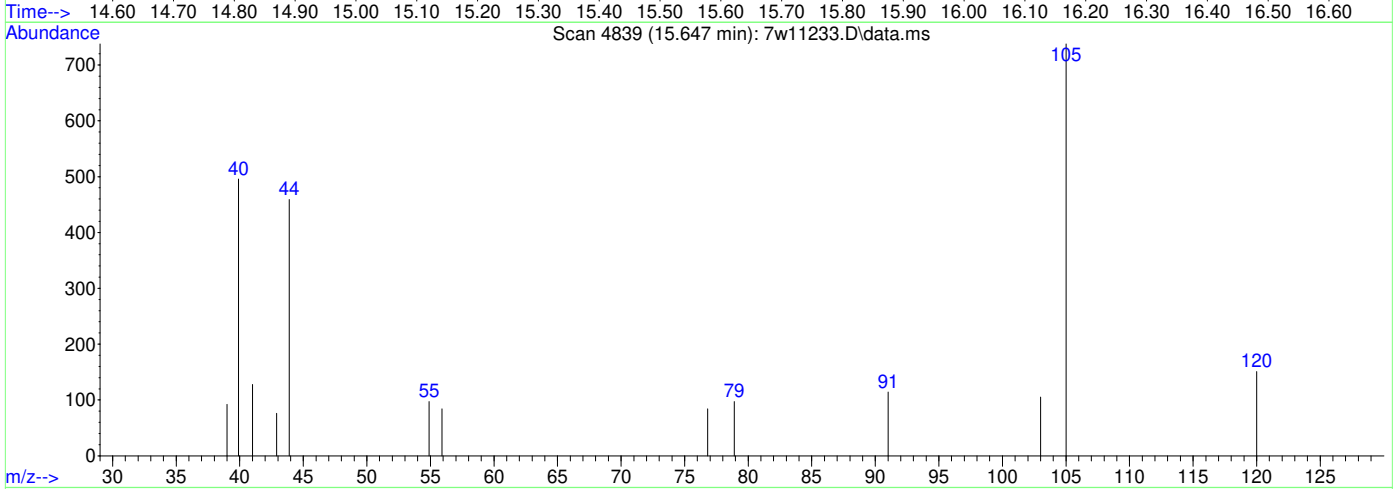
Ion	Exp%	Act%
105.10	100	100
120.10	30.10	45.68#
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.647min (+0.007) 0.03PPBV m

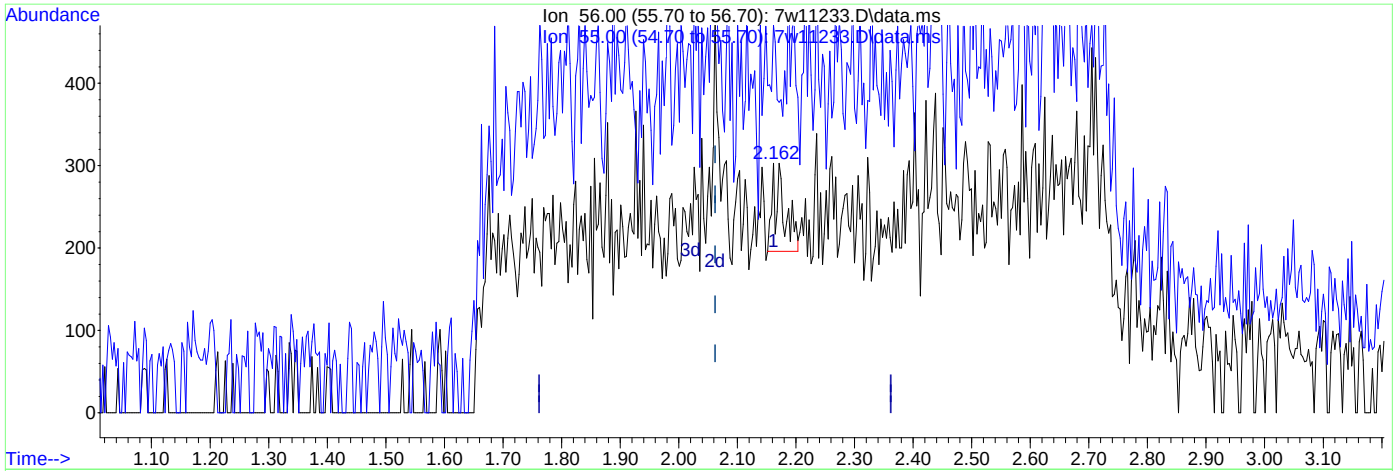
response 2316

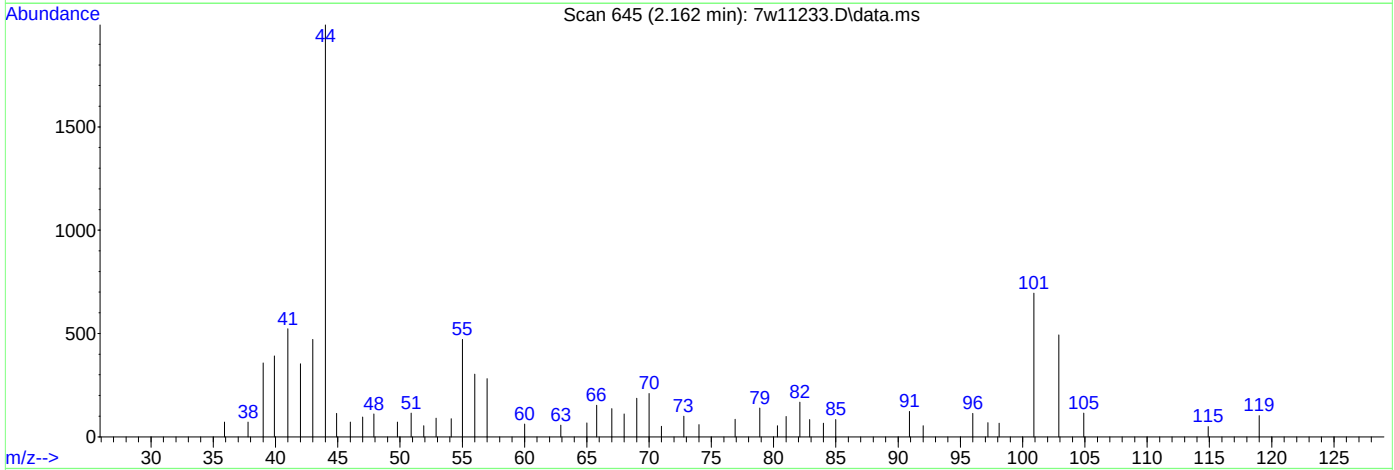
Ion	Exp%	Act%
105.10	100	100
120.10	30.10	24.22
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.162min (+0.100) 0.03PPBV

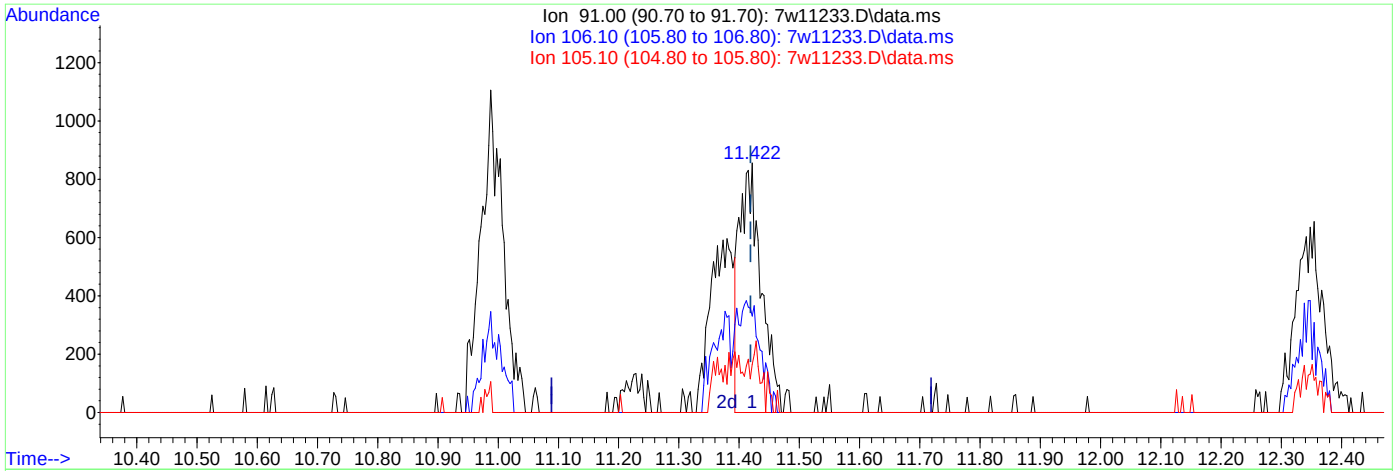
response 143

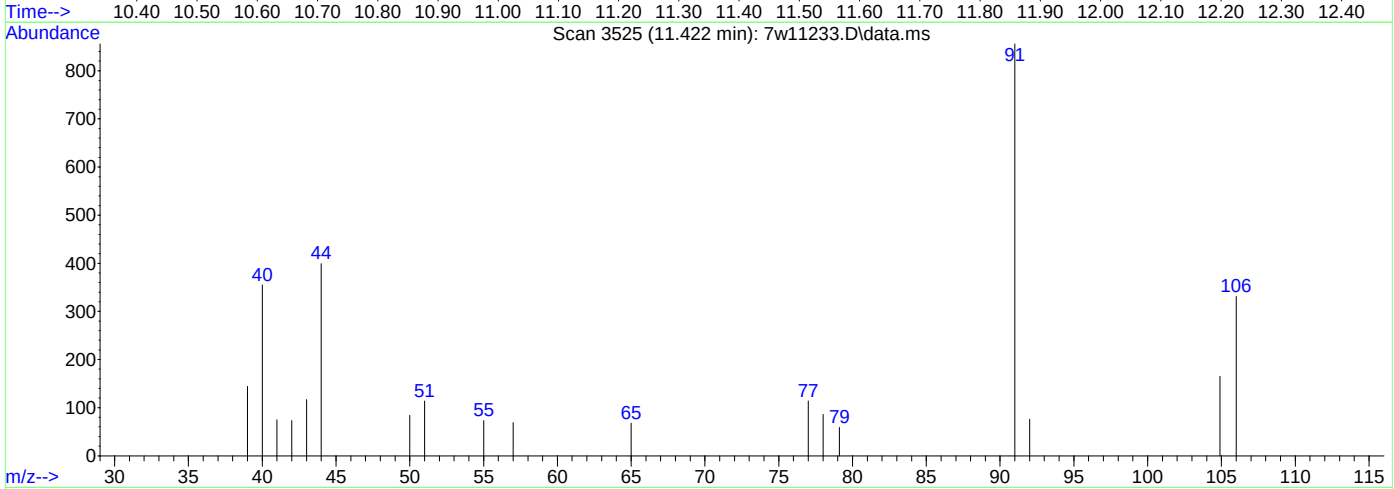
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	65.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.04PPBV

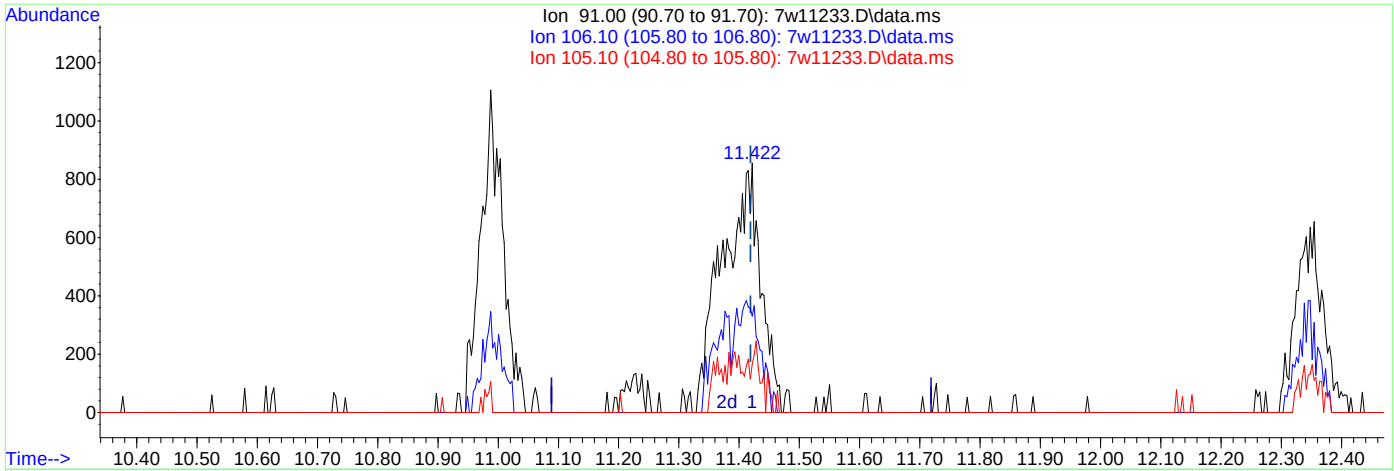
response 2127

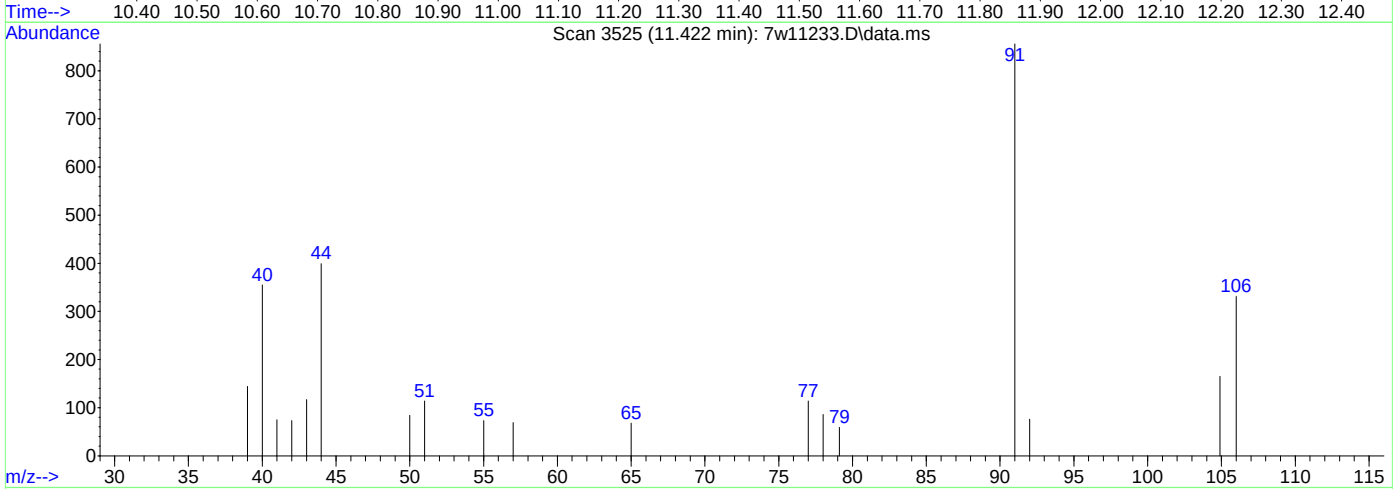
Ion	Exp%	Act%
91.00	100	100
106.10	25.50	50.49
105.10	11.70	12.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.08PPBV m

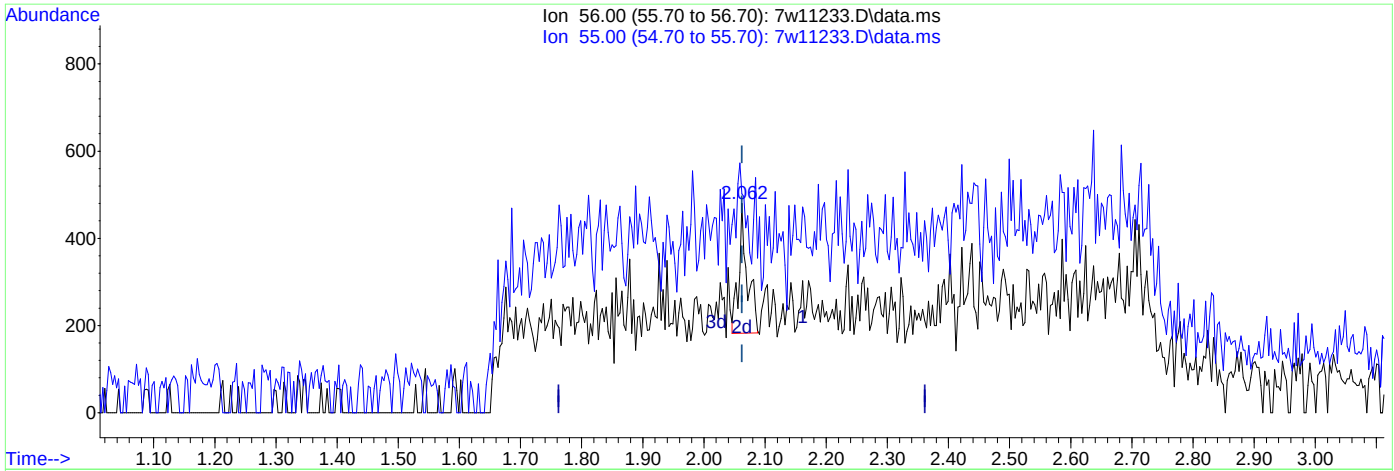
response 3729

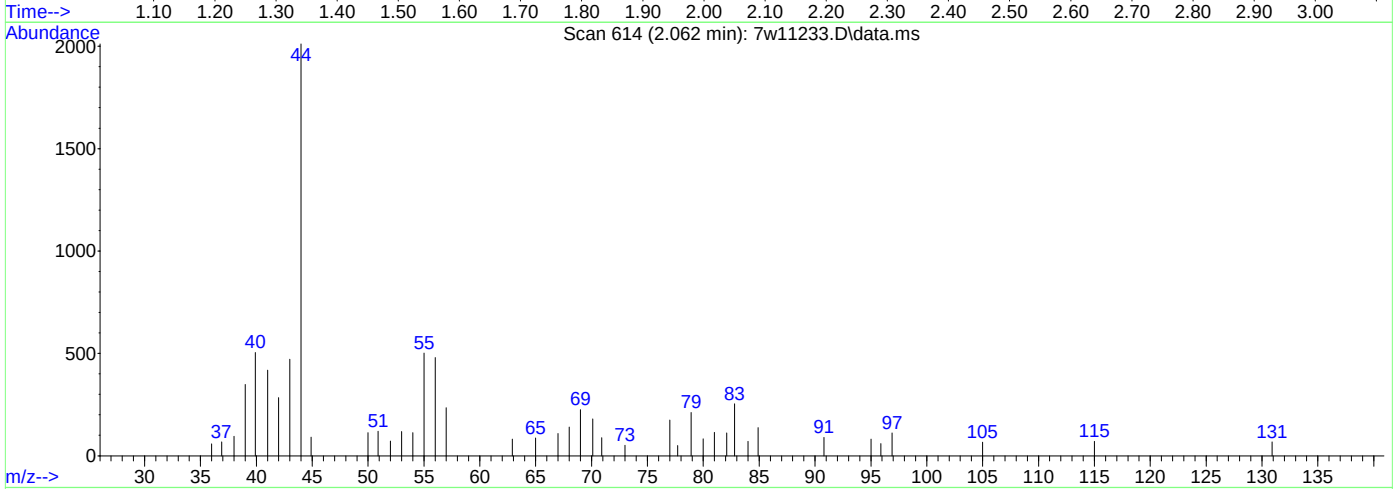
Ion	Exp%	Act%
91.00	100	100
106.10	25.50	28.80
105.10	11.70	7.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:34:06 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.062min (-0.000) 0.05PPBV m

response 289

Ion	Exp%	Act%
56.00	100	100
55.00	71.80	32.18#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.223	128	133584	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.490	114	679369	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.030	117	626077	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.223	128	133584	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	448796	9.85	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	1552	0.14	PPBV		98
3) FREON 152A	1.628	65	700	0.11	PPBV		96
4) CHLORODIFLUOROMETHANE	1.641	67	367	0.11	PPBV	#	66
5) CHLOROTRIFLUOROETHENE	1.651	116	1669	0.11	PPBV		94
6) DICHLORODIFLUOROMETHANE	1.667	85	3743	0.11	PPBV		99
7) PROPYLENE	1.651	41	1091m	0.13	PPBV		
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	2788	0.11	PPBV	#	83
9) FREON 114	1.741	85	3060	0.11	PPBV		98
10) CHLOROMETHANE	1.712	52	455m	0.14	PPBV		
11) VINYL CHLORIDE	1.770	62	1144	0.10	PPBV		95
12) 1,3-BUTADIENE	1.811	54	1147	0.13	PPBV	#	68
13) N-BUTANE	1.827	43	1929m	0.12	PPBV		
14) BROMOMETHANE	1.885	94	1136	0.12	PPBV	#	83
15) CHLOROETHANE	1.930	64	691	0.12	PPBV	#	71
16) DICHLOROFLUOROMETHANE	1.956	67	2693	0.11	PPBV		94
17) ACETONITRILE	2.027	41	1548	0.15	PPBV	#	84
18) ACROLEIN	2.065	56	638m	0.12	PPBV		
19) FREON 123	2.078	83	3192	0.13	PPBV		87
20) FREON 123A	2.091	117	2008	0.13	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.159	101	3264	0.11	PPBV	#	92
22) ISOPROPYL ALCOHOL	2.188	45	3122	0.13	PPBV	#	76
23) ACETONE	2.110	58	1248m	0.19	PPBV		
24) PENTANE	2.271	42	1433m	0.12	PPBV		
25) IODOMETHANE	2.332	142	3029	0.11	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.361	96	1516	0.14	PPBV		79
27) CARBON DISULFIDE	2.493	76	3182	0.11	PPBV	#	63
28) ETHANOL	1.966	45	2393m	0.26	PPBV		
29) BROMOETHENE	2.033	106	1269	0.12	PPBV	#	84
30) ACRYLONITRILE	2.239	52	1573m	0.18	PPBV		
31) METHYLENE CHLORIDE	2.393	84	2203	0.21	PPBV		90
32) 3-CHLOROPROPENE	2.438	76	654	0.12	PPBV	#	87
33) FREON 113	2.490	151	1957	0.11	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.718	96	1459	0.13	PPBV		86
35) TERTIARY BUTYL ALCOHOL	2.397	59	3058	0.11	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	2.831	73	3948	0.11	PPBV	#	70
37) TETRAHYDROFURAN	3.538	72	560	0.10	PPBV	#	65
38) HEXANE	3.271	57	2759	0.13	PPBV		96
39) VINYL ACETATE	2.863	86	397	0.12	PPBV	#	83
40) 1,1-DICHLOROETHANE	2.789	63	2465	0.11	PPBV	#	86
41) METHYL ETHYL KETONE	2.966	72	741	0.12	PPBV	#	92
42) CIS-1,2-DICHLOROETHENE	3.146	96	1475	0.12	PPBV		91
43) DIISOPROPYL ETHER	3.287	59	769	0.13	PPBV		81
44) ETHYL ACETATE	3.297	61	485	0.11	PPBV		95
45) METHYL ACRYLATE	3.278	55	2955	0.12	PPBV	#	99
46) CHLOROFORM	3.297	83	2743	0.11	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.782	57	2893	0.12	PPBV		93
48) 1,1,1-TRICHLOROETHANE	3.863	97	2969	0.11	PPBV		97
49) CARBON TETRACHLORIDE	4.278	117	2520	0.09	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.699	62	2071	0.11	PPBV		96
51) BENZENE	4.175	78	4275	0.12	PPBV		97
53) CYCLOHEXANE	4.377	84	1762	0.11	PPBV	#	73
54) 2,3-DIMETHYLPENTANE	4.628	71	937	0.11	PPBV		75
55) TRICHLOROETHENE	5.059	95	1922	0.11	PPBV		93
56) 1,2-DICHLOROPROPANE	4.827	63	1621	0.11	PPBV		97
57) DIBROMOMETHANE	4.782	174	1996	0.13	PPBV		95
58) ETHYL ACRYLATE	4.959	55	3251	0.10	PPBV	#	88
59) BROMODICHLOROMETHANE	5.004	83	2919	0.10	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.159	57	7579	0.12	PPBV		94
61) 1,4-DIOXANE	5.175	88	1055m	0.10	PPBV		
62) HEPTANE	5.464	43	2843	0.12	PPBV		92
63) METHYL METHACRYLATE	5.371	69	1757	0.12	PPBV		96
64) METHYL ISOBUTYL KETONE	6.130	58	1493	0.11	PPBV		81
65) CIS-1,3-DICHLOROPROPENE	5.988	75	2419	0.10	PPBV		81
66) TOLUENE	7.181	91	5488	0.12	PPBV		100
67) 1,3-DICHLOROPROPANE	7.242	76	2335	0.10	PPBV		94
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	2255	0.10	PPBV	#	73
69) 1,1,2-TRICHLOROETHANE	6.818	83	1420	0.11	PPBV		98
70) 2-HEXANONE	7.802	58	2003	0.09	PPBV		97
71) ETHYL METHACRYLATE	7.901	69	2835	0.11	PPBV		93
72) TETRACHLOROETHENE	8.914	164	2049	0.11	PPBV		96
73) DIBROMOCHLOROMETHANE	7.724	129	2795	0.10	PPBV		98
74) 1,2-DIBROMOETHANE	8.046	107	2657	0.11	PPBV	#	100
75) OCTANE	9.056	43	3709	0.11	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	10.113	131	2293	0.11	PPBV		99
78) CHLOROBENZENE	10.100	112	3912	0.10	PPBV		94
79) ETHYLBENZENE	10.991	91	7070	0.12	PPBV		99
80) M,P-XYLENE	11.377	91	11272	0.23	PPBV		99
81) O-XYLENE	12.335	91	5714	0.12	PPBV		86
82) STYRENE	12.133	104	3697	0.10	PPBV		97
83) NONANE	13.457	43	3560	0.11	PPBV		93
84) BROMOFORM	11.226	173	2476	0.10	PPBV	#	92
85) 1,1,2,2-TETRACHLOROETHANE	12.354	83	3566	0.11	PPBV		94
86) 1,2,3-TRICHLOROPROPANE	12.650	75	2613	0.10	PPBV	#	99
88) ISOPROPYLBENZENE	13.853	120	1951	0.10	PPBV	#	75
89) BROMOBENZENE	13.724	77	3729	0.11	PPBV		94
90) 2-CHLOROTOLUENE	14.849	126	1777	0.10	PPBV		96
91) N-PROPYLBENZENE	15.200	120	1935	0.10	PPBV	#	79
92) 4-ETHYLTOLUENE	15.637	105	7213	0.10	PPBV	#	98
93) 1,3,5-TRIMETHYLBENZENE	15.911	105	6007	0.10	PPBV		95
94) ALPHA-METHYLSTYRENE	16.216	118	2749	0.09	PPBV		95
95) TERT-BUTYLBENZENE	16.528	134	1442	0.10	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.531	105	6050	0.10	PPBV		99
97) BENZYL CHLORIDE	16.624	91	4378	0.08	PPBV		98
98) M-DICHLOROBENZENE	16.599	146	3860	0.09	PPBV		98
99) P-DICHLOROBENZENE	16.689	146	4056	0.10	PPBV		98
100) O-DICHLOROBENZENE	17.010	146	3850	0.10	PPBV		97
101) SEC-BUTYLBENZENE	16.840	134	1712	0.10	PPBV		85
102) 1,2,3-TRIMETHYLBENZENE	16.956	105	5886	0.10	PPBV		98
103) P-ISOPROPYLTOLUENE	17.033	134	1960	0.10	PPBV		100
104) N-BUTYLBENZENE	17.393	134	1820	0.09	PPBV		93
105) HEXACHLOROETHANE	17.573	117	2186	0.09	PPBV		96
106) HEXACHLOROBUTADIENE	18.631	225	2717	0.10	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	18.322	180	2419	0.07	PPBV		96
108) NAPHTHALENE	18.370	128	5107	0.07	PPBV		97
110) TVHC as equiv Pentane	2.271	TIC	6736m	0.12	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

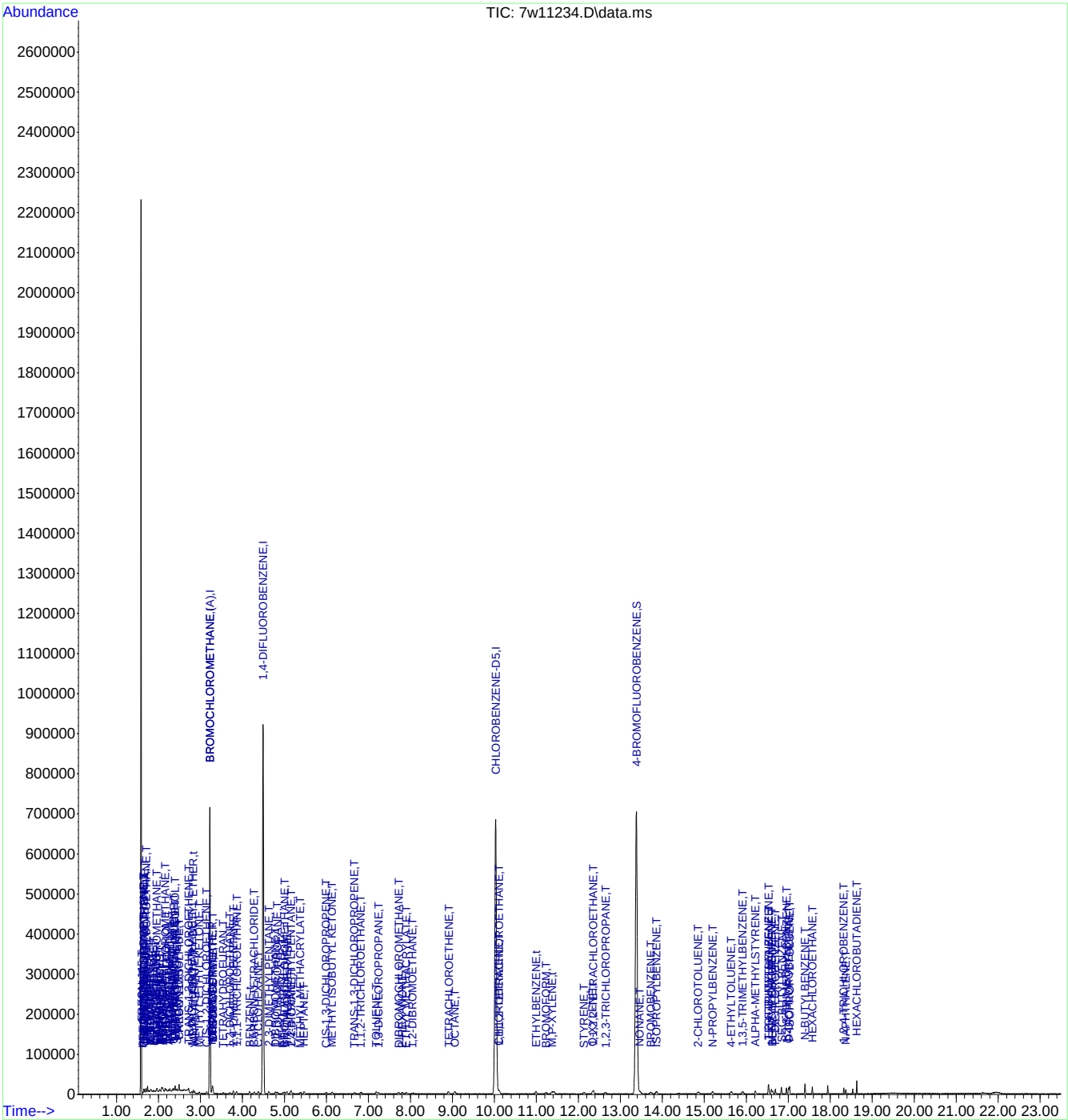
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration



Manual Integration Approval Summary

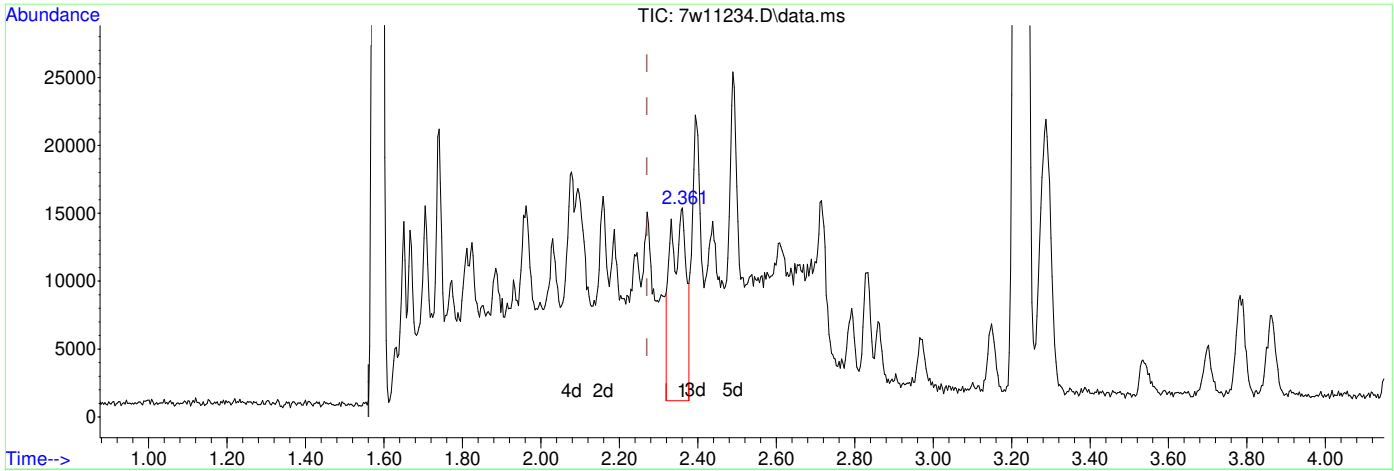
Sample Number: V7W405-IC405
Lab FileID: 7W11234.D
Injection Time: 12/28/24 09:53
Method: TO-15
Analyst approved: 12/30/24 00:11 Kanya Veerawat
Supervisor approved: 12/30/24 00:15 Kanya Veerawat

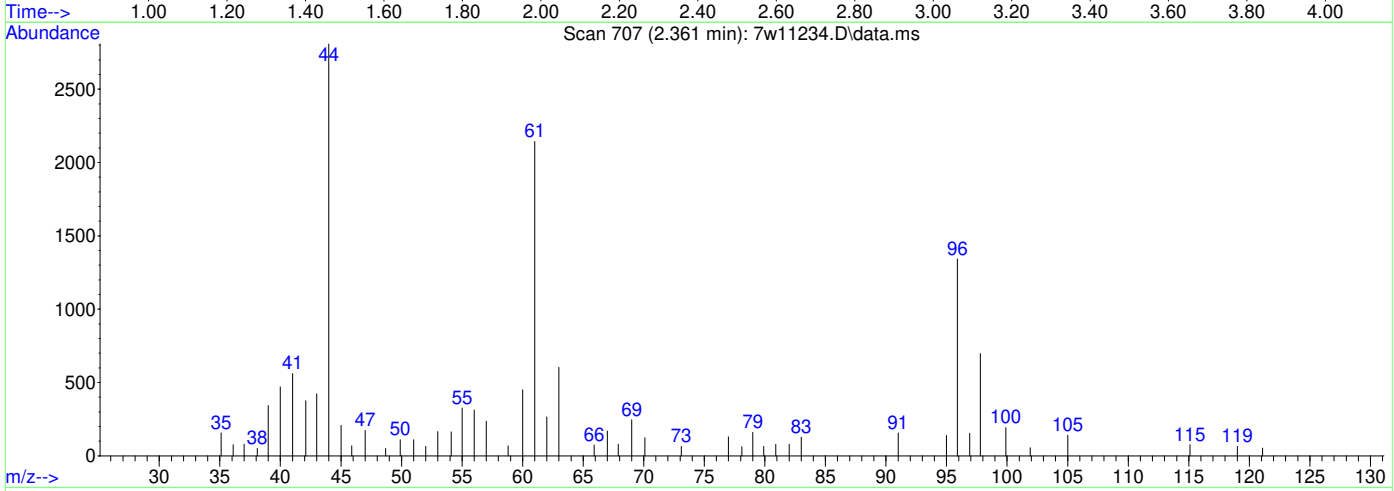
Parameter	CAS	Sig#	R.T. (min.)	Reason
Propylene	115-07-1		1.65	Missed peak
Chloromethane	74-87-3		1.71	Poor instrument integration
n-Butane	106-97-8		1.83	Poor instrument integration
Ethanol	64-17-5		1.97	Poor instrument integration
Acrolein	107-02-8		2.07	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.11	Poor instrument integration
Acrylonitrile	107-13-1		2.24	Poor instrument integration
Pentane	109-66-0		2.27	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
1,4-Dioxane	123-91-1		5.17	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.361min (+0.090) 0.68PPBV

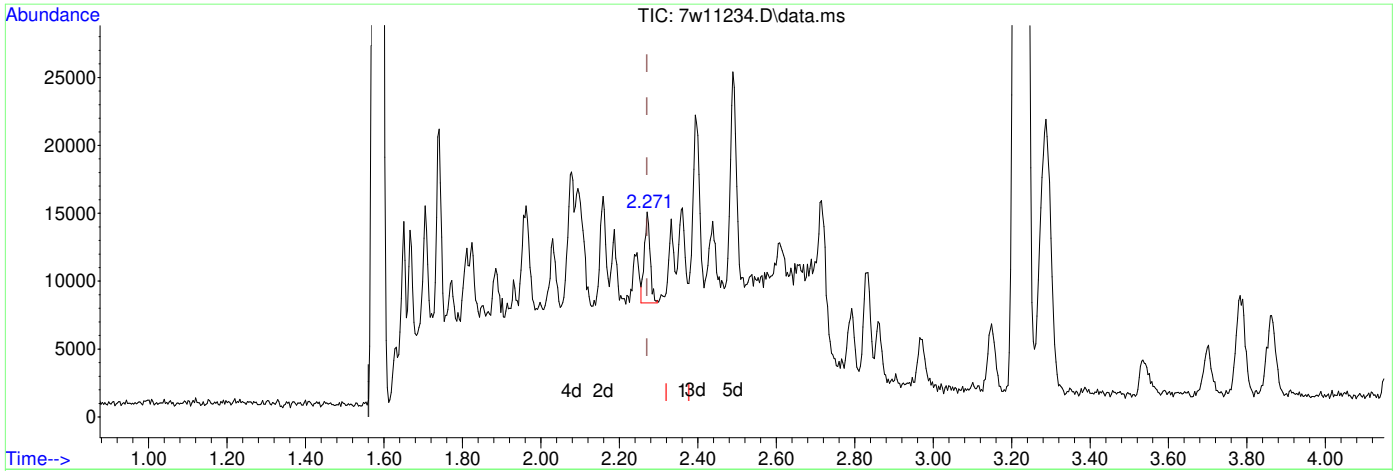
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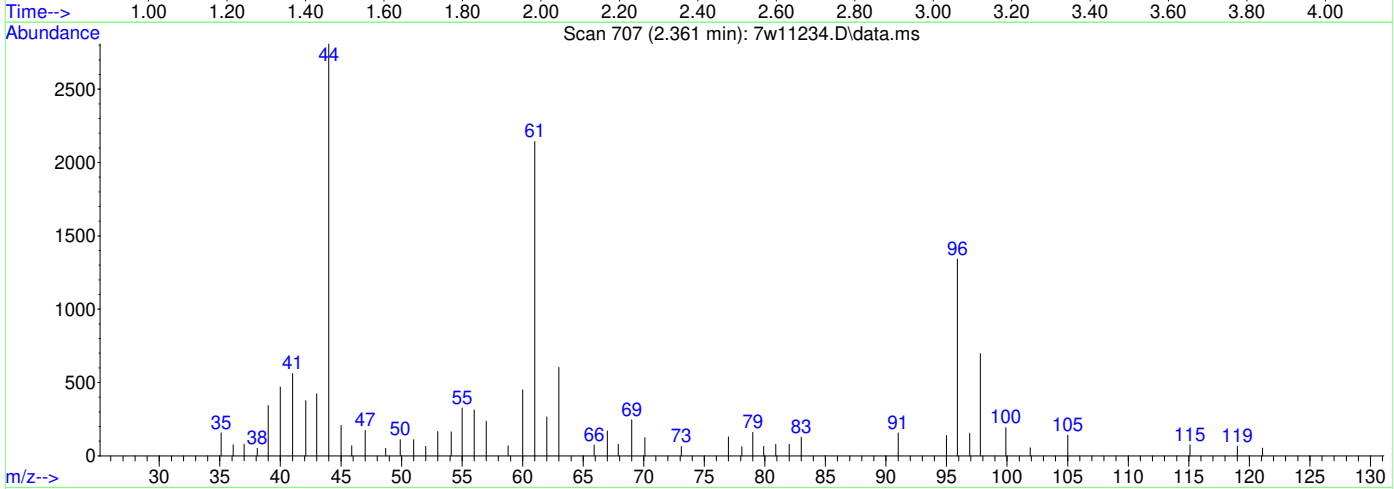
Signal	Exp%	Act%
TIC	100	100
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0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.12PPBV m

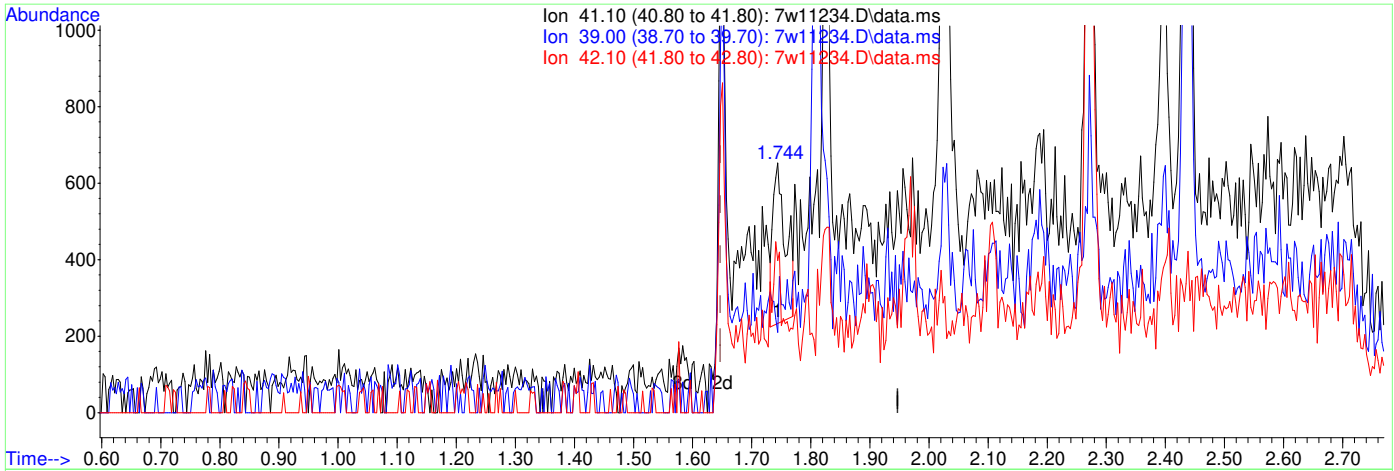
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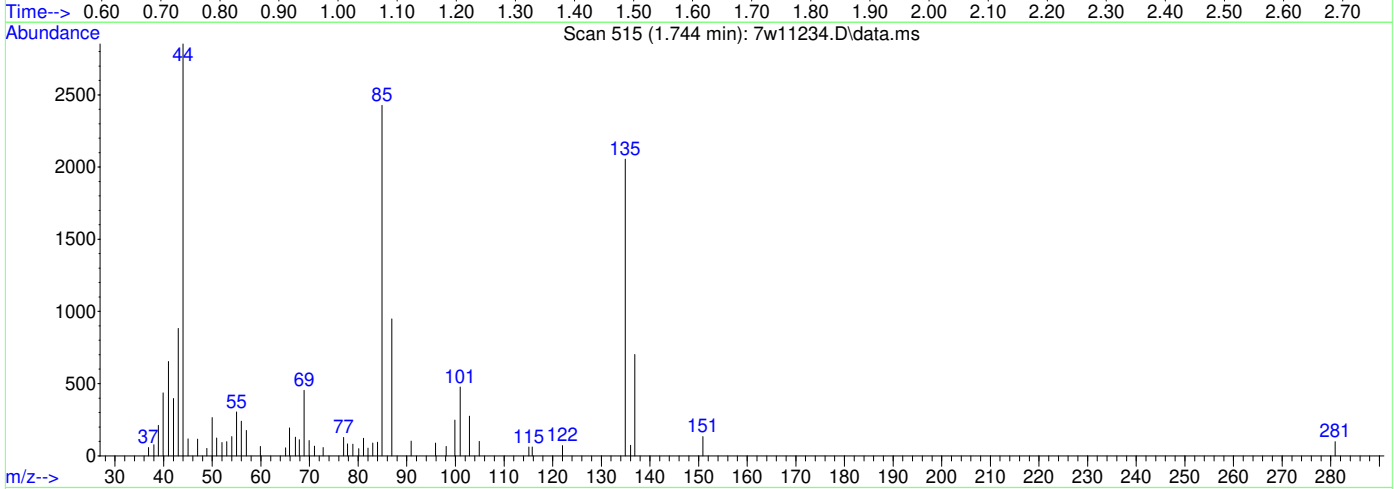
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.744min (+0.097) 0.08PPBV

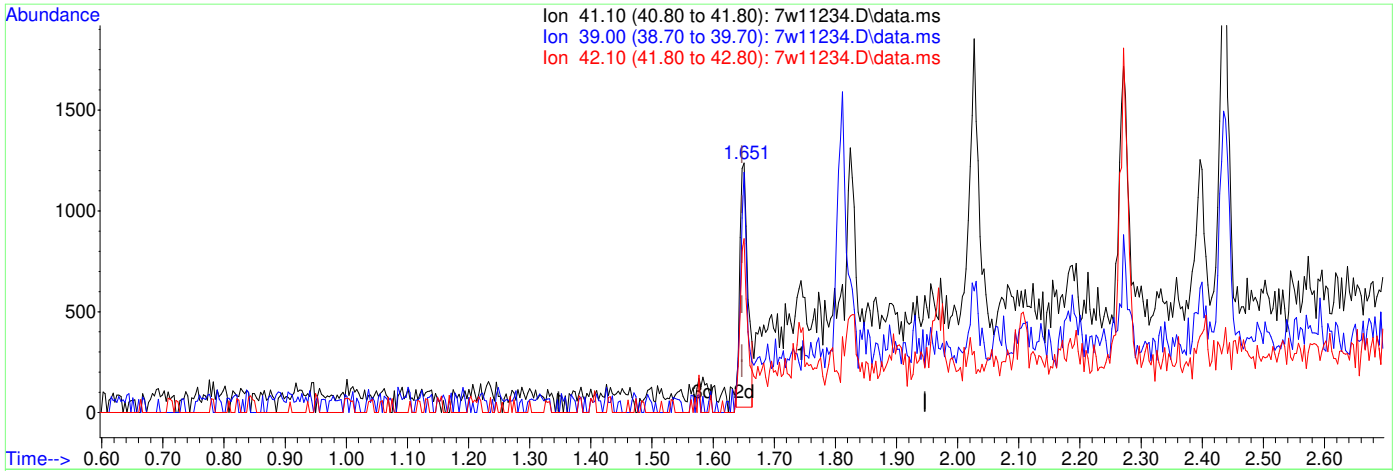
response 624

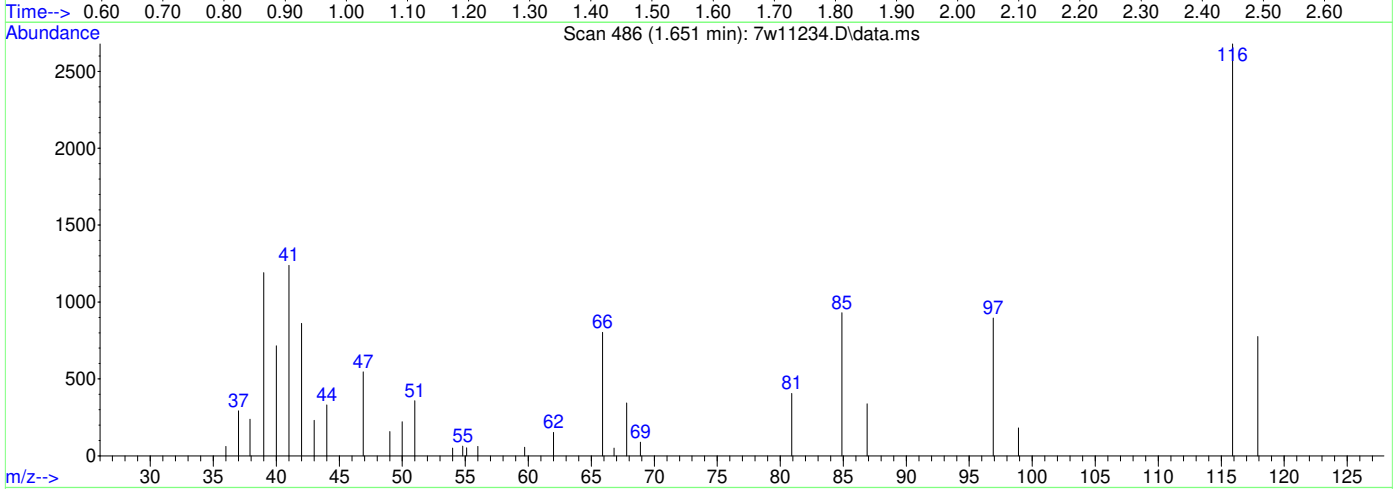
Ion	Exp%	Act%
41.10	100	100
39.00	75.60	60.74
42.10	66.60	82.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.651min (+0.004) 0.13PPBV m

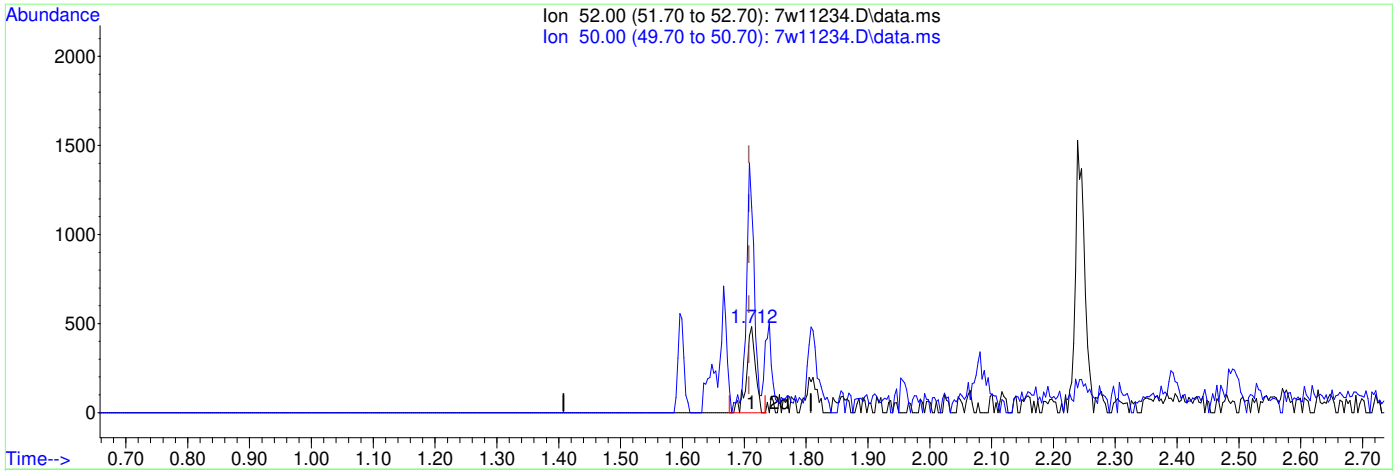
response 1091

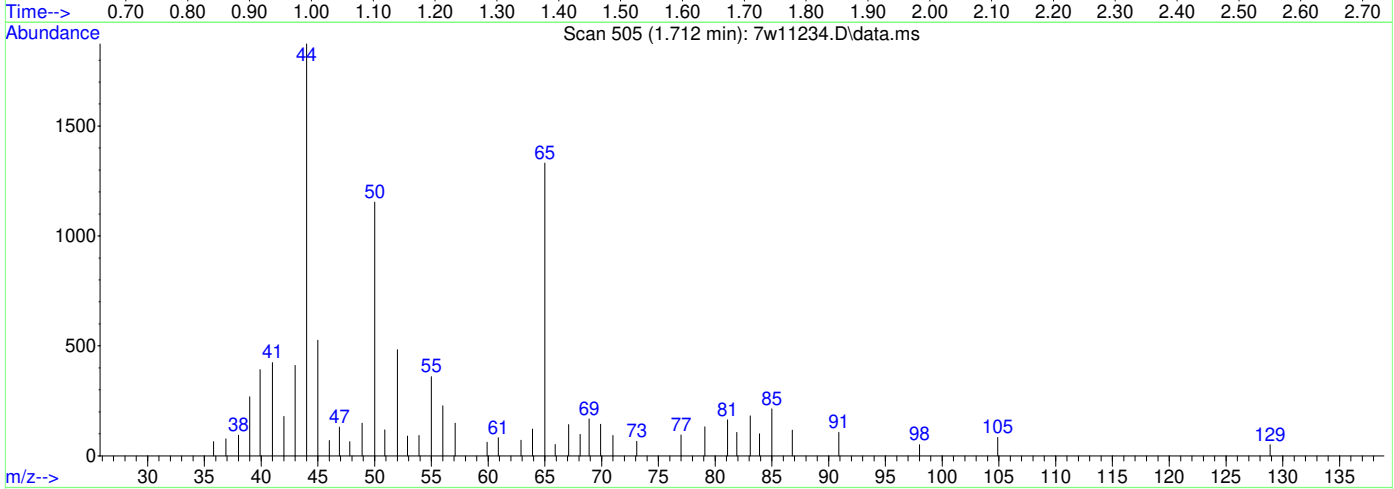
Ion	Exp%	Act%
41.10	100	100
39.00	75.60	34.74#
42.10	66.60	47.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.15PPBV

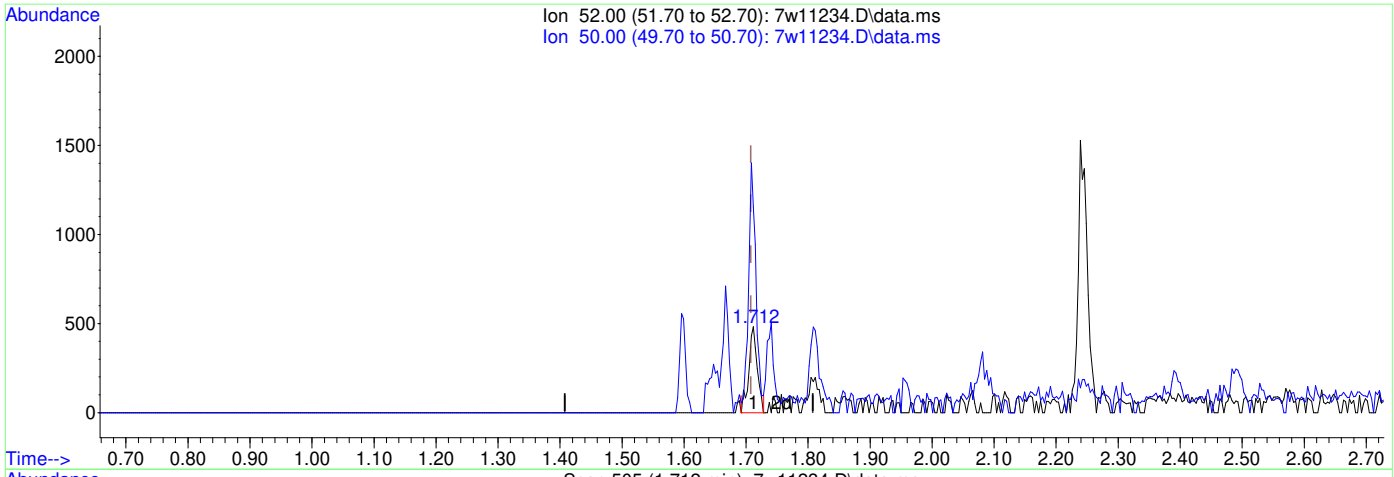
response 478

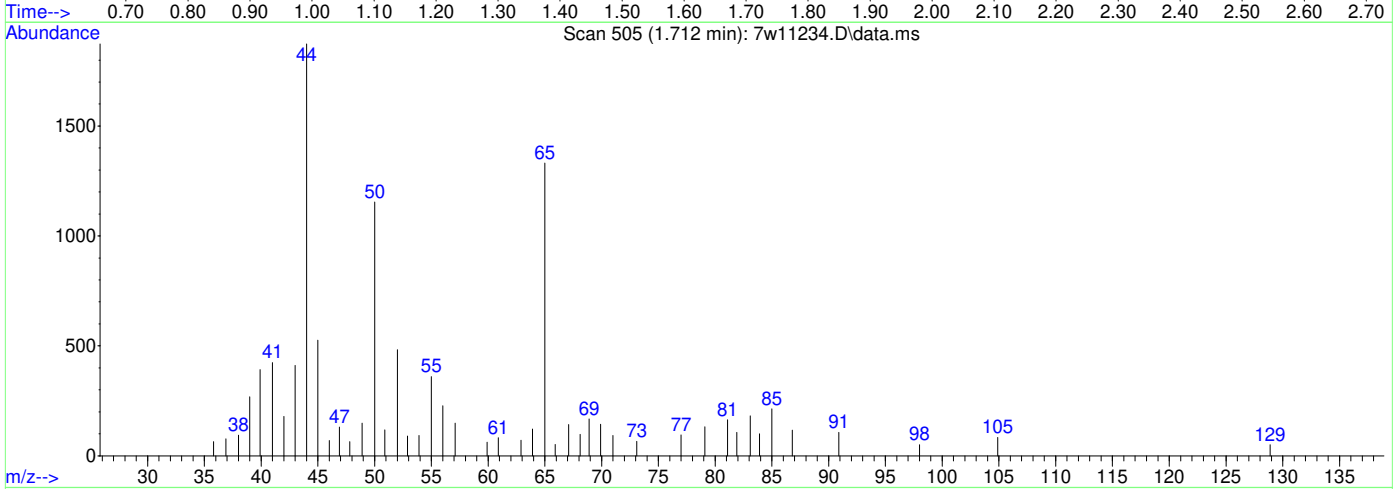
Ion	Exp%	Act%
52.00	100	100
50.00	314.50	235.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.14PPBV m

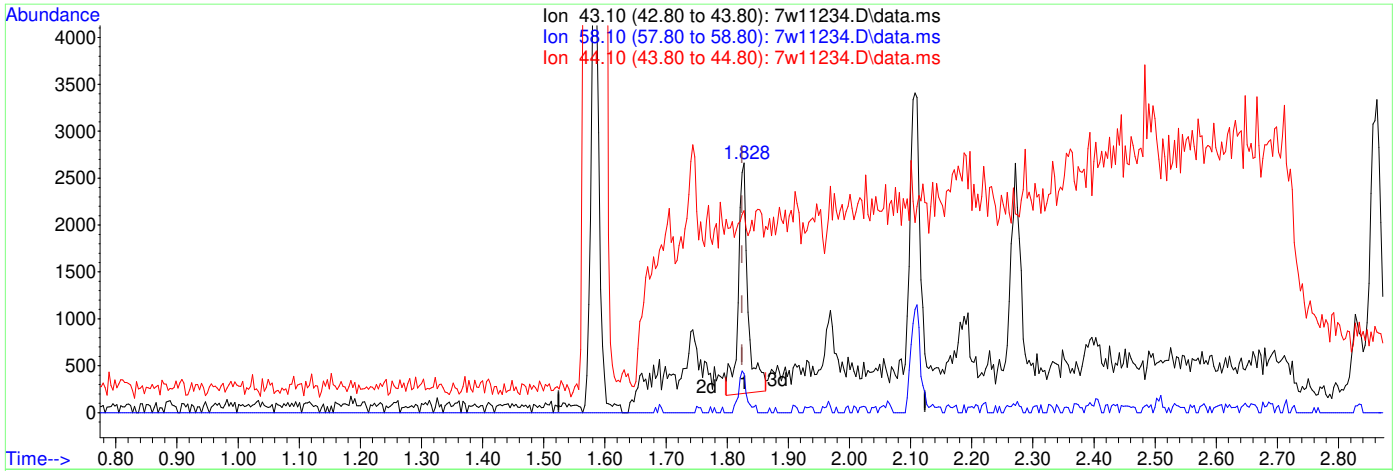
response 455

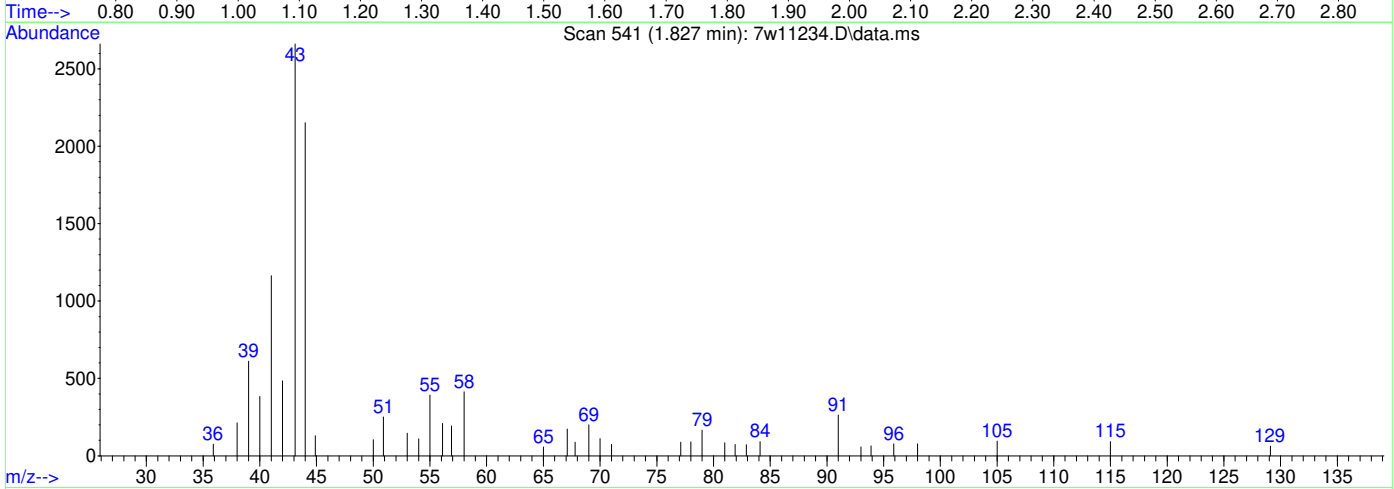
Ion	Exp%	Act%
52.00	100	100
50.00	314.50	247.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.16PPBV

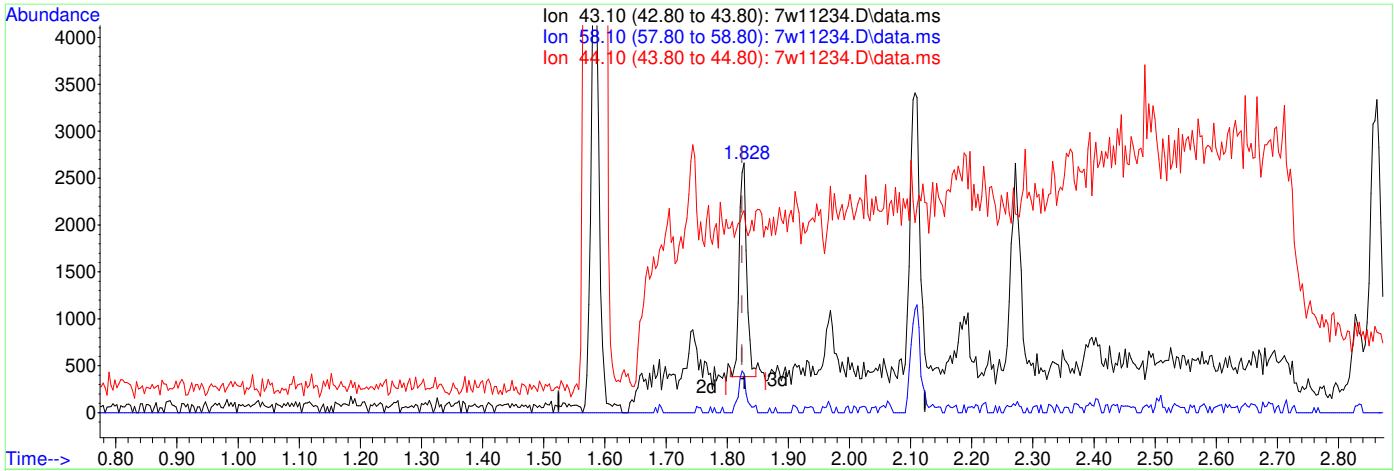
response 2700

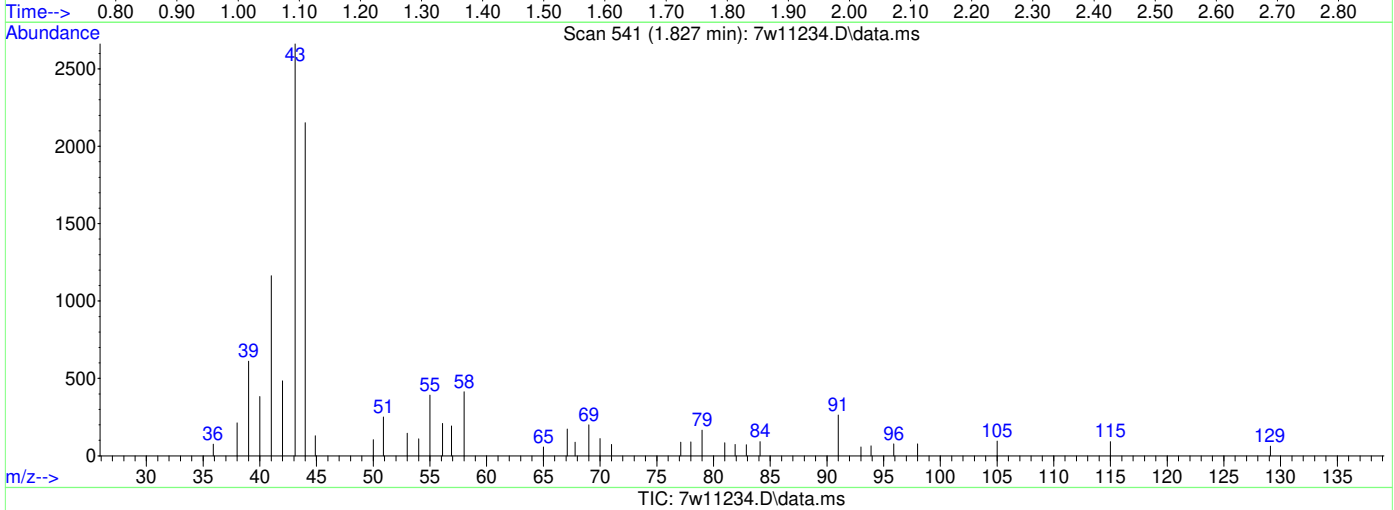
Ion	Exp%	Act%
43.10	100	100
58.10	14.80	15.67
44.10	4.30	58.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.12PPBV m

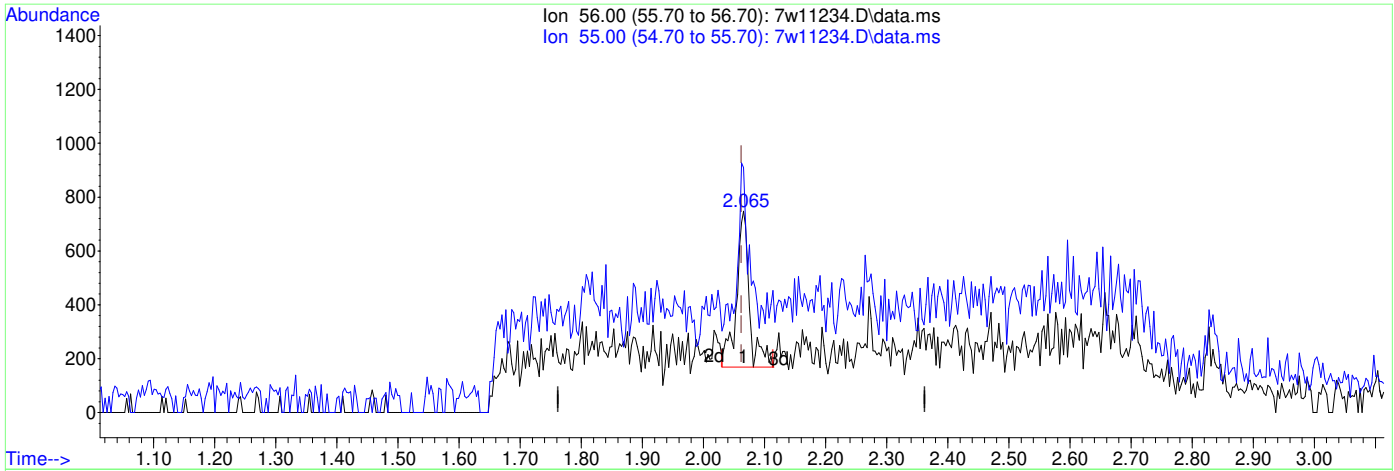
response 1929

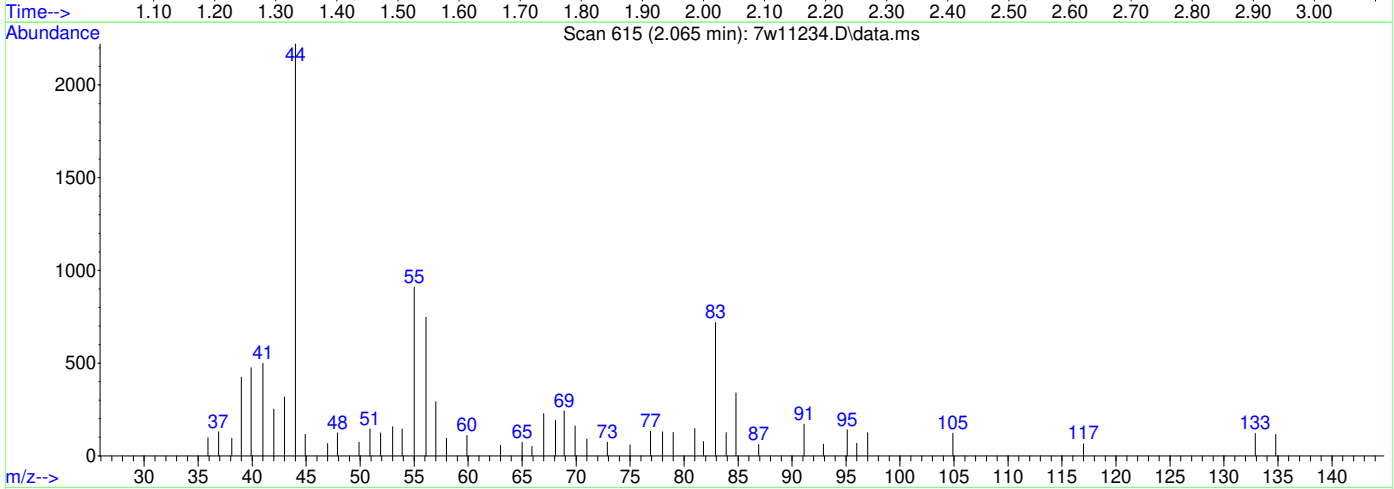
Ion	Exp%	Act%
43.10	100	100
58.10	14.80	21.93#
44.10	4.30	81.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.16PPBV

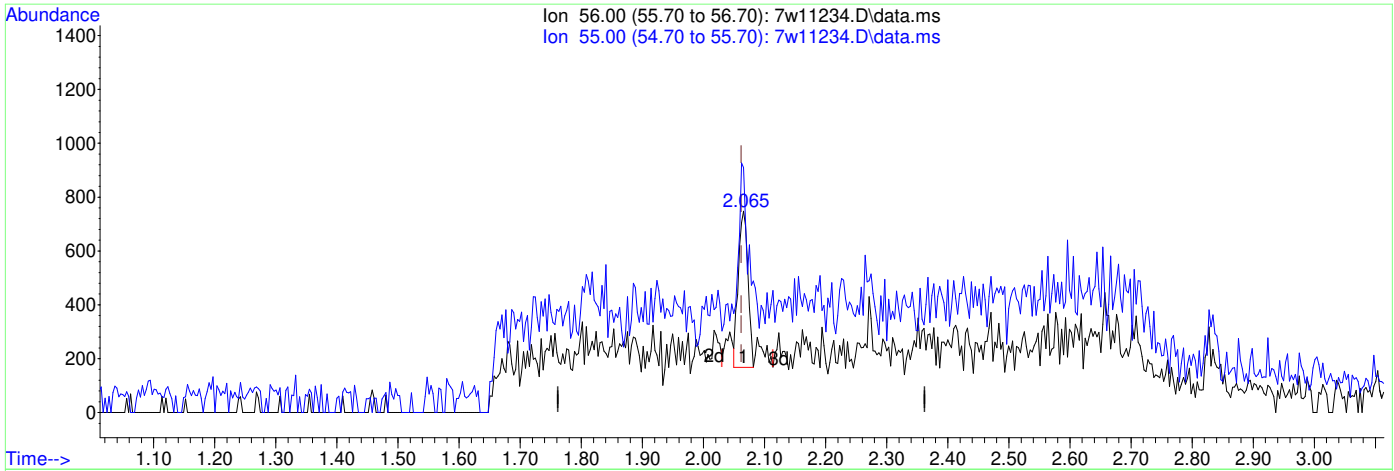
response 850

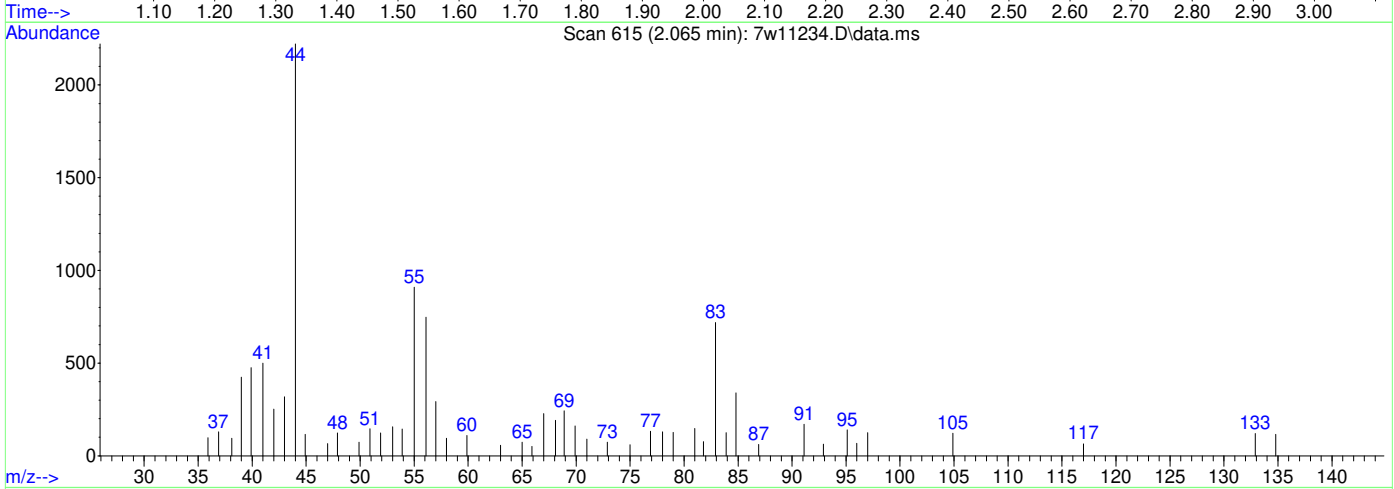
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	99.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.12PPBV m

response 638

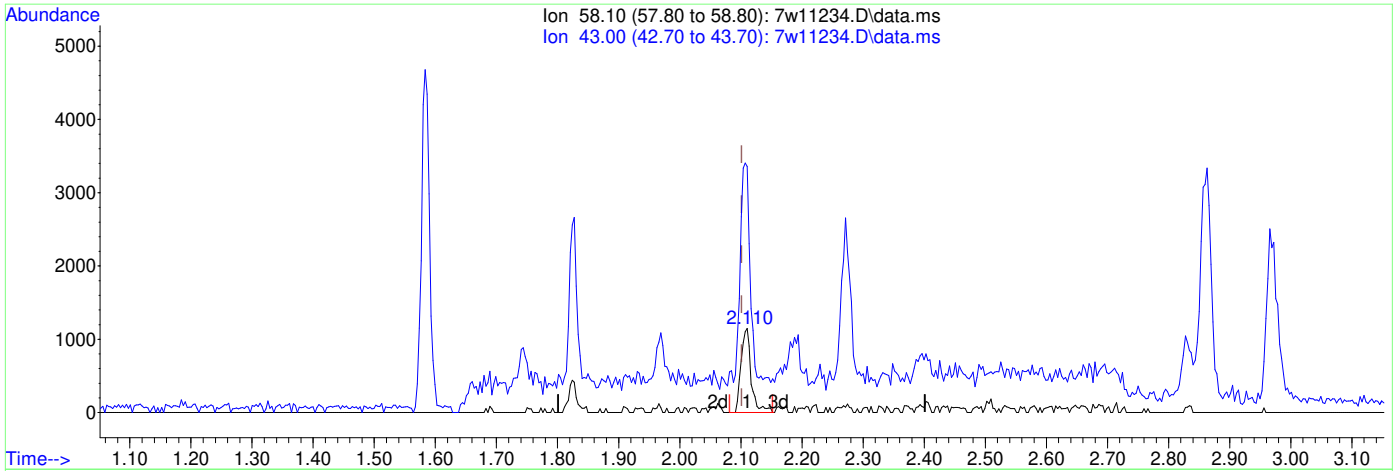
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	132.92#
0.00	0.00	0.00
0.00	0.00	0.00

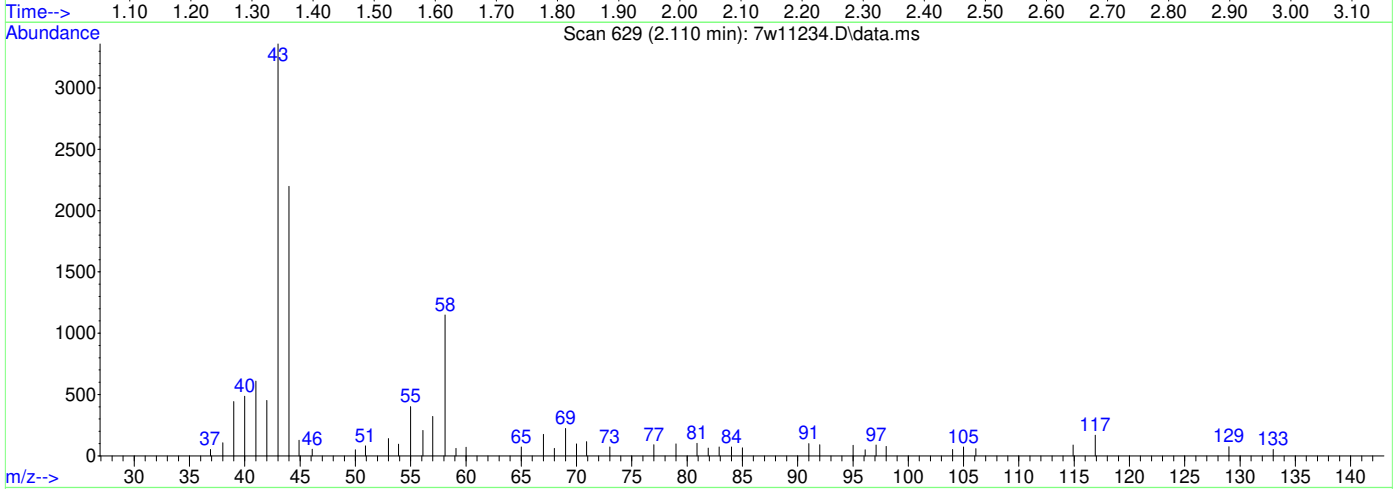
7W11234.D edits: ACROLEIN

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.20PPBV

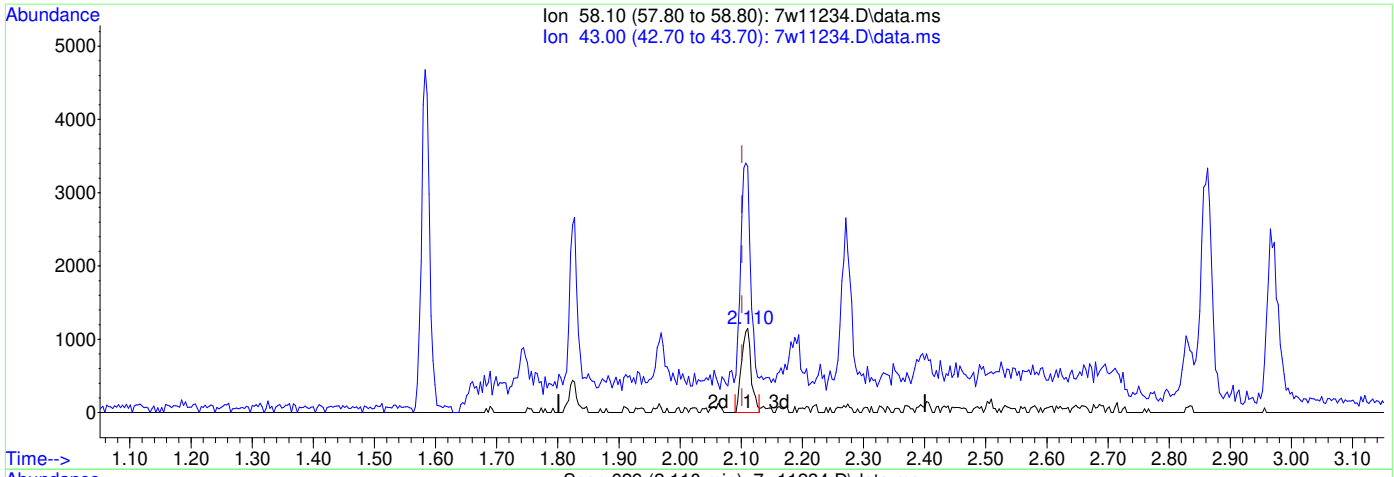
response 1323

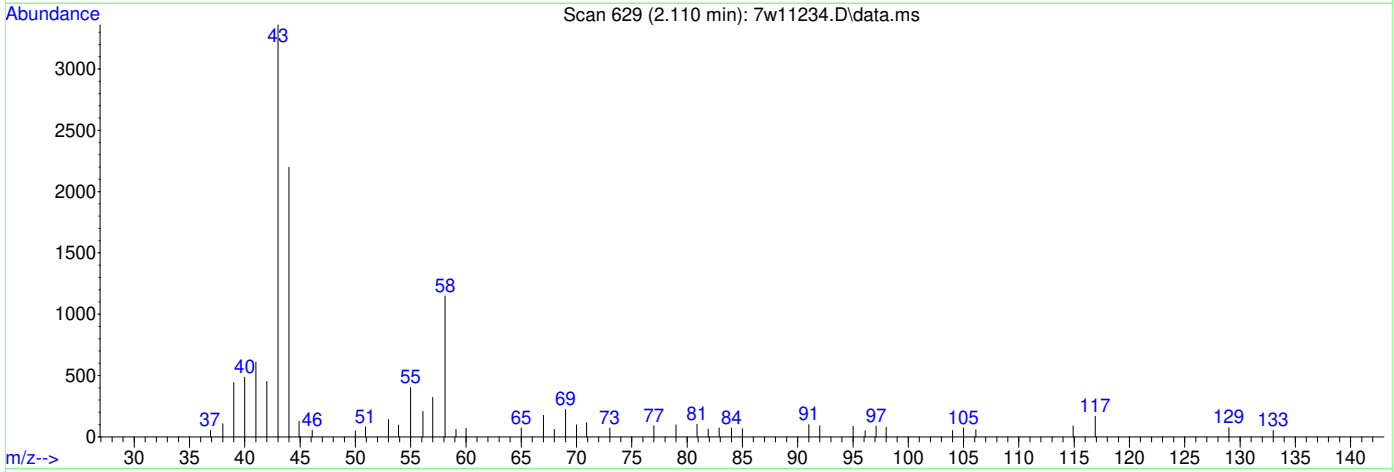
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	261.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.19PPBV m

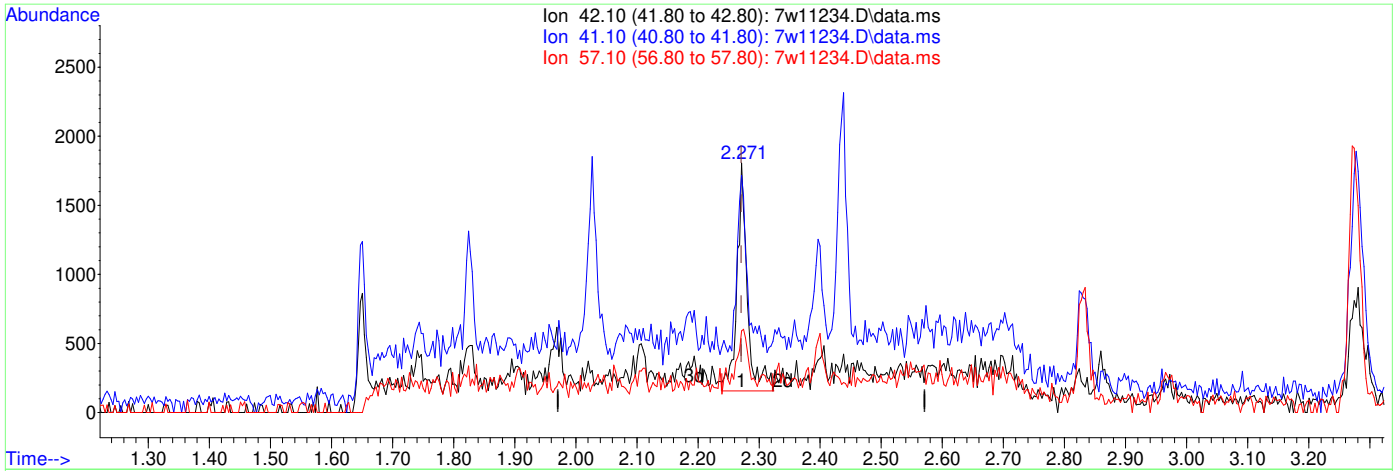
response 1248

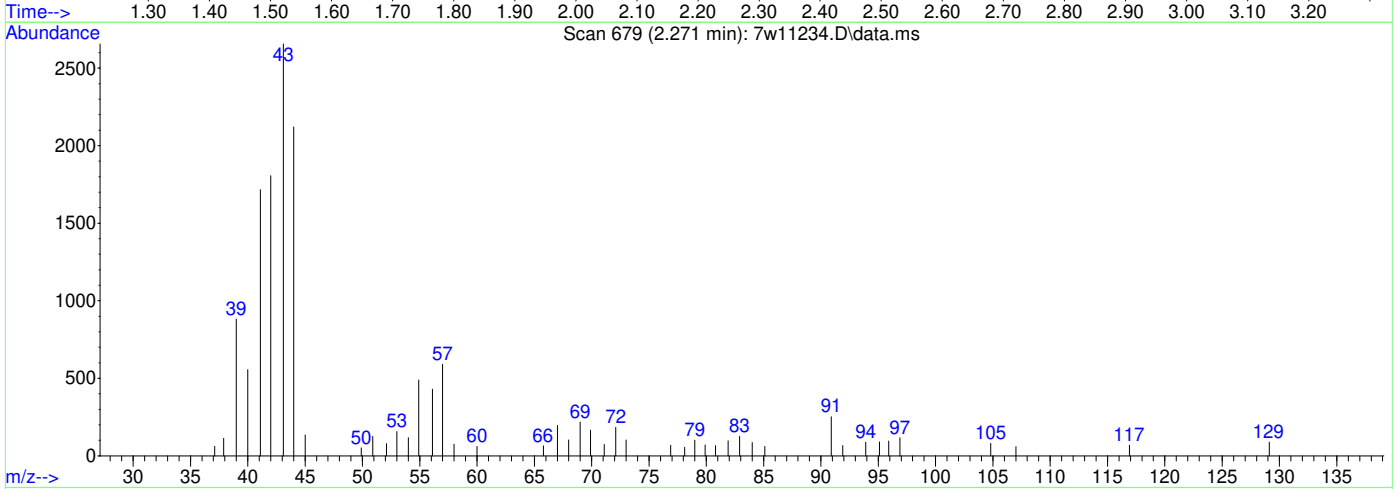
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	277.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.17PPBV

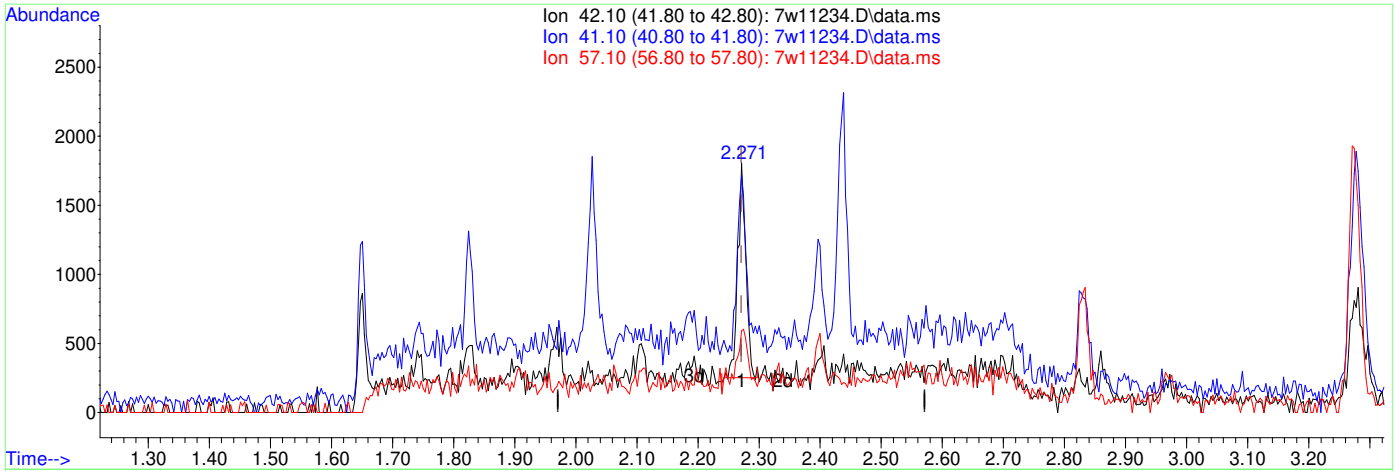
response 1928

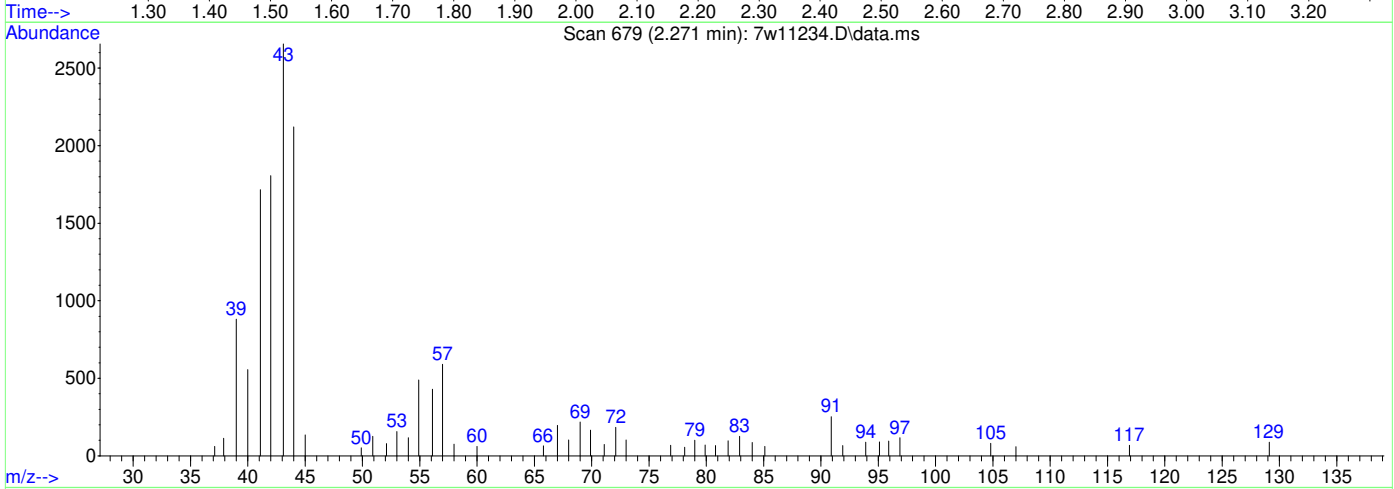
Ion	Exp%	Act%
42.10	100	100
41.10	92.50	84.23
57.10	28.20	33.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.12PPBV m

response 1433

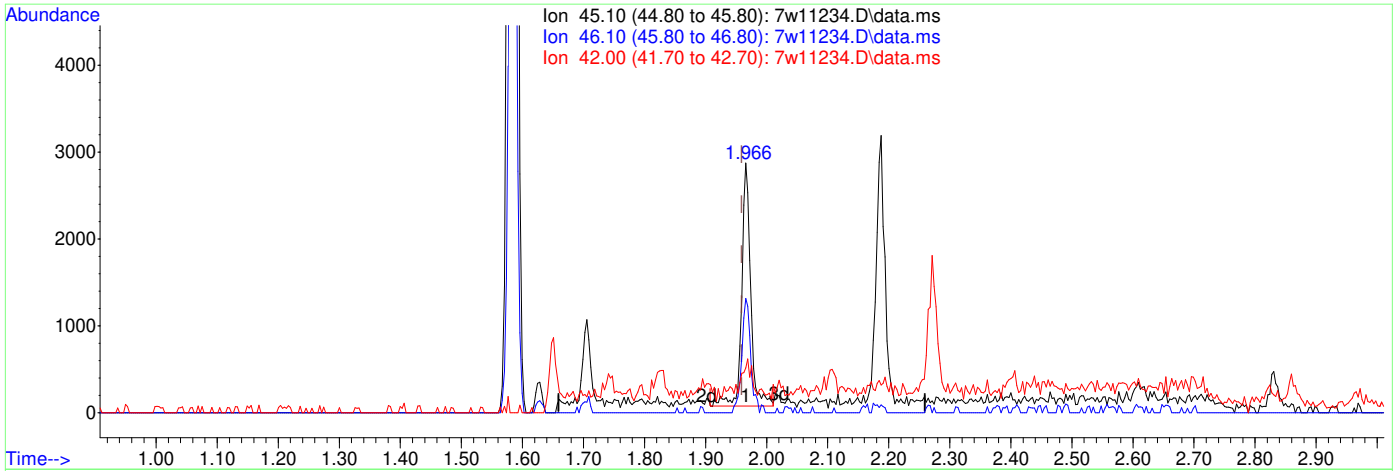
Ion	Exp%	Act%
42.10	100	100
41.10	92.50	113.33
57.10	28.20	45.01#
0.00	0.00	0.00

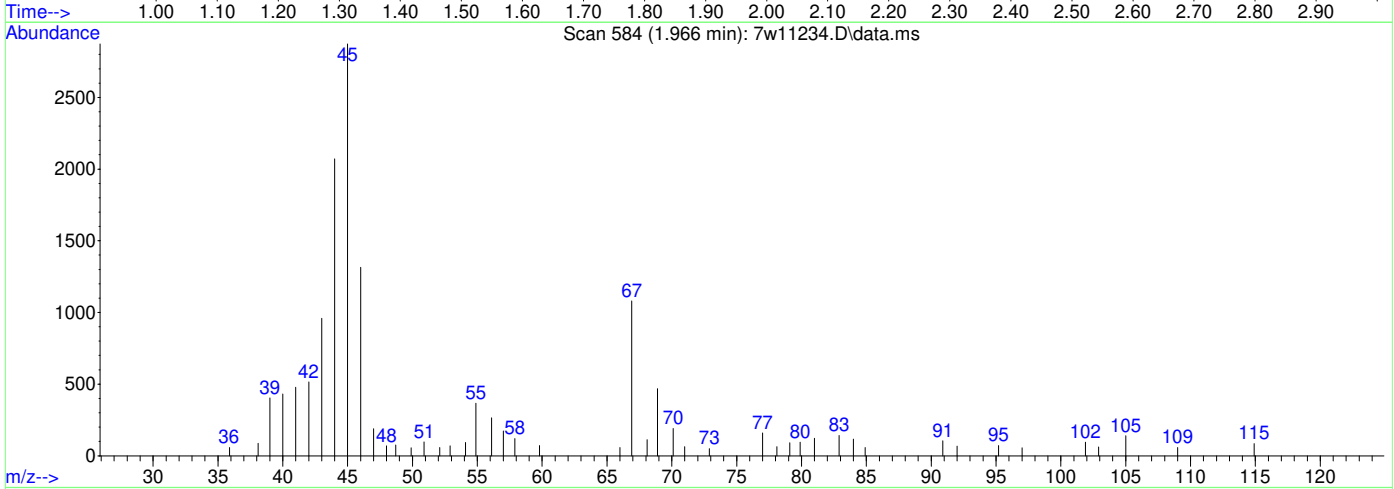
7W11234.D edits: PENTANE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.31PPBV

response 2854

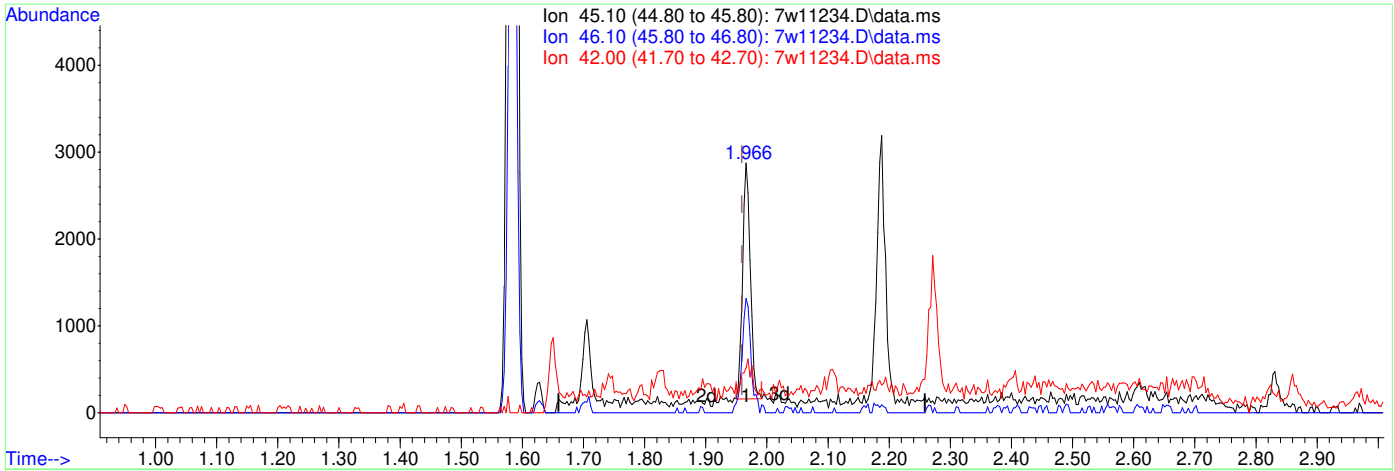
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	47.62
42.00	9.00	24.25#
0.00	0.00	0.00

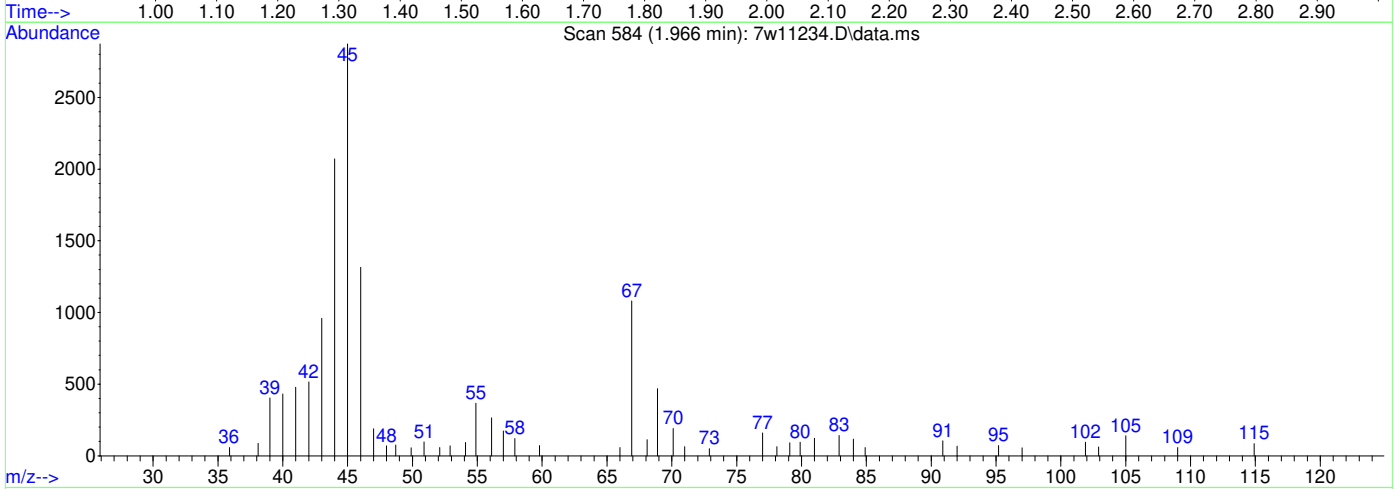
7W11234.D edits: ETHANOL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.26PPBV m

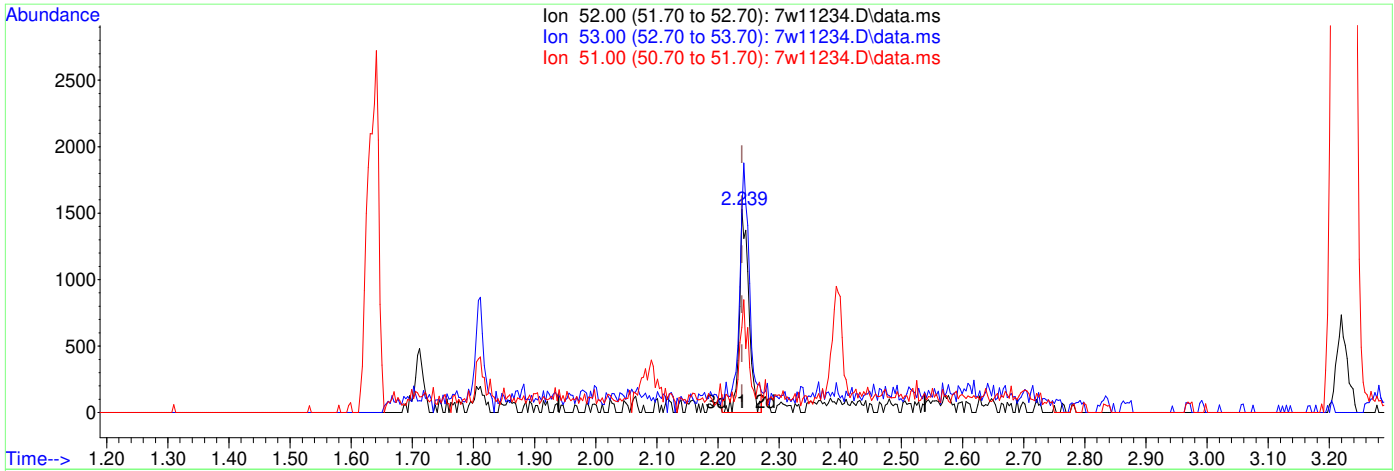
response 2393

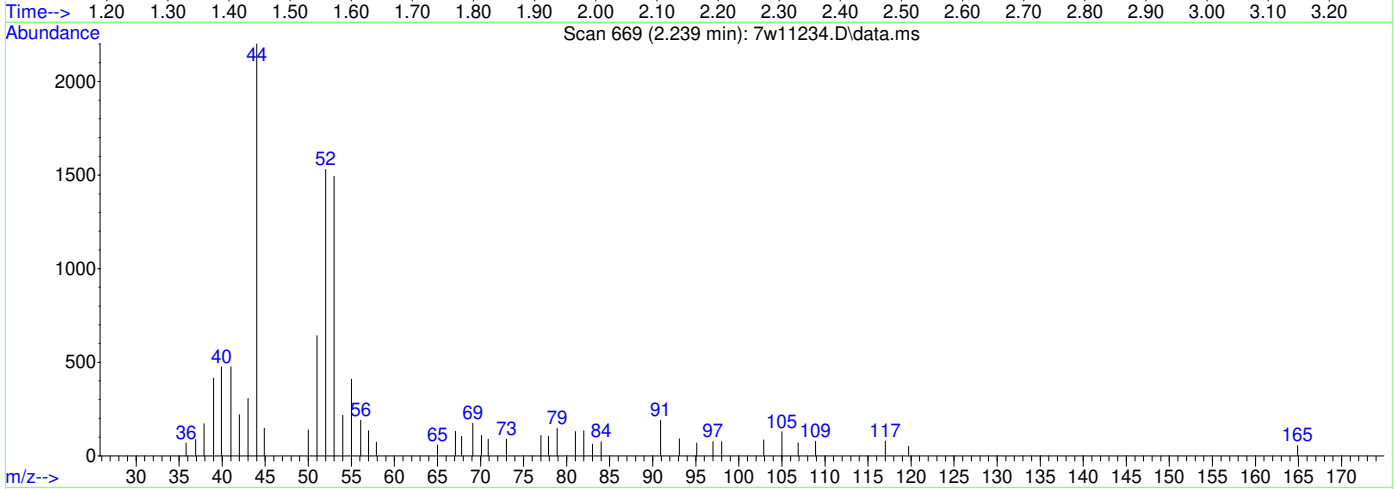
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	56.79#
42.00	9.00	28.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV

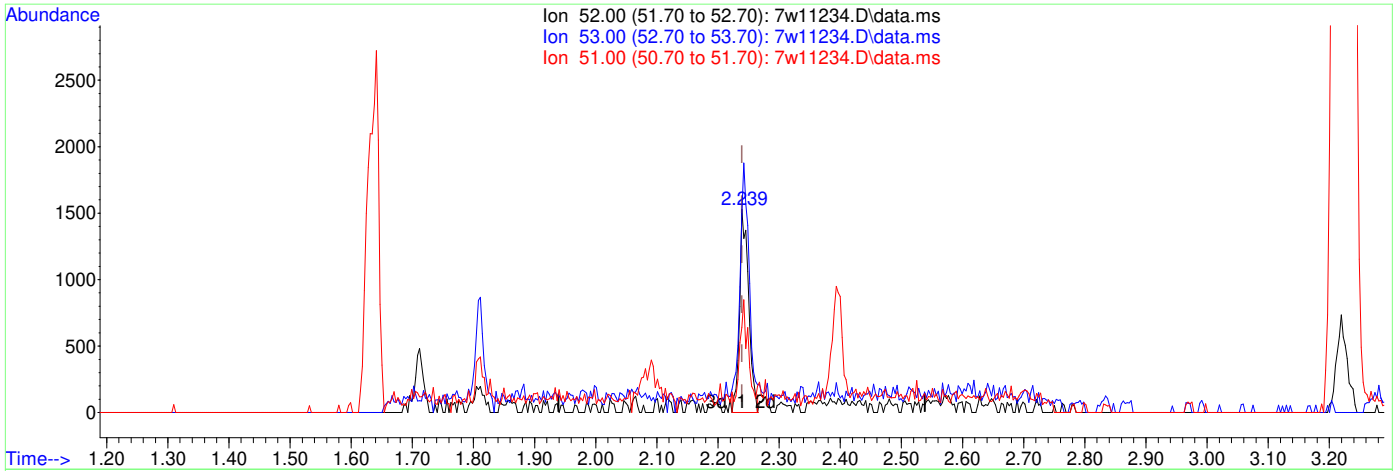
response 1634

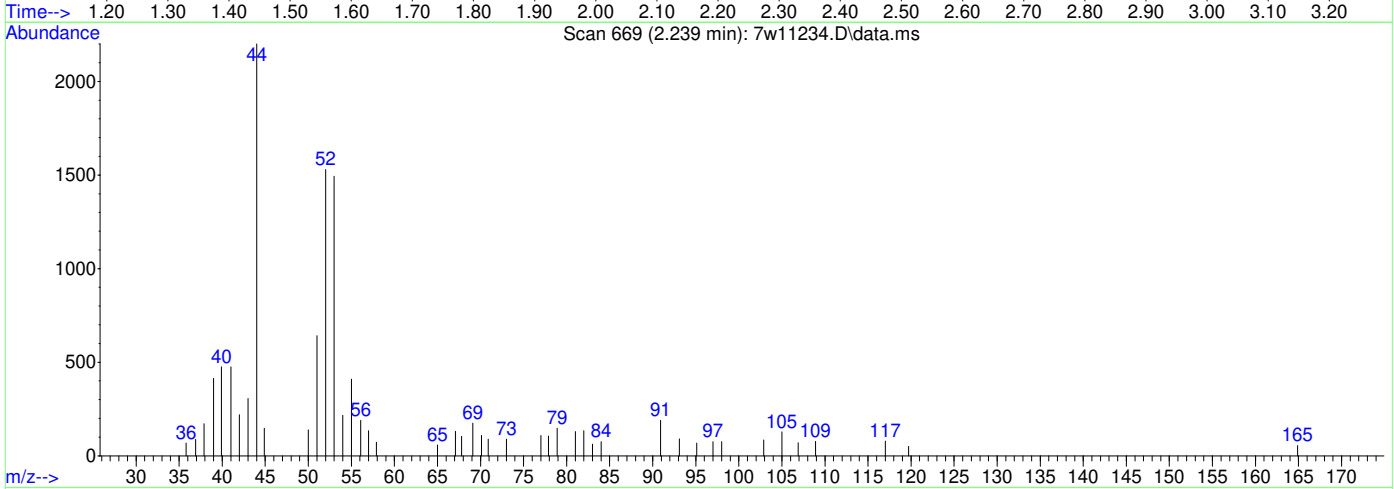
Ion	Exp%	Act%
52.00	100	100
53.00	121.70	128.40
51.00	46.00	60.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV m

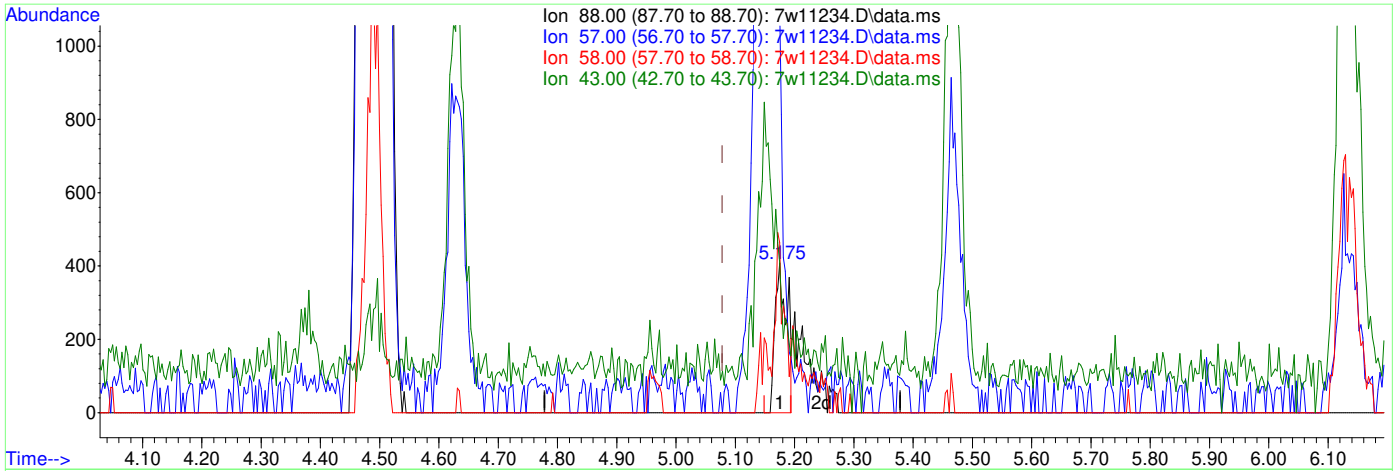
response 1573

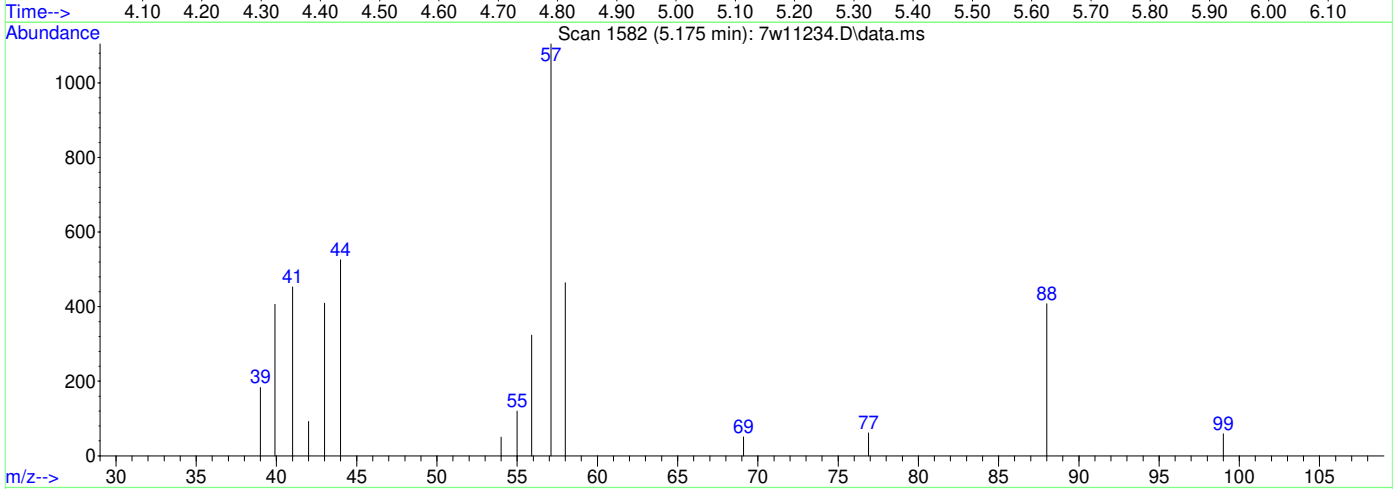
Ion	Exp%	Act%
52.00	100	100
53.00	121.70	133.38
51.00	46.00	62.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.06PPBV

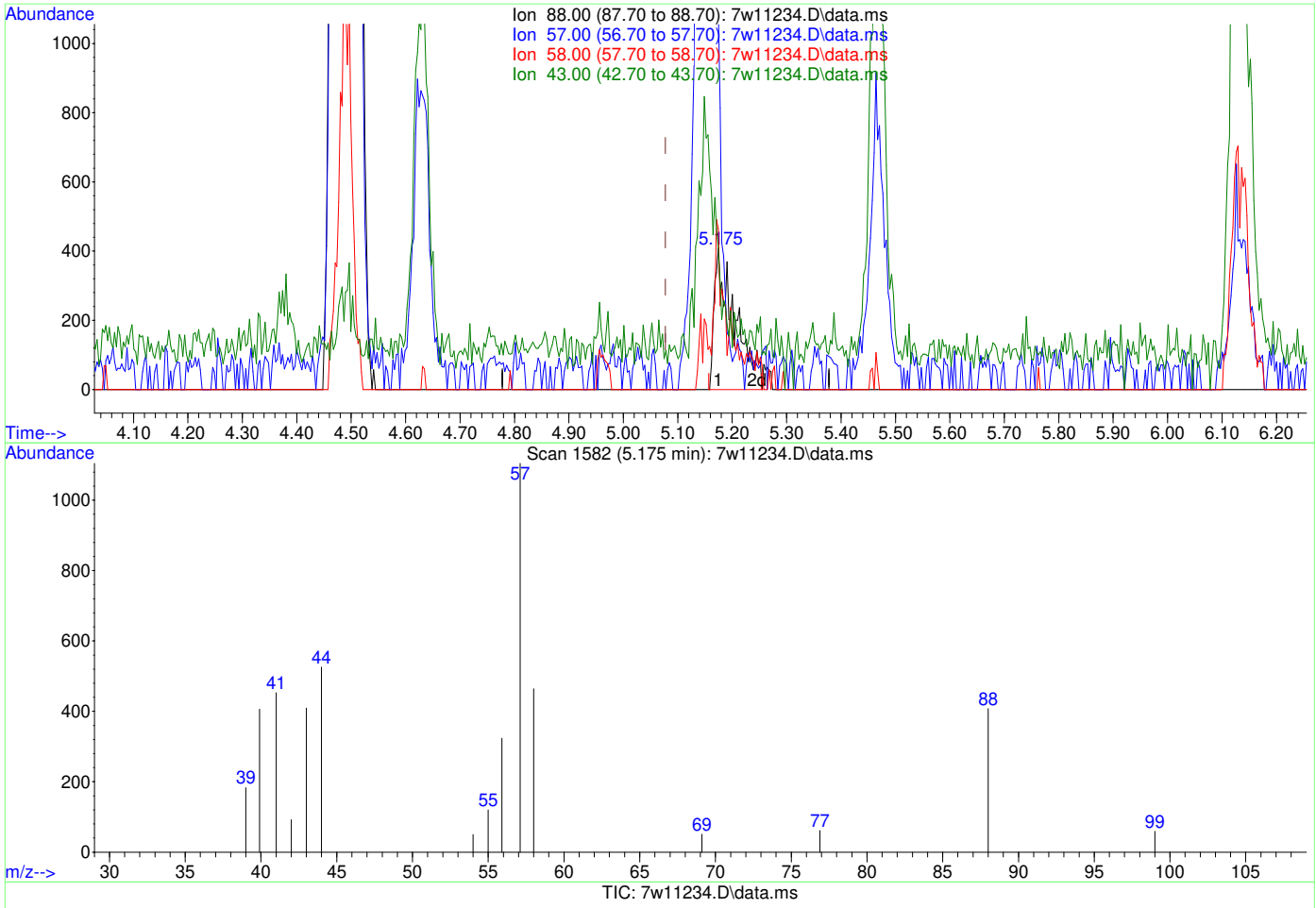
response 578

Ion	Exp%	Act%
88.00	100	100
57.00	21.40	1311.25#
58.00	71.40	125.43#
43.00	28.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration



TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.10PPBV m

response 1055

Ion	Exp%	Act%
88.00	100	100
57.00	21.40	718.39#
58.00	71.40	68.72
43.00	28.80	0.00#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	135376	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	684640	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	633519	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	135376	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	453874	9.81	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	3166	0.30	PPBV		96
3) FREON 152A	1.625	65	1416	0.21	PPBV		98
4) CHLORODIFLUOROMETHANE	1.638	67	685	0.21	PPBV		87
5) CHLOROTRIFLUOROETHENE	1.647	116	3459	0.22	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.667	85	7449	0.22	PPBV		99
7) PROPYLENE	1.647	41	1987	0.24	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	5376	0.22	PPBV	#	86
9) FREON 114	1.737	85	5911	0.22	PPBV		97
10) CHLOROMETHANE	1.712	52	727	0.23	PPBV		87
11) VINYL CHLORIDE	1.769	62	2419	0.21	PPBV		94
12) 1,3-BUTADIENE	1.808	54	2115	0.24	PPBV		88
13) N-BUTANE	1.824	43	3862	0.24	PPBV	#	82
14) BROMOMETHANE	1.885	94	2081	0.21	PPBV	#	89
15) CHLOROETHANE	1.930	64	1245	0.21	PPBV	#	76
16) DICHLOROFLUOROMETHANE	1.956	67	5342	0.22	PPBV		99
17) ACETONITRILE	2.030	41	2440m	0.24	PPBV		
18) ACROLEIN	2.068	56	1350	0.25	PPBV		100
19) FREON 123	2.075	83	5377	0.21	PPBV		97
20) FREON 123A	2.091	117	3608	0.23	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.155	101	6612	0.22	PPBV	#	98
22) ISOPROPYL ALCOHOL	2.204	45	6071	0.26	PPBV		97
23) ACETONE	2.120	58	2022m	0.33	PPBV		
24) PENTANE	2.271	42	2647	0.23	PPBV		89
25) IODOMETHANE	2.332	142	6124	0.22	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.358	96	2396	0.22	PPBV		91
27) CARBON DISULFIDE	2.493	76	6168	0.21	PPBV	#	67
28) ETHANOL	1.975	45	4943m	0.72	PPBV		
29) BROMOETHENE	2.030	106	2344	0.22	PPBV	#	96
30) ACRYLONITRILE	2.245	52	3111	0.38	PPBV		98
31) METHYLENE CHLORIDE	2.396	84	3137	0.31	PPBV		95
32) 3-CHLOROPROPENE	2.435	76	1253	0.23	PPBV		67
33) FREON 113	2.493	151	4101	0.23	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	2503	0.21	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.429	59	6213m	0.22	PPBV		
36) METHYL TERTIARY BUTYL ...	2.850	73	7955	0.23	PPBV	#	82
37) TETRAHYDROFURAN	3.544	72	1188	0.20	PPBV		77
38) HEXANE	3.277	57	4751	0.22	PPBV		80
39) VINYL ACETATE	2.866	86	700	0.21	PPBV	#	13
40) 1,1-DICHLOROETHANE	2.795	63	4780	0.21	PPBV		97
41) METHYL ETHYL KETONE	2.985	72	1419	0.23	PPBV	#	93
42) CIS-1,2-DICHLOROETHENE	3.152	96	2745	0.22	PPBV		98
43) DIISOPROPYL ETHER	3.303	59	1508	0.25	PPBV		78
44) ETHYL ACETATE	3.310	61	982	0.23	PPBV		93
45) METHYL ACRYLATE	3.287	55	5637	0.22	PPBV	#	99
46) CHLOROFORM	3.300	83	5495	0.22	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.782	57	5377	0.22	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.866	97	5772	0.21	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	5354	0.19	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	3890	0.20	PPBV		98
51) BENZENE	4.175	78	8300	0.23	PPBV		99
53) CYCLOHEXANE	4.377	84	3553	0.22	PPBV		85
54) 2,3-DIMETHYLPENTANE	4.631	71	1803	0.21	PPBV		92
55) TRICHLOROETHENE	5.062	95	3668	0.20	PPBV		99
56) 1,2-DICHLOROPROPANE	4.837	63	3210	0.21	PPBV		97
57) DIBROMOMETHANE	4.792	174	3311	0.21	PPBV		94
58) ETHYL ACRYLATE	4.975	55	7267	0.22	PPBV		96
59) BROMODICHLOROMETHANE	5.004	83	5589	0.19	PPBV		92
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	13895	0.21	PPBV		96
61) 1,4-DIOXANE	5.226	88	2954m	0.31	PPBV		
62) HEPTANE	5.470	43	5154	0.22	PPBV		97
63) METHYL METHACRYLATE	5.387	69	3544	0.25	PPBV		90
64) METHYL ISOBUTYL KETONE	6.171	58	4409	0.33	PPBV		96
65) CIS-1,3-DICHLOROPROPENE	5.991	75	4758	0.19	PPBV	#	81
66) TOLUENE	7.190	91	10267	0.22	PPBV		99
67) 1,3-DICHLOROPROPANE	7.252	76	4741	0.20	PPBV		98
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	4218	0.18	PPBV		94
69) 1,1,2-TRICHLOROETHANE	6.817	83	2927	0.22	PPBV		95
70) 2-HEXANONE	7.850	58	8903	0.45	PPBV	#	94
71) ETHYL METHACRYLATE	7.920	69	5702	0.23	PPBV		95
72) TETRACHLOROETHENE	8.904	164	3981	0.21	PPBV		99
73) DIBROMOCHLOROMETHANE	7.721	129	5562	0.19	PPBV		99
74) 1,2-DIBROMOETHANE	8.055	107	5085	0.20	PPBV	#	97
75) OCTANE	9.052	43	7512	0.23	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	10.123	131	4267	0.20	PPBV		97
78) CHLOROBENZENE	10.104	112	7768	0.20	PPBV		98
79) ETHYLBENZENE	10.991	91	13983	0.23	PPBV		95
80) M,P-XYLENE	11.425	91	20795	0.42	PPBV		96
81) O-XYLENE	12.341	91	10737	0.22	PPBV		94
82) STYRENE	12.142	104	7305	0.20	PPBV		100
83) NONANE	13.470	43	7304	0.22	PPBV		97
84) BROMOFORM	11.219	173	4859	0.19	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	6988	0.21	PPBV		98
86) 1,2,3-TRICHLOROPROPANE	12.640	75	5385	0.20	PPBV	#	99
88) ISOPROPYLBENZENE	13.859	120	3932	0.20	PPBV		91
89) BROMOBENZENE	13.718	77	7079	0.20	PPBV		99
90) 2-CHLOROTOLUENE	14.853	126	3458	0.19	PPBV		99
91) N-PROPYLBENZENE	15.197	120	3814	0.19	PPBV		99
92) 4-ETHYLTOLUENE	15.640	105	14151	0.20	PPBV	#	98
93) 1,3,5-TRIMETHYLBENZENE	15.914	105	12096	0.20	PPBV		97
94) ALPHA-METHYLSTYRENE	16.216	118	5670	0.18	PPBV		99
95) TERT-BUTYLBENZENE	16.525	134	2992	0.21	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	12308	0.20	PPBV		99
97) BENZYL CHLORIDE	16.624	91	9192	0.16	PPBV		99
98) M-DICHLOROBENZENE	16.598	146	7938	0.19	PPBV		98
99) P-DICHLOROBENZENE	16.692	146	8082	0.20	PPBV		99
100) O-DICHLOROBENZENE	17.010	146	7837	0.20	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	3638	0.20	PPBV		98
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	12052	0.20	PPBV		97
103) P-ISOPROPYLTOLUENE	17.033	134	4106	0.21	PPBV		98
104) N-BUTYLBENZENE	17.399	134	3733	0.19	PPBV		94
105) HEXACHLOROETHANE	17.573	117	4492	0.19	PPBV		97
106) HEXACHLOROBUTADIENE	18.634	225	5552	0.19	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.322	180	5074	0.14	PPBV		96
108) NAPHTHALENE	18.370	128	9939	0.13	PPBV		98
110) TVHC as equiv Pentane	2.271	TIC	12241m	0.22	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

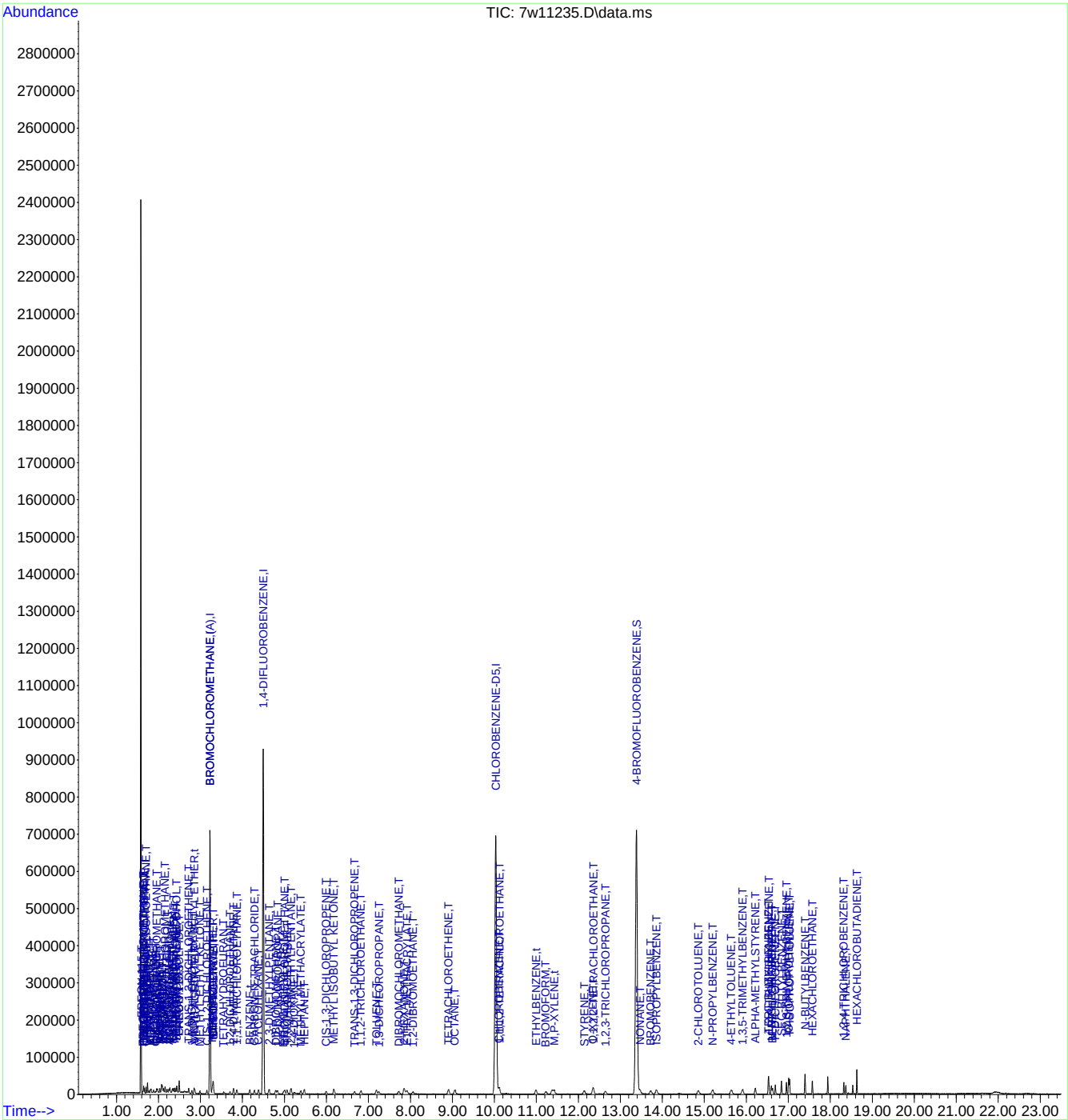
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



Manual Integration Approval Summary

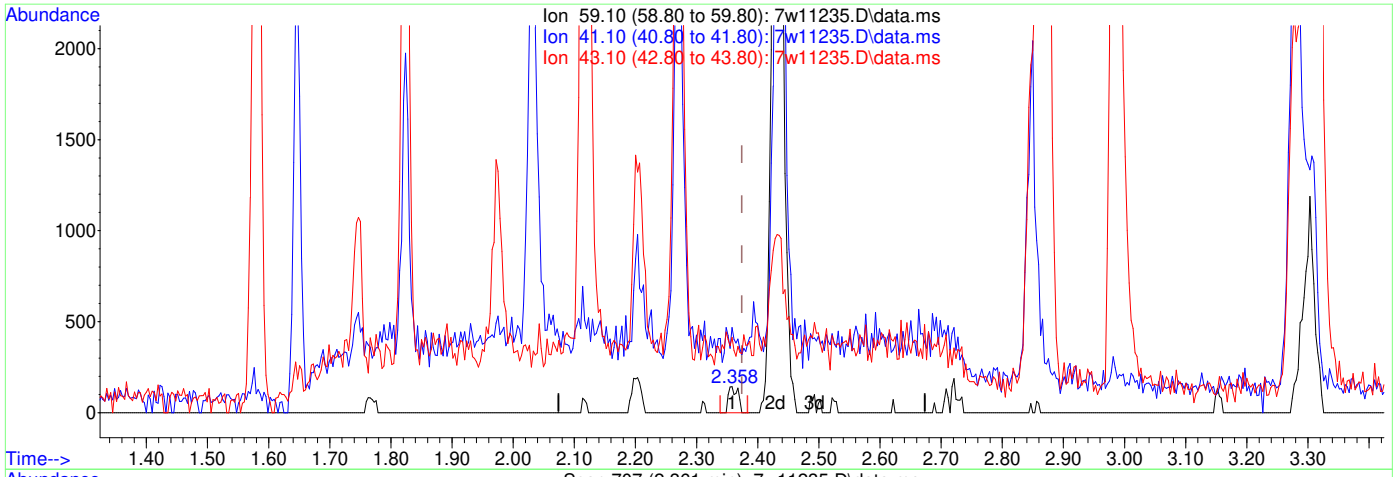
Sample Number: V7W405-IC405
Lab FileID: 7W11235.D
Injection Time: 12/28/24 10:32
Method: TO-15
Analyst approved: 12/30/24 00:11 Kanya Veerawat
Supervisor approved: 12/30/24 00:15 Kanya Veerawat

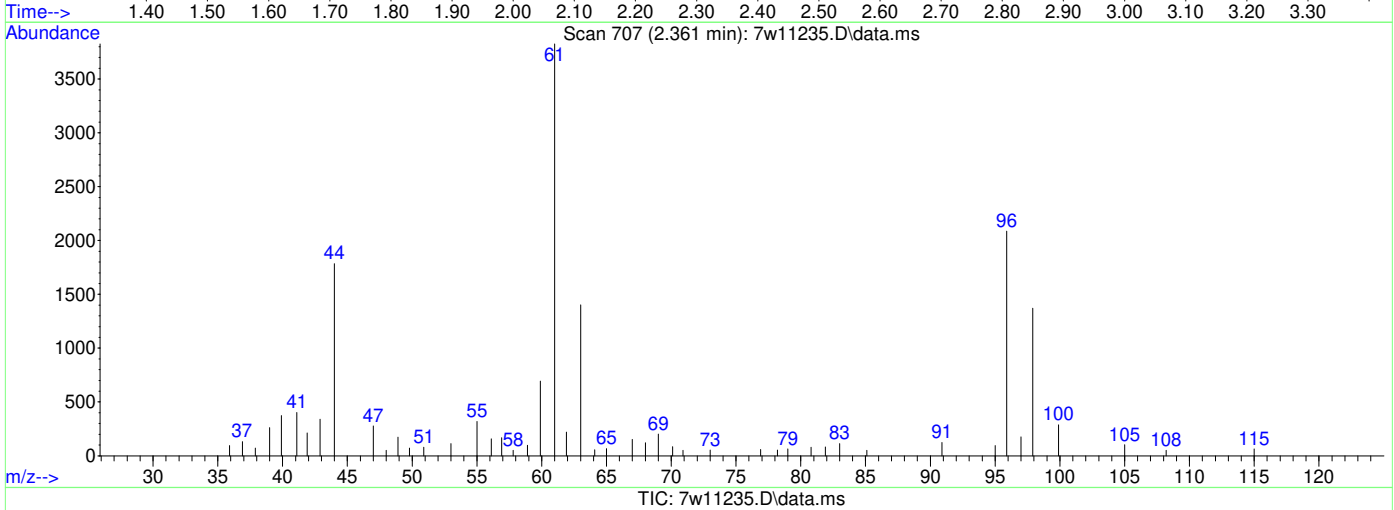
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.98	Poor instrument integration
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.12	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
Tertiary Butyl Alcohol	75-65-0		2.43	Missed peak
1,4-Dioxane	123-91-1		5.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.358min (-0.016) 0.01PPBV

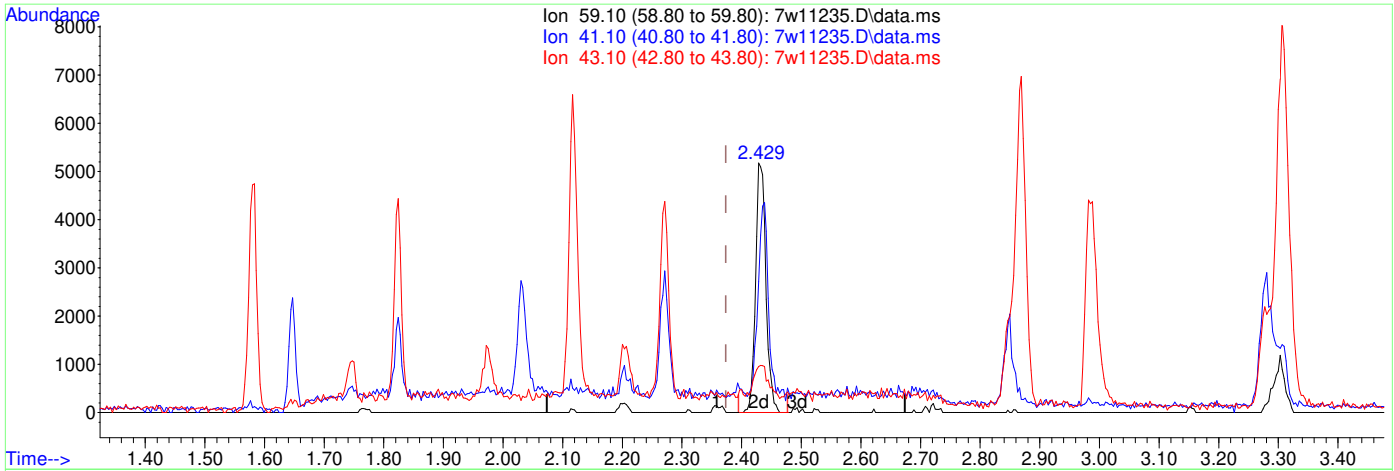
response 153

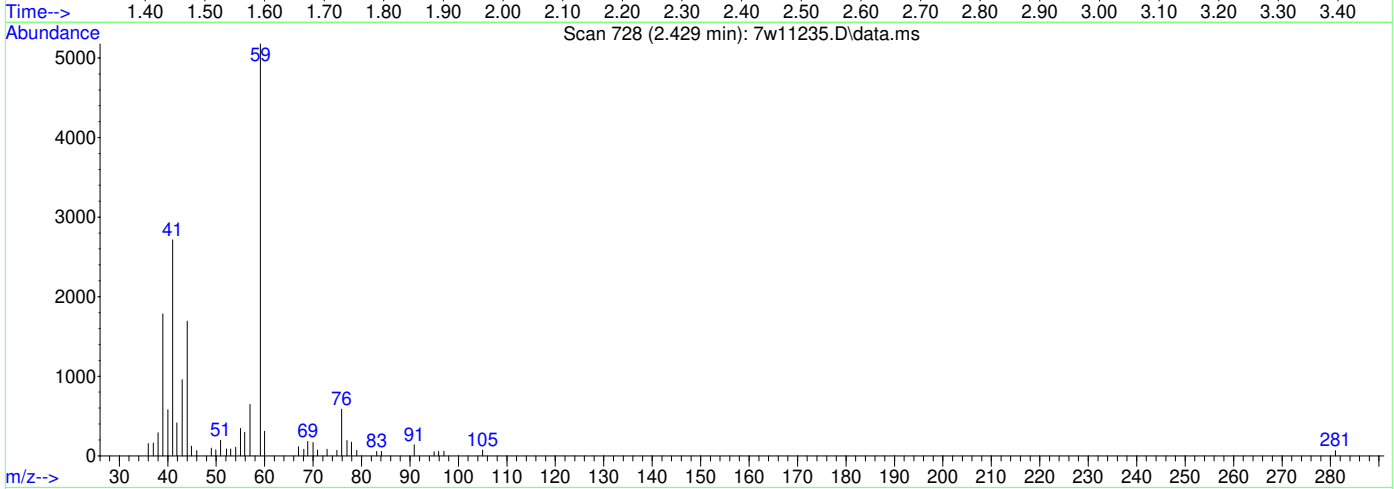
Ion	Exp%	Act%
59.10	100	100
41.10	20.40	87.58#
43.10	14.20	81.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.429min (+0.055) 0.22PPBV m

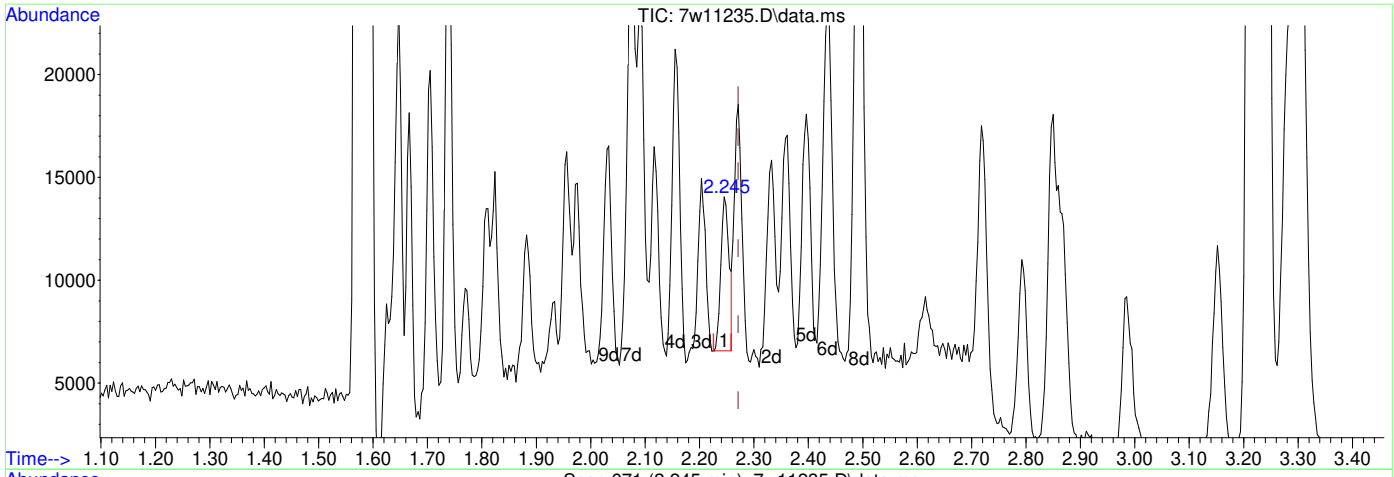
response 6213

Ion	Exp%	Act%
59.10	100	100
41.10	20.40	2.16#
43.10	14.20	2.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.245min (-0.026) 0.14PPBV

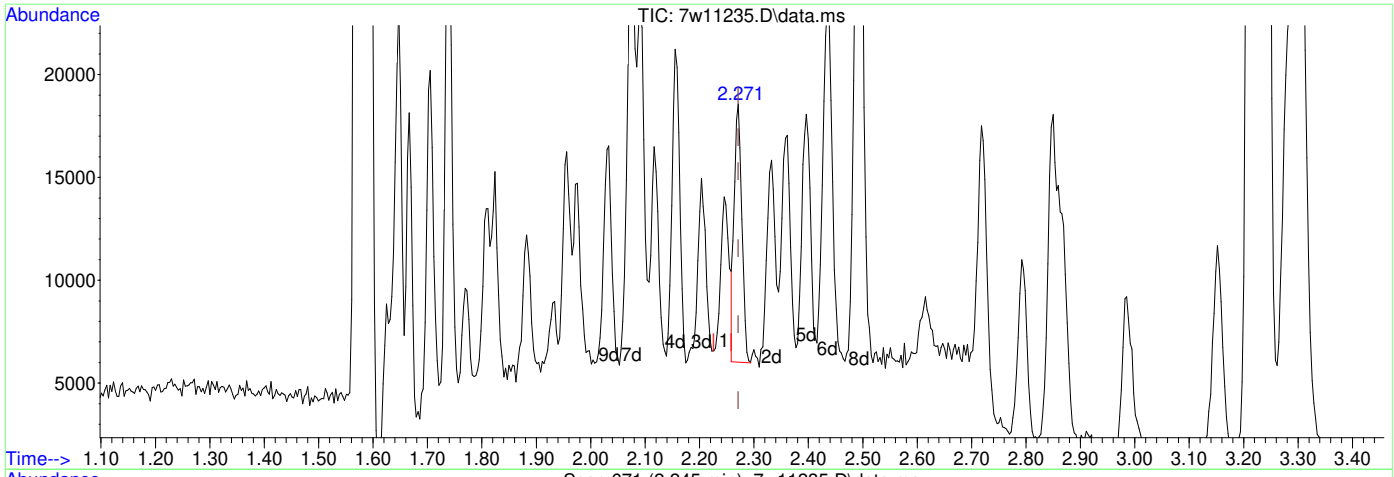
response 7940

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.22PPBV m

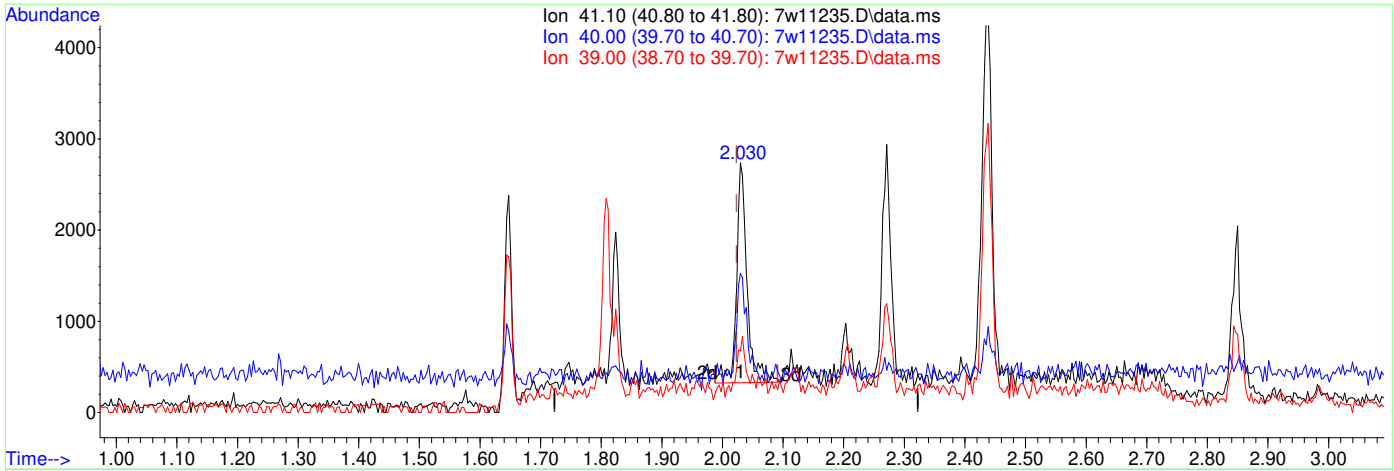
response 12241

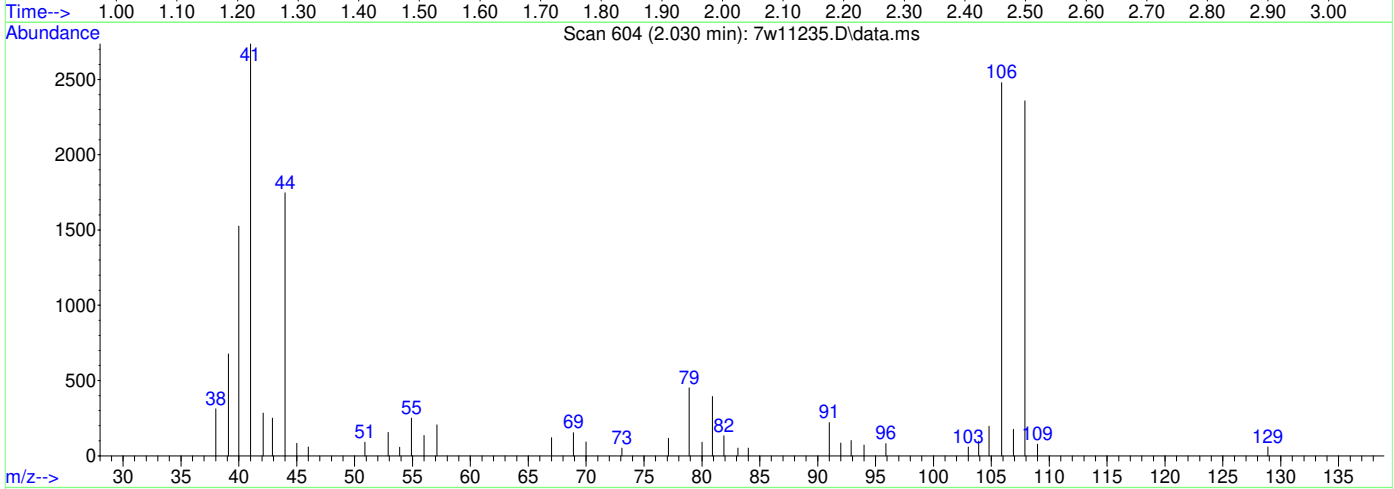
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.30PPBV

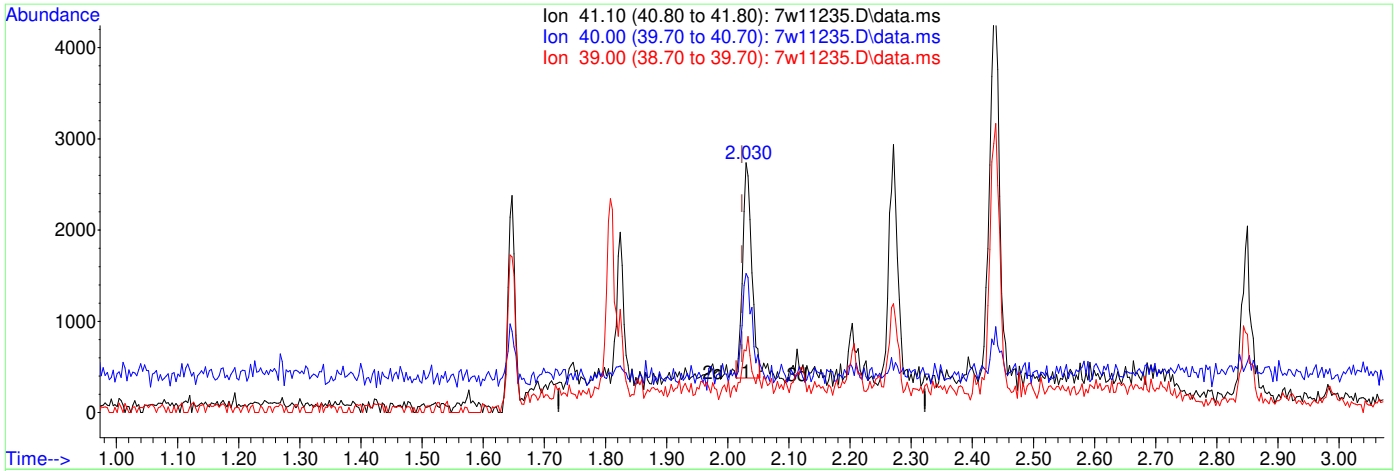
response 2967

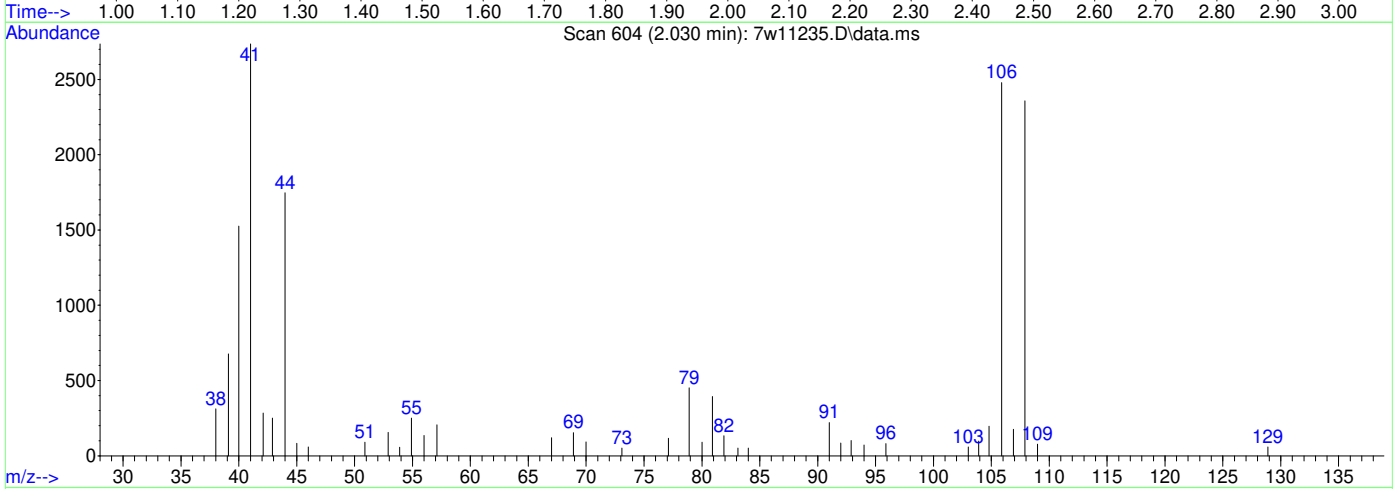
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	51.53
39.00	19.70	22.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.24PPBV m

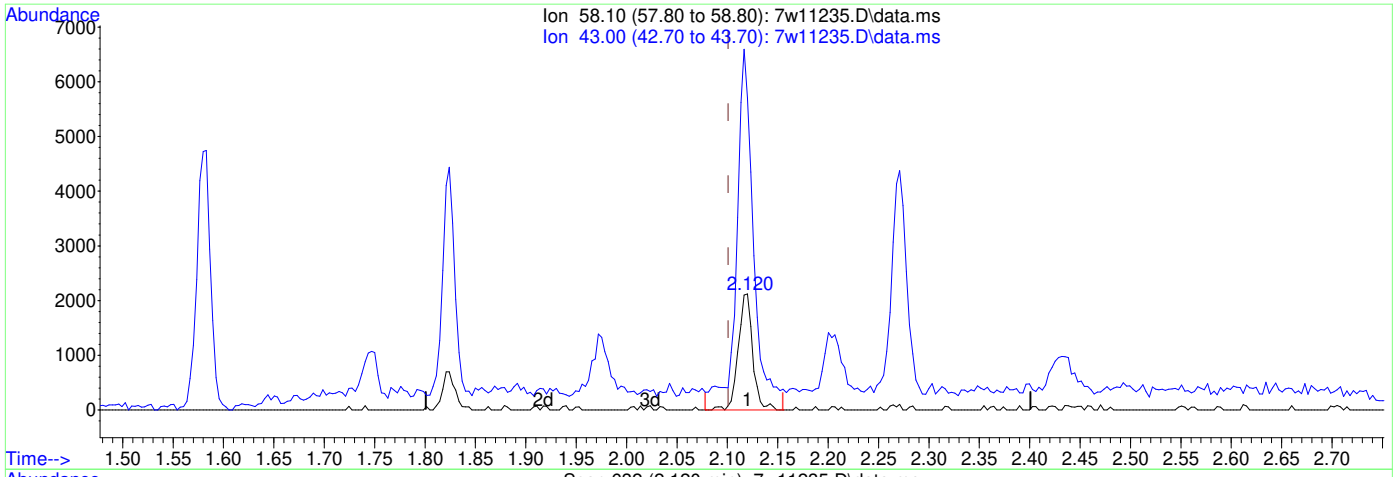
response 2440

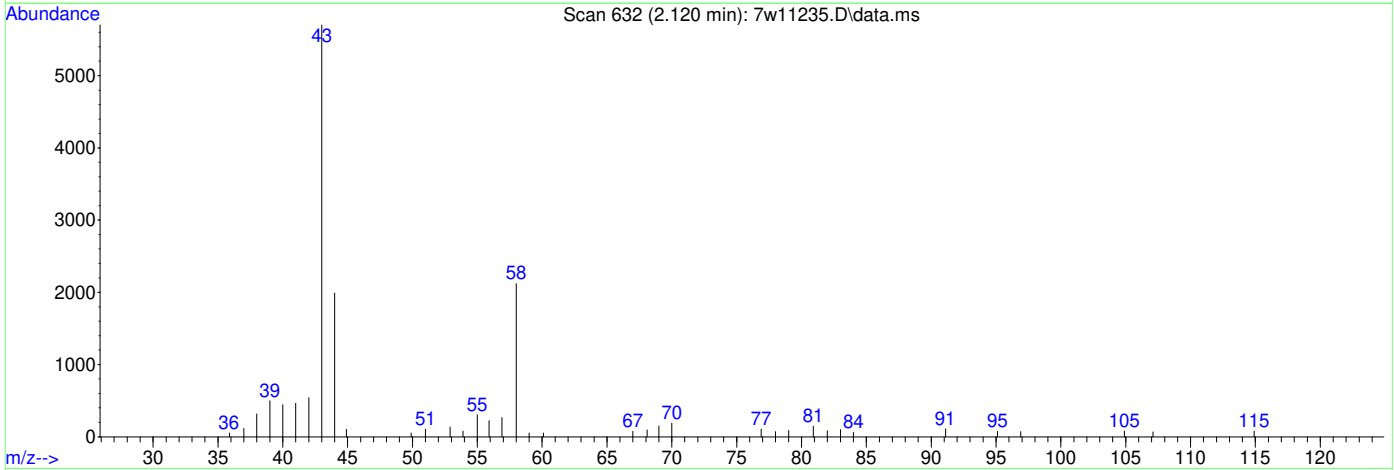
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	62.66
39.00	19.70	26.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.34PPBV

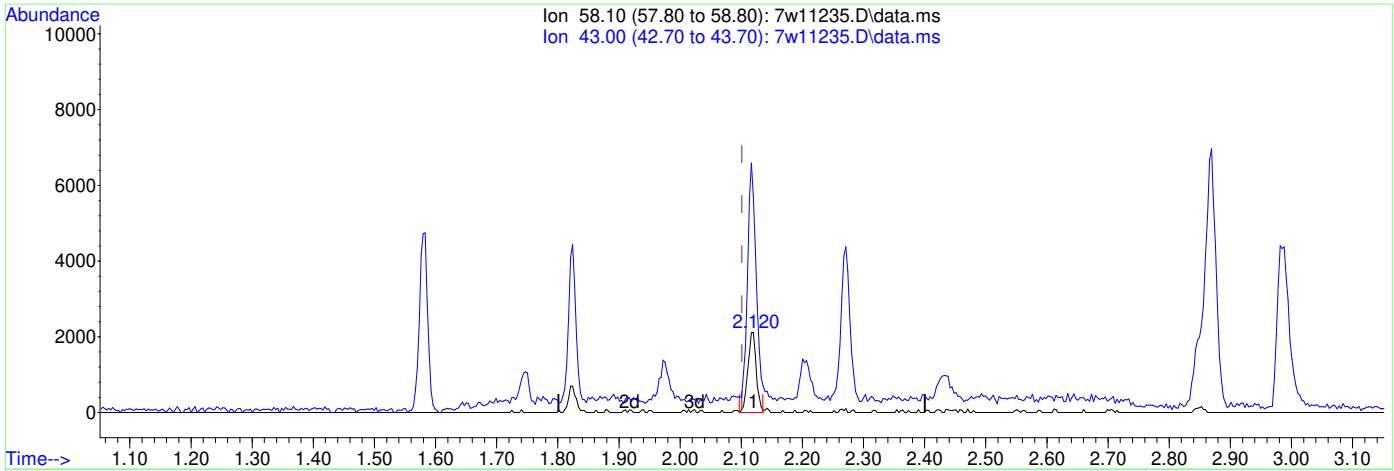
response 2106

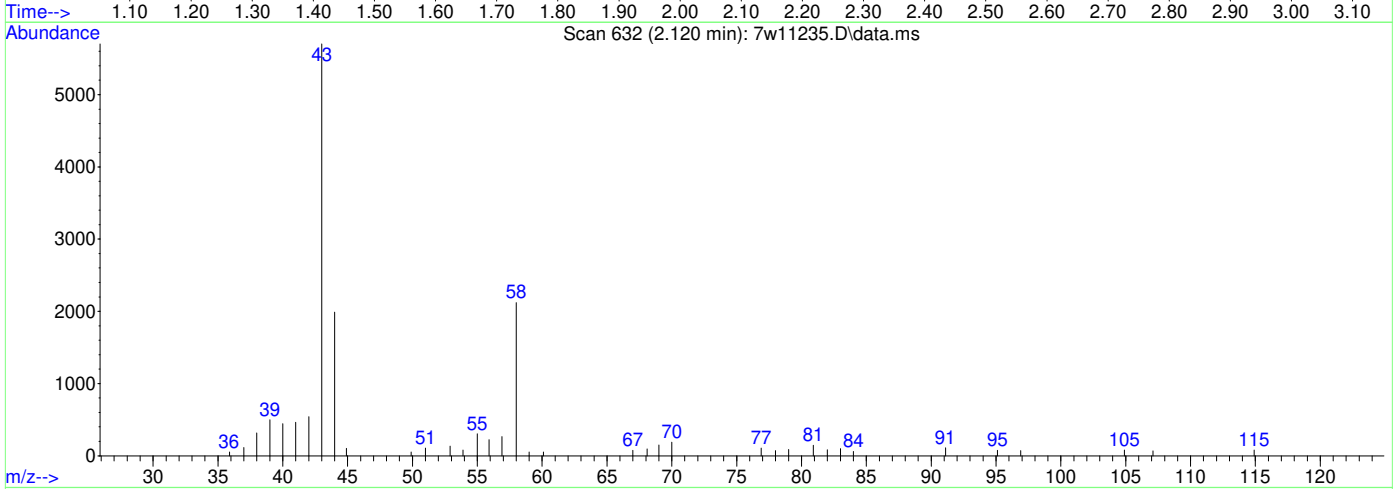
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	308.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.33PPBV m

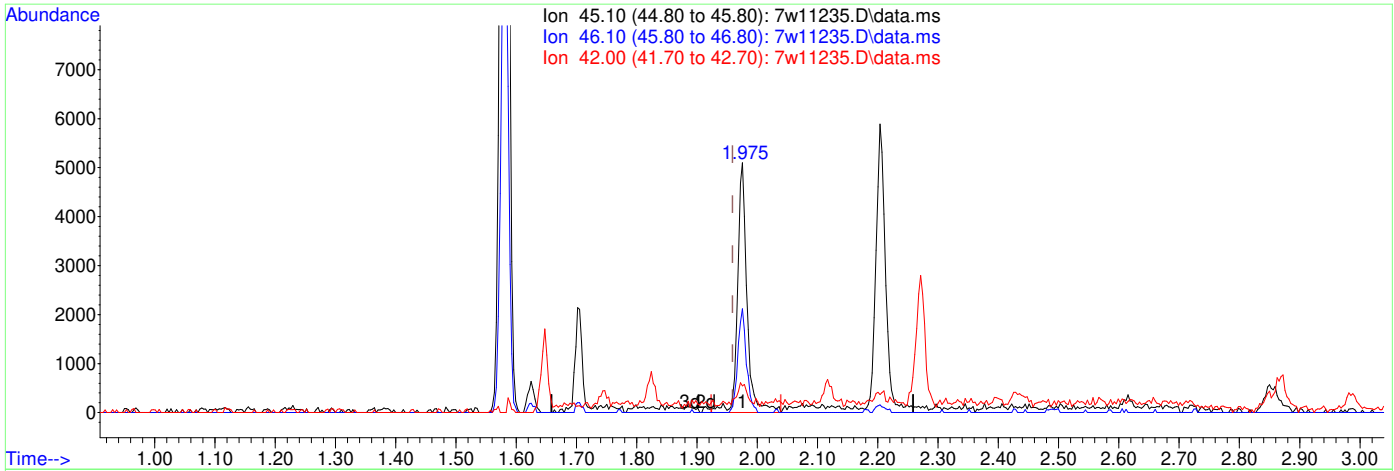
response 2022

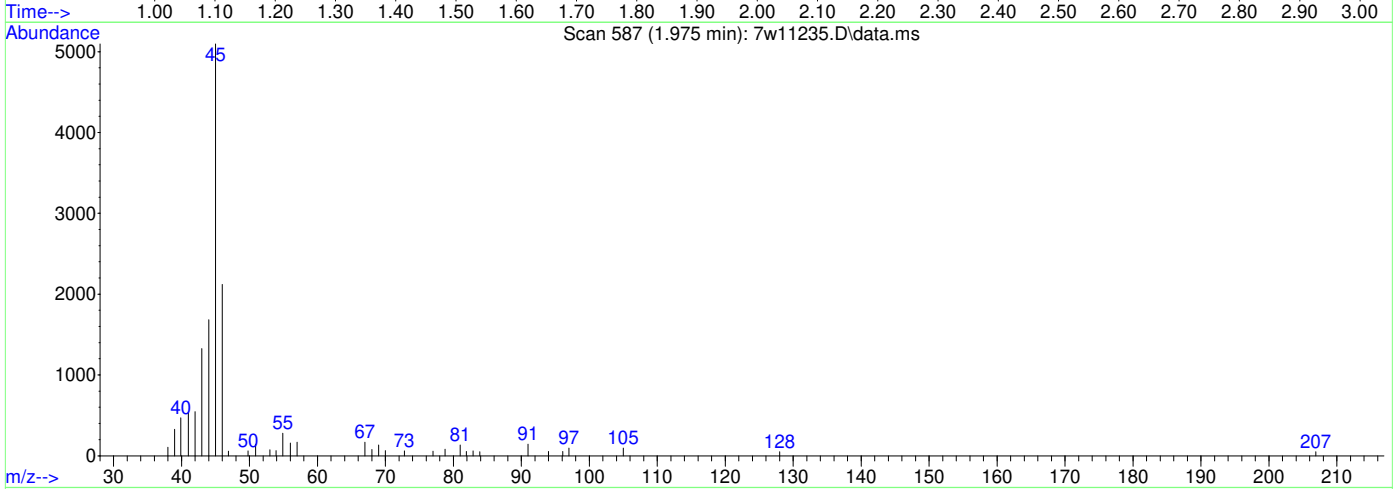
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	320.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.80PPBV

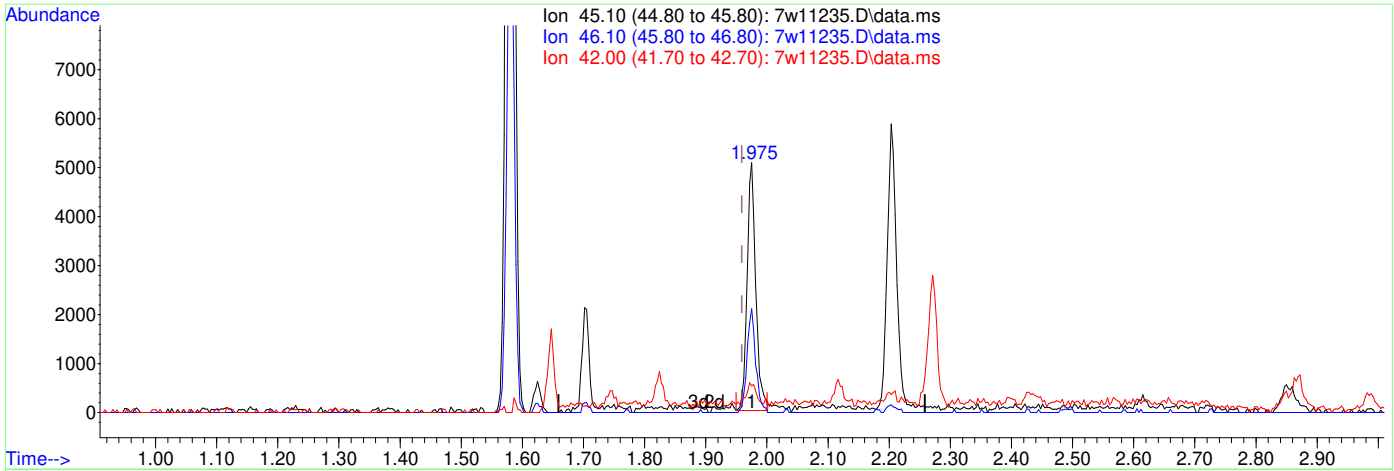
response 5504

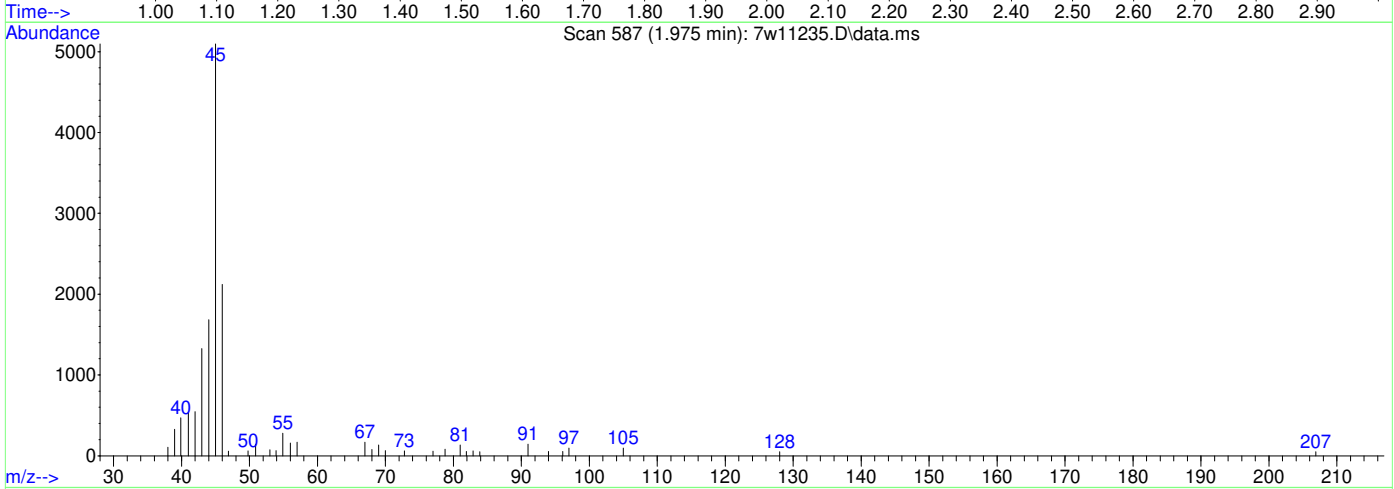
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	37.95
42.00	9.00	11.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.72PPBV m

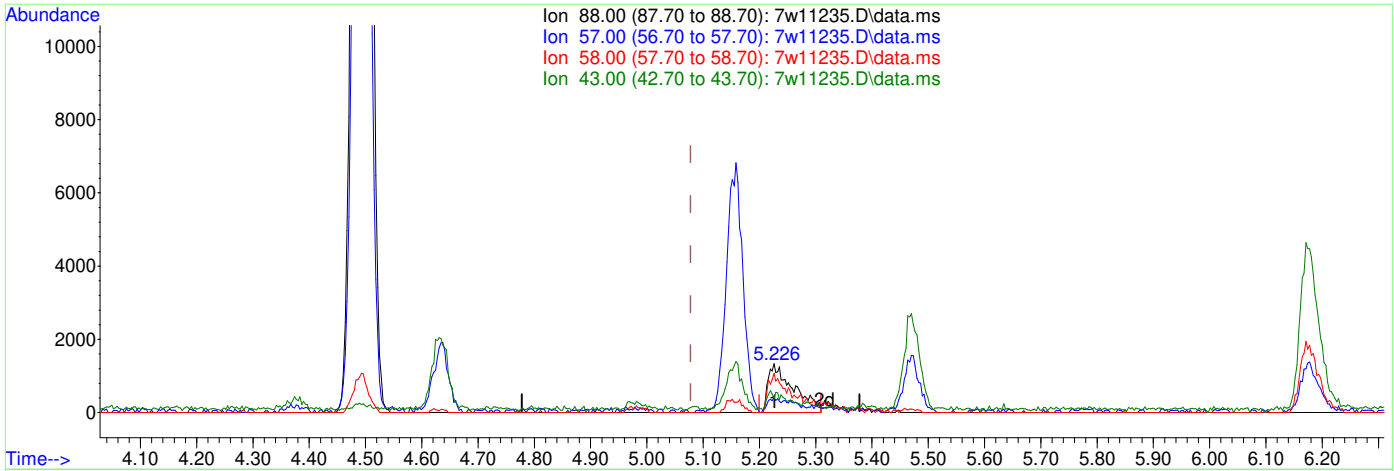
response 4943

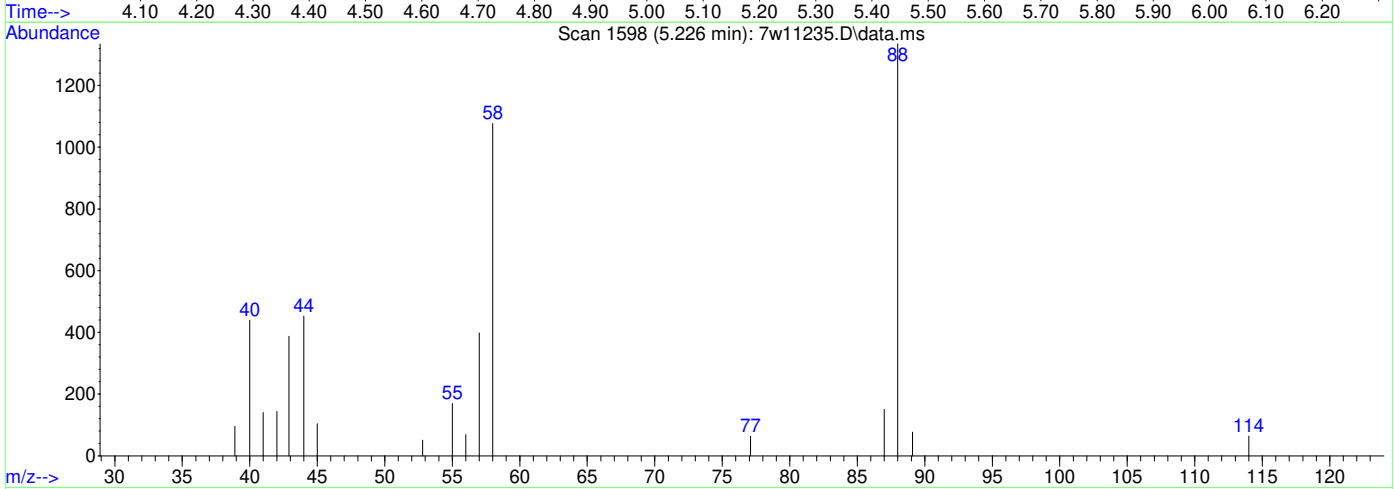
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	42.26
42.00	9.00	12.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.43PPBV

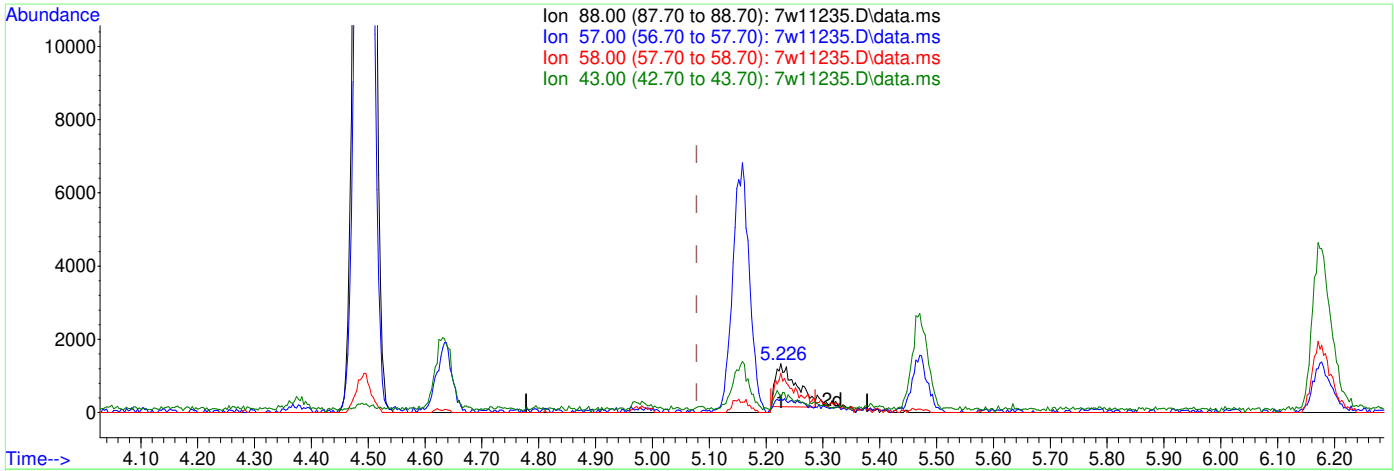
response 4150

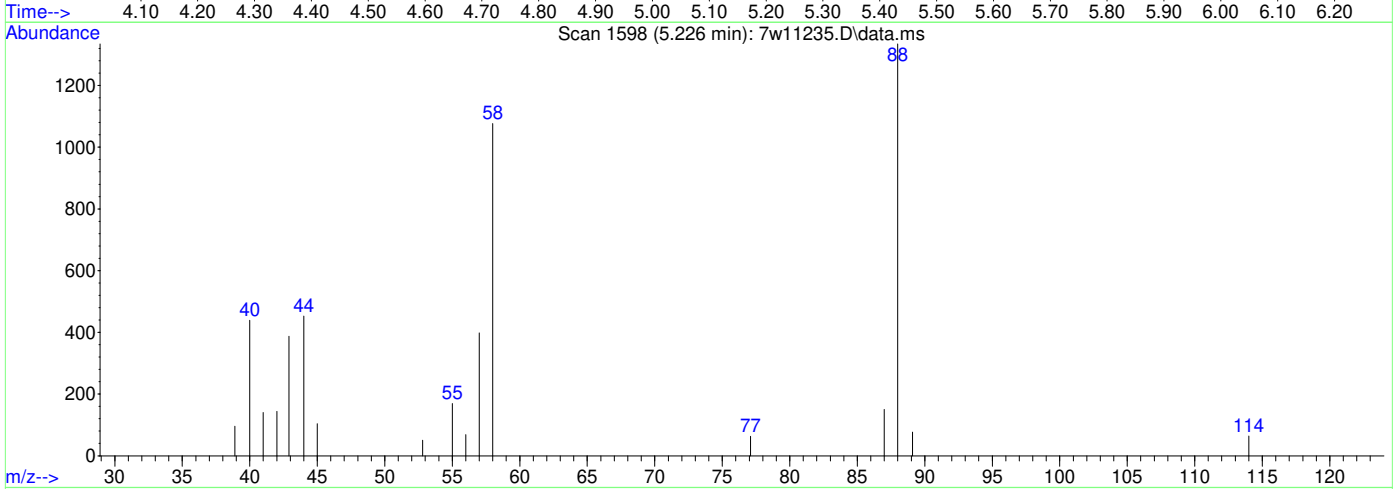
Ion	Exp%	Act%
88.00	100	100
57.00	21.40	33.30#
58.00	71.40	76.77
43.00	28.80	37.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.31PPBV m

response 2954

Ion	Exp%	Act%
88.00	100	100
57.00	21.40	46.78#
58.00	71.40	107.85#
43.00	28.80	52.27#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	130126	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	661732	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.030	117	600657	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	130126	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.380	95	428848	9.74	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	7461	0.80	PPBV		97
3) FREON 152A	1.628	65	3457	0.54	PPBV		98
4) CHLORODIFLUOROMETHANE	1.641	67	1753	0.56	PPBV		93
5) CHLOROTRIFLUOROETHENE	1.650	116	8201	0.53	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.667	85	17786	0.54	PPBV		99
7) PROPYLENE	1.647	41	4729	0.61	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	13030	0.55	PPBV		97
9) FREON 114	1.737	85	14652	0.56	PPBV		100
10) CHLOROMETHANE	1.708	52	1636	0.53	PPBV		89
11) VINYL CHLORIDE	1.769	62	5781	0.52	PPBV		99
12) 1,3-BUTADIENE	1.808	54	4670	0.56	PPBV		85
13) N-BUTANE	1.824	43	9329	0.60	PPBV	#	93
14) BROMOMETHANE	1.885	94	5284	0.56	PPBV		98
15) CHLOROETHANE	1.933	64	3113	0.55	PPBV		95
16) DICHLOROFLUOROMETHANE	1.956	67	12553	0.55	PPBV		97
17) ACETONITRILE	2.027	41	5180	0.55	PPBV		98
18) ACROLEIN	2.065	56	2982	0.60	PPBV		92
19) FREON 123	2.075	83	13106	0.55	PPBV		98
20) FREON 123A	2.094	117	8580	0.57	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.155	101	15558	0.54	PPBV		94
22) ISOPROPYL ALCOHOL	2.184	45	12758	0.57	PPBV		94
23) ACETONE	2.107	58	3383	0.59	PPBV		95
24) PENTANE	2.271	42	6568	0.59	PPBV		99
25) IODOMETHANE	2.332	142	15154	0.57	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.358	96	6019	0.58	PPBV		93
27) CARBON DISULFIDE	2.493	76	15735	0.55	PPBV	#	87
28) ETHANOL	1.962	45	4727m	0.78	PPBV		
29) BROMOETHENE	2.030	106	5411	0.54	PPBV	#	93
30) ACRYLONITRILE	2.242	52	4847	0.63	PPBV		94
31) METHYLENE CHLORIDE	2.396	84	6063m	0.66	PPBV		
32) 3-CHLOROPROPENE	2.438	76	2853	0.54	PPBV		99
33) FREON 113	2.490	151	9324	0.54	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.718	96	6105	0.55	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.396	59	14539	0.54	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.830	73	18535	0.56	PPBV	#	94
37) TETRAHYDROFURAN	3.525	72	2976	0.54	PPBV		93
38) HEXANE	3.277	57	11414	0.57	PPBV		98
39) VINYL ACETATE	2.863	86	1803	0.56	PPBV		90
40) 1,1-DICHLOROETHANE	2.792	63	11928	0.56	PPBV		100
41) METHYL ETHYL KETONE	2.965	72	3166	0.55	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.152	96	6909	0.57	PPBV		96
43) DIISOPROPYL ETHER	3.284	59	3289	0.57	PPBV		96
44) ETHYL ACETATE	3.290	61	2317	0.56	PPBV		96
45) METHYL ACRYLATE	3.277	55	13660	0.56	PPBV	#	99
46) CHLOROFORM	3.297	83	13724	0.58	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	12969	0.56	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.863	97	14399	0.56	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	13974	0.50	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	10257	0.56	PPBV		99
51) BENZENE	4.171	78	19367	0.57	PPBV		99
53) CYCLOHEXANE	4.374	84	8799	0.56	PPBV		96
54) 2,3-DIMETHYLPENTANE	4.634	71	4644	0.58	PPBV		97
55) TRICHLOROETHENE	5.059	95	9453	0.55	PPBV		95
56) 1,2-DICHLOROPROPANE	4.827	63	7706	0.53	PPBV		99
57) DIBROMOMETHANE	4.792	174	8465	0.57	PPBV		98
58) ETHYL ACRYLATE	4.956	55	16033	0.50	PPBV		96
59) BROMODICHLOROMETHANE	5.007	83	14110	0.50	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.152	57	35677	0.56	PPBV		100
61) 1,4-DIOXANE	5.139	88	4905	0.53	PPBV	#	1
62) HEPTANE	5.467	43	13181	0.59	PPBV		96
63) METHYL METHACRYLATE	5.371	69	7721	0.56	PPBV		98
64) METHYL ISOBUTYL KETONE	6.116	58	6846	0.53	PPBV		94
65) CIS-1,3-DICHLOROPROPENE	5.988	75	12166	0.51	PPBV		96
66) TOLUENE	7.184	91	24314	0.53	PPBV		99
67) 1,3-DICHLOROPROPANE	7.245	76	11960	0.53	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	10484	0.46	PPBV		92
69) 1,1,2-TRICHLOROETHANE	6.817	83	7092	0.54	PPBV		98
70) 2-HEXANONE	7.788	58	9642	0.50	PPBV		98
71) ETHYL METHACRYLATE	7.898	69	12529	0.51	PPBV		99
72) TETRACHLOROETHENE	8.904	164	9969	0.56	PPBV		99
73) DIBROMOCHLOROMETHANE	7.721	129	14205	0.49	PPBV		98
74) 1,2-DIBROMOETHANE	8.055	107	13114	0.53	PPBV		99
75) OCTANE	9.055	43	17337	0.55	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	10.113	131	10660	0.53	PPBV		97
78) CHLOROBENZENE	10.103	112	19943	0.55	PPBV		99
79) ETHYLBENZENE	10.988	91	32514	0.56	PPBV		100
80) M,P-XYLENE	11.409	91	51003	1.10	PPBV		94
81) O-XYLENE	12.341	91	25344	0.55	PPBV		99
82) STYRENE	12.136	104	18328	0.51	PPBV		99
83) NONANE	13.470	43	17721	0.55	PPBV		98
84) BROMOFORM	11.219	173	12250	0.49	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.351	83	17300	0.54	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	12.640	75	13495	0.52	PPBV	#	99
88) ISOPROPYLBENZENE	13.849	120	9703	0.52	PPBV		97
89) BROMOBENZENE	13.714	77	17543	0.51	PPBV		97
90) 2-CHLOROTOLUENE	14.849	126	8301	0.48	PPBV		99
91) N-PROPYLBENZENE	15.190	120	9518	0.49	PPBV		99
92) 4-ETHYLTOLUENE	15.640	105	34399	0.50	PPBV	#	99
93) 1,3,5-TRIMETHYLBENZENE	15.914	105	29336	0.51	PPBV		98
94) ALPHA-METHYLSTYRENE	16.209	118	13890	0.46	PPBV		98
95) TERT-BUTYLBENZENE	16.524	134	7147	0.52	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	29945	0.52	PPBV		100
97) BENZYL CHLORIDE	16.624	91	22336	0.41	PPBV		98
98) M-DICHLOROBENZENE	16.595	146	19313	0.48	PPBV		99
99) P-DICHLOROBENZENE	16.688	146	19478	0.50	PPBV		100
100) O-DICHLOROBENZENE	17.007	146	18748	0.51	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	8964	0.52	PPBV		99
102) 1,2,3-TRIMETHYLBENZENE	16.952	105	29312	0.51	PPBV		100
103) P-ISOPROPYLTOLUENE	17.029	134	9615	0.50	PPBV		95
104) N-BUTYLBENZENE	17.393	134	9503	0.50	PPBV		99
105) HEXACHLOROETHANE	17.573	117	10657	0.46	PPBV		98
106) HEXACHLOROBUTADIENE	18.630	225	13635	0.48	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.322	180	13109	0.36	PPBV		98
108) NAPHTHALENE	18.367	128	25591	0.32	PPBV		100
110) TVHC as equiv Pentane	2.271	TIC	31378m	0.58	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

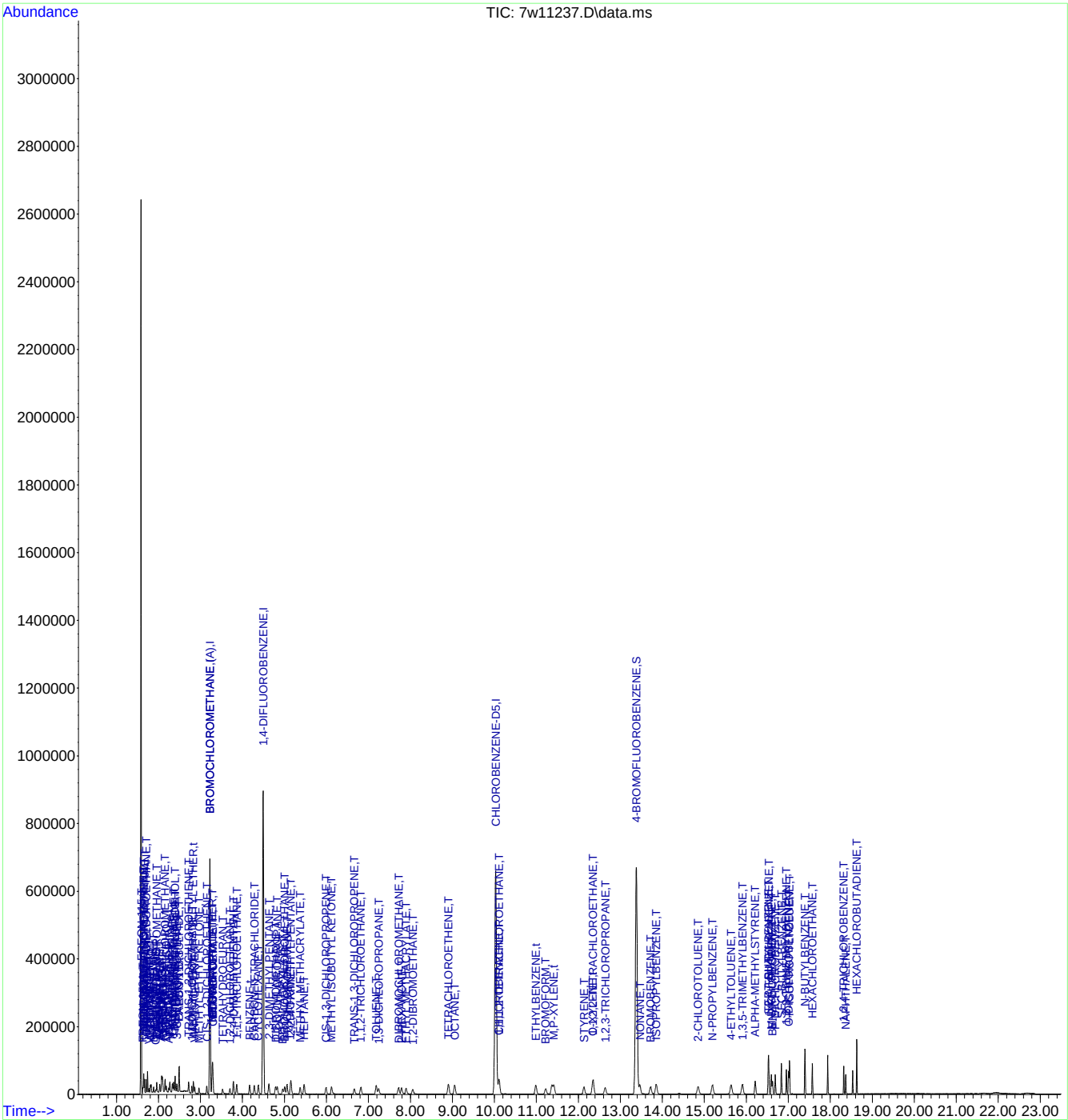
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



Manual Integration Approval Summary

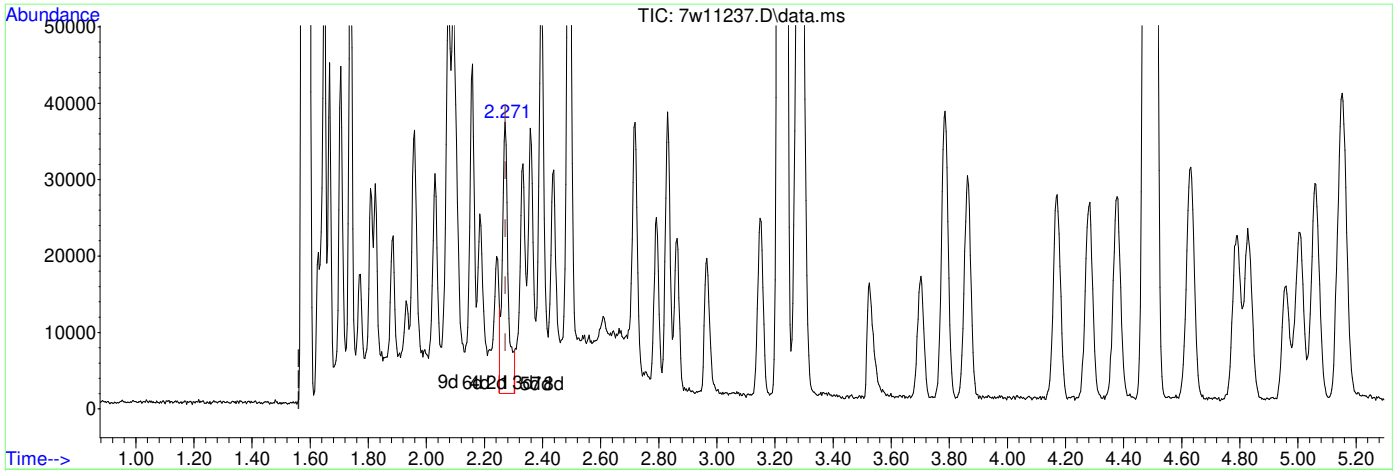
Sample Number: V7W405-IC405
Lab FileID: 7W11237.D
Injection Time: 12/28/24 11:51
Method: TO-15
Analyst approved: 12/30/24 00:11 Kanya Veerawat
Supervisor approved: 12/30/24 00:15 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.96	Poor instrument integration
TVHC As Equiv Pentane			2.27	Poor instrument integration
Methylene chloride	75-09-2		2.40	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.90PPBV

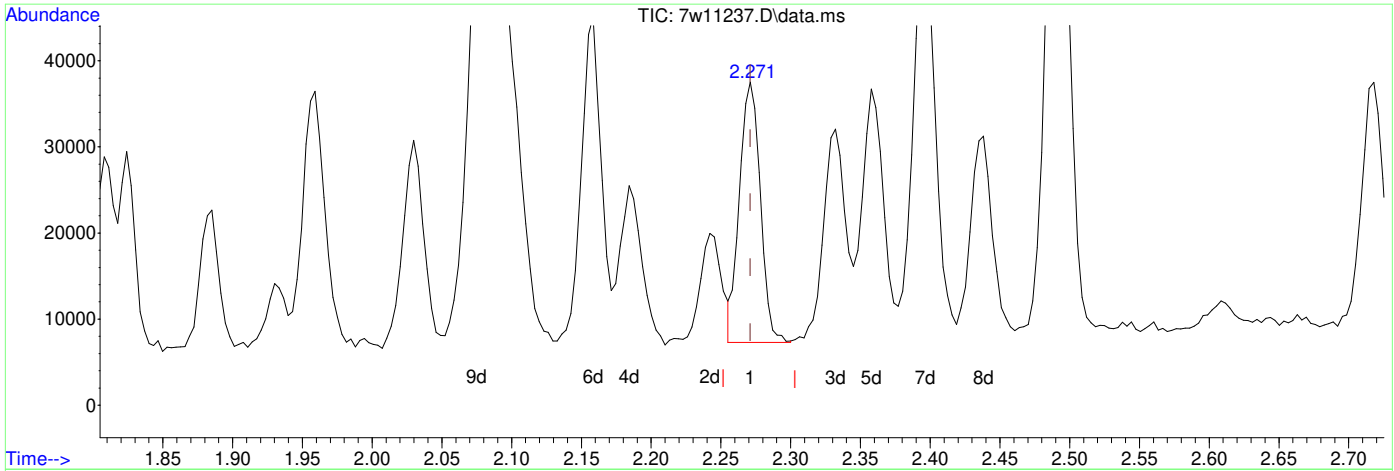
response 48575

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.58PPBV m

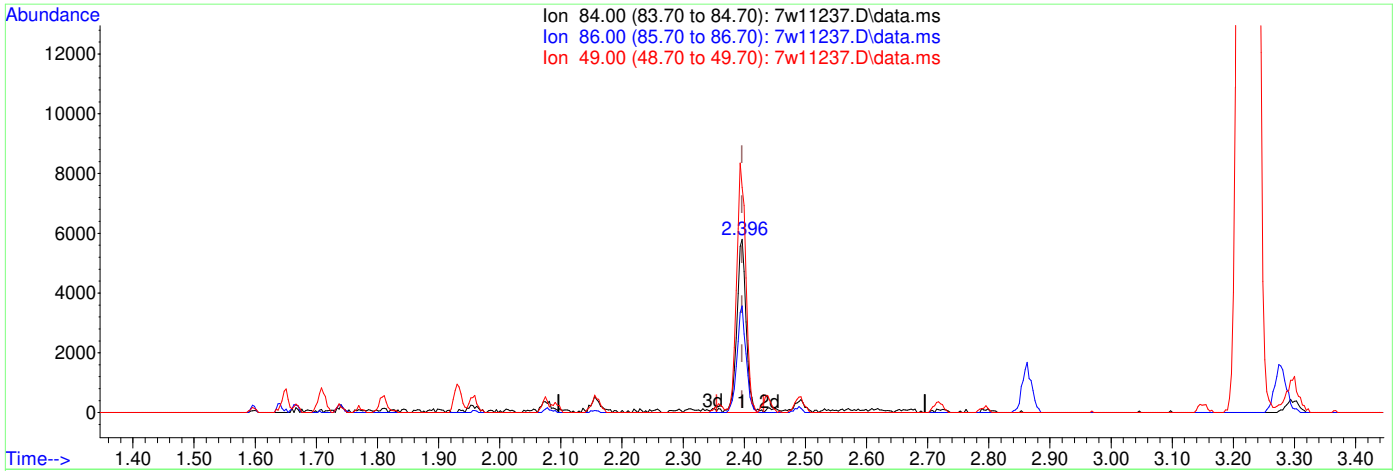
response 31378

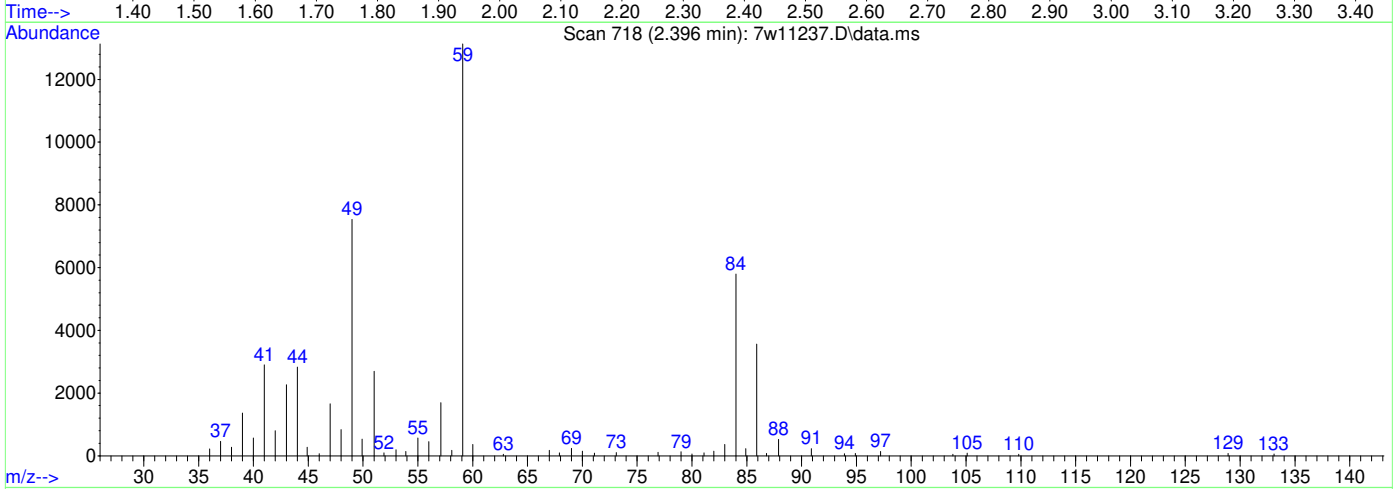
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.67PPBV

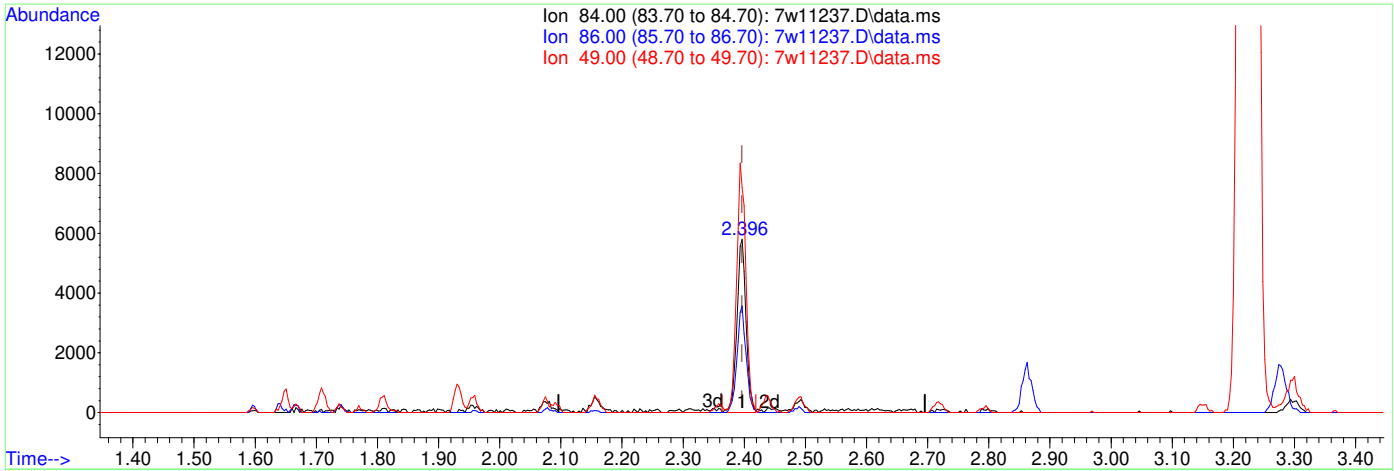
response 6163

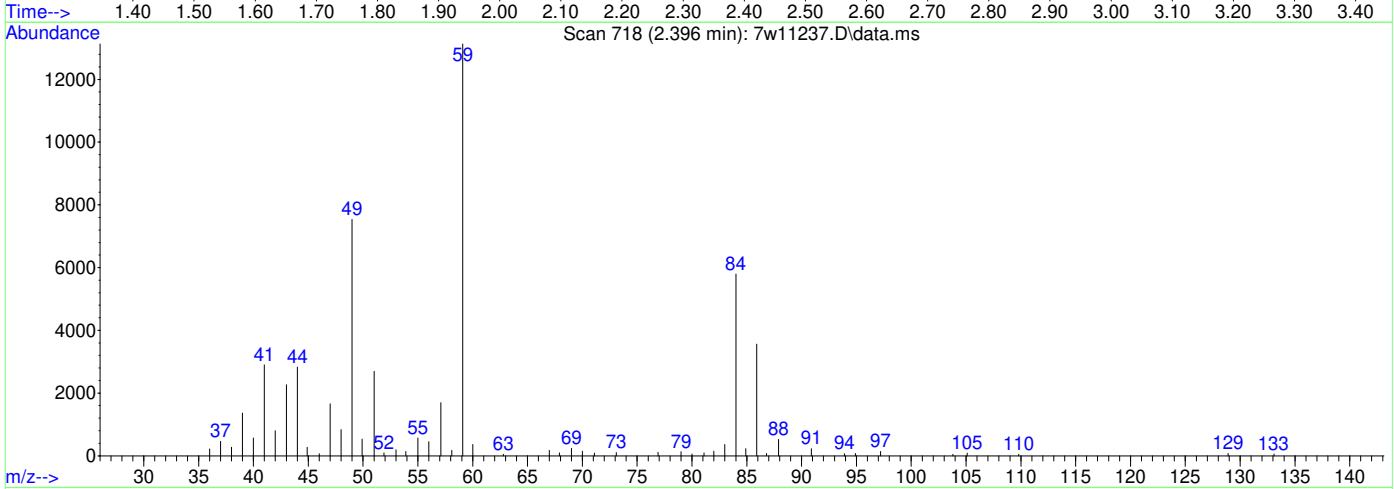
Ion	Exp%	Act%
84.00	100	100
86.00	65.70	59.99
49.00	148.40	145.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.66PPBV m

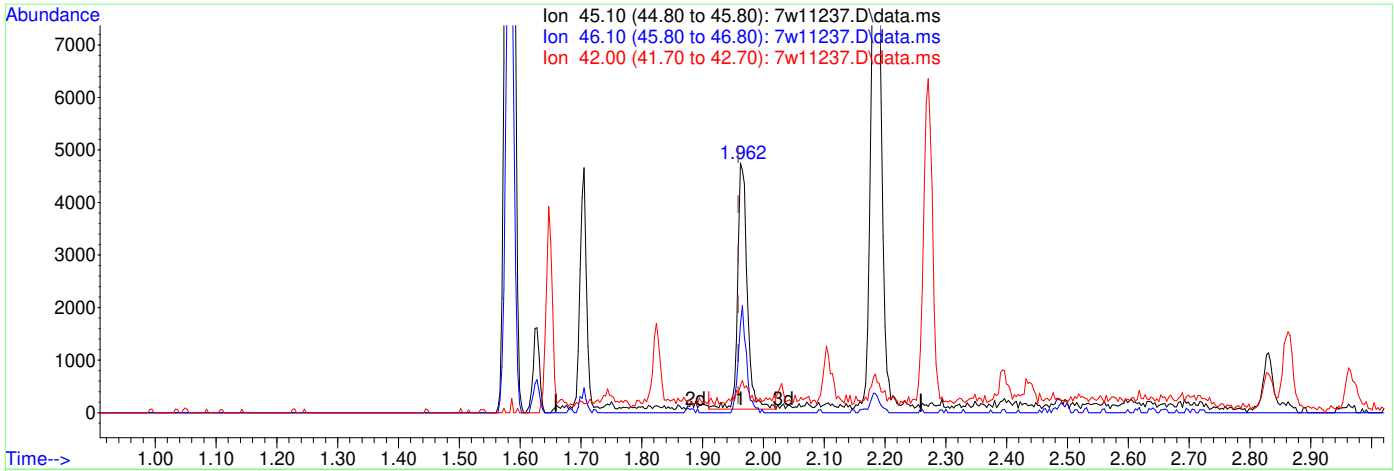
response 6063

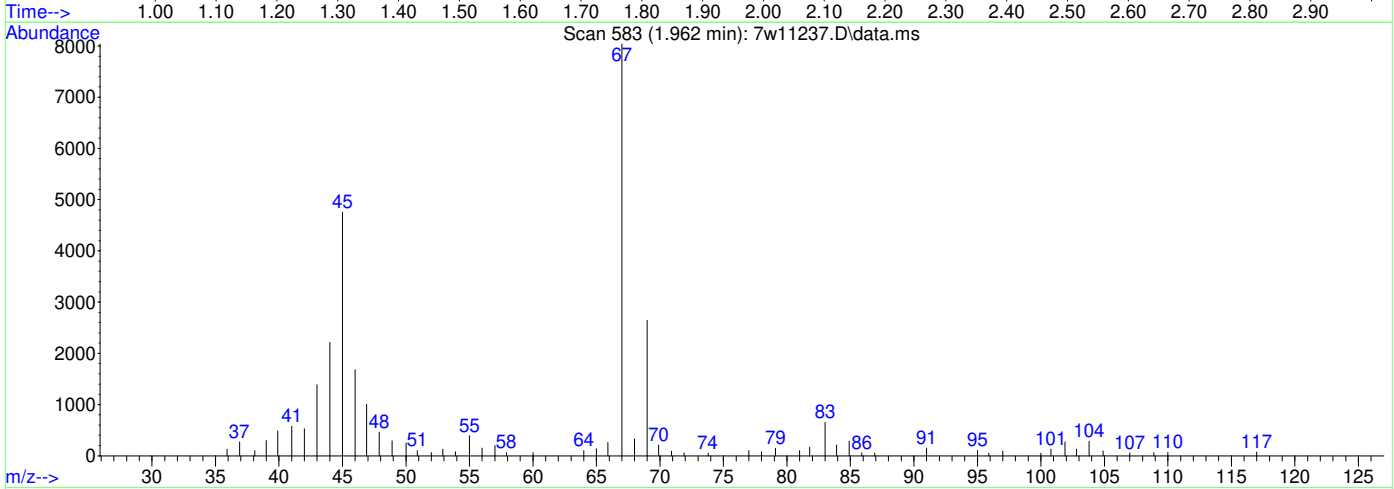
Ion	Exp%	Act%
84.00	100	100
86.00	65.70	60.98
49.00	148.40	148.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.84PPBV

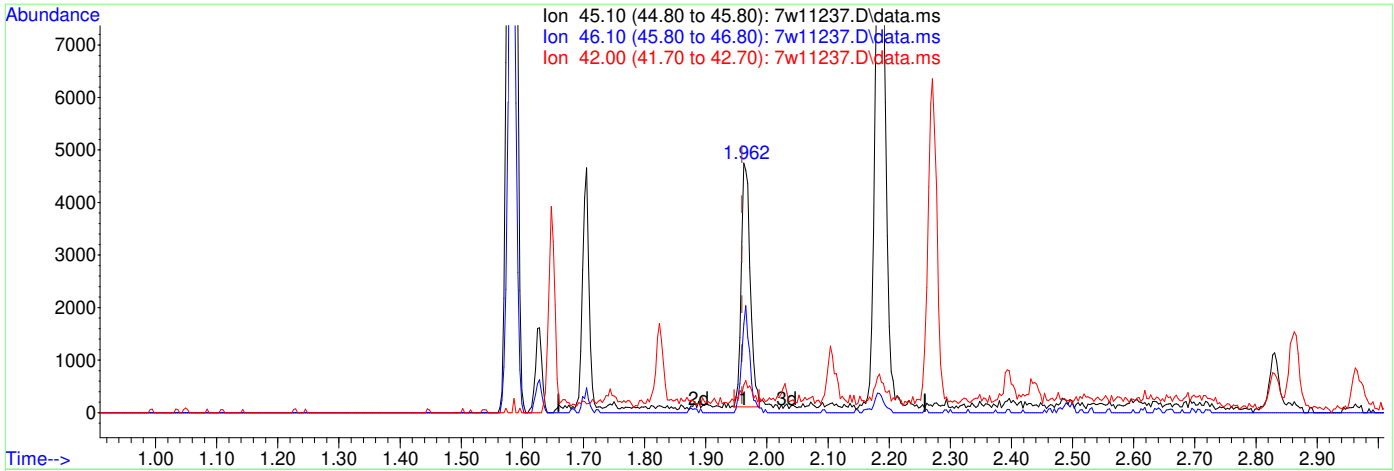
response 5104

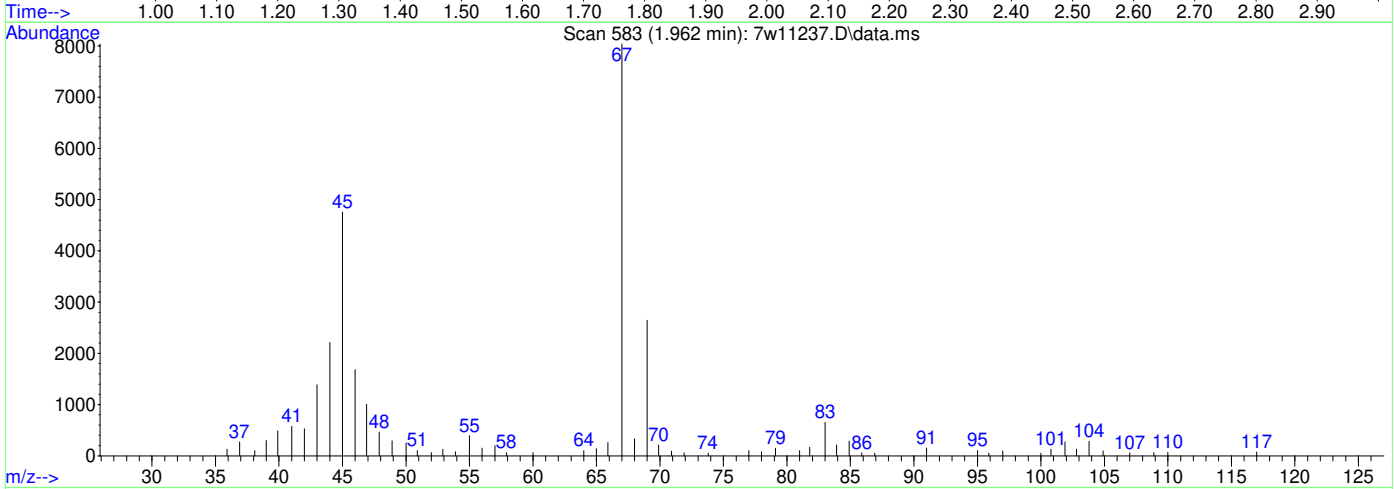
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	36.68
42.00	9.00	13.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.78PPBV m

response 4727

Ion	Exp%	Act%
45.10	100	100
46.10	40.80	39.60
42.00	9.00	14.13#
0.00	0.00	0.00

7W11237.D edits: ETHANOL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	131992	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	667855	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	626654	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131920	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	462248	10.08	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	10064	0.92	PPBV		94
3) FREON 152A	1.628	65	33700	5.21	PPBV		100
4) CHLORODIFLUOROMETHANE	1.641	67	15976	5.06	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	80059	5.13	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.670	85	173239	5.25	PPBV		99
7) PROPYLENE	1.650	41	41238	5.25	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	127875	5.29	PPBV		98
9) FREON 114	1.740	85	144861	5.50	PPBV		99
10) CHLOROMETHANE	1.711	52	15800	5.06	PPBV		96
11) VINYL CHLORIDE	1.773	62	57502	5.10	PPBV		99
12) 1,3-BUTADIENE	1.811	54	43964	5.19	PPBV		97
13) N-BUTANE	1.827	43	81043	5.16	PPBV		99
14) BROMOMETHANE	1.885	94	50054	5.27	PPBV		100
15) CHLOROETHANE	1.933	64	29393	5.09	PPBV		98
16) DICHLOROFLUOROMETHANE	1.959	67	120507	5.21	PPBV		99
17) ACETONITRILE	2.030	41	47324	4.94	PPBV		100
18) ACROLEIN	2.065	56	25829	5.10	PPBV		96
19) FREON 123	2.078	83	127410	5.25	PPBV		99
20) FREON 123A	2.094	117	83554	5.51	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.162	101	156031	5.30	PPBV		99
22) ISOPROPYL ALCOHOL	2.191	45	120912	5.38	PPBV		98
23) ACETONE	2.107	58	31346	5.48	PPBV		99
24) PENTANE	2.274	42	59564	5.29	PPBV		99
25) IODOMETHANE	2.335	142	150640	5.59	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.364	96	56281	5.40	PPBV		97
27) CARBON DISULFIDE	2.496	76	148579	5.14	PPBV		97
28) ETHANOL	1.969	45	36620	6.22	PPBV		99
29) BROMOETHENE	2.036	106	54180	5.33	PPBV		99
30) ACRYLONITRILE	2.245	52	43642	5.65	PPBV		98
31) METHYLENE CHLORIDE	2.400	84	49865	5.35	PPBV		99
32) 3-CHLOROPROPENE	2.441	76	27594	5.21	PPBV		97
33) FREON 113	2.496	151	94391	5.44	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.721	96	59643	5.32	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.396	59	139322	5.10	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.830	73	179162	5.34	PPBV		97
37) TETRAHYDROFURAN	3.518	72	29434	5.26	PPBV		97
38) HEXANE	3.281	57	107163	5.24	PPBV		99
39) VINYL ACETATE	2.866	86	15656	4.82	PPBV		94
40) 1,1-DICHLOROETHANE	2.795	63	112446	5.24	PPBV		99
41) METHYL ETHYL KETONE	2.962	72	31098	5.28	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.152	96	64258	5.22	PPBV		100
43) DIISOPROPYL ETHER	3.284	59	31191	5.39	PPBV		97
44) ETHYL ACETATE	3.290	61	22898	5.46	PPBV		96
45) METHYL ACRYLATE	3.274	55	129647	5.28	PPBV	#	100
46) CHLOROFORM	3.300	83	128139	5.33	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.792	57	123380	5.22	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	138013	5.27	PPBV		99
49) CARBON TETRACHLORIDE	4.287	117	143015	5.07	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.705	62	97467	5.27	PPBV		100
51) BENZENE	4.174	78	184175	5.34	PPBV		100
53) CYCLOHEXANE	4.383	84	81438	5.13	PPBV		98
54) 2,3-DIMETHYLPENTANE	4.634	71	42493	5.21	PPBV		99
55) TRICHLOROETHENE	5.062	95	88289	5.08	PPBV		98
56) 1,2-DICHLOROPROPANE	4.834	63	73869	5.04	PPBV		99
57) DIBROMOMETHANE	4.792	174	75119	4.95	PPBV		99
58) ETHYL ACRYLATE	4.956	55	163994	5.11	PPBV		99
59) BROMODICHLOROMETHANE	5.010	83	141102	4.96	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	343171	5.32	PPBV		99
61) 1,4-DIOXANE	5.116	88	52796	5.80	PPBV	#	63
62) HEPTANE	5.470	43	118231	5.24	PPBV		100
63) METHYL METHACRYLATE	5.370	69	74099	5.29	PPBV		99
64) METHYL ISOBUTYL KETONE	6.116	58	72901	5.68	PPBV		99
65) CIS-1,3-DICHLOROPROPENE	5.991	75	121502	5.04	PPBV		99
66) TOLUENE	7.190	91	236256	5.07	PPBV		100
67) 1,3-DICHLOROPROPANE	7.248	76	116018	5.06	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	106931	4.69	PPBV		99
69) 1,1,2-TRICHLOROETHANE	6.821	83	68331	5.17	PPBV		99
70) 2-HEXANONE	7.801	58	133890	7.43	PPBV		99
71) ETHYL METHACRYLATE	7.898	69	127278	5.21	PPBV		95
72) TETRACHLOROETHENE	8.911	164	96143	5.35	PPBV		99
73) DIBROMOCHLOROMETHANE	7.721	129	138711	4.71	PPBV		100
74) 1,2-DIBROMOETHANE	8.058	107	131144	5.20	PPBV		100
75) OCTANE	9.062	43	163300	5.13	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	10.120	131	106207	5.07	PPBV		99
78) CHLOROBENZENE	10.110	112	195164	5.17	PPBV		99
79) ETHYLBENZENE	10.991	91	318088	5.28	PPBV		100
80) M,P-XYLENE	11.412	91	497734	10.31	PPBV		98
81) O-XYLENE	12.348	91	254047	5.25	PPBV		99
82) STYRENE	12.136	104	193679	5.16	PPBV		99
83) NONANE	13.470	43	175616	5.23	PPBV		99
84) BROMOFORM	11.226	173	124504	4.75	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	175404	5.22	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	12.644	75	139660	5.10	PPBV		100
88) ISOPROPYLBENZENE	13.856	120	98143	5.06	PPBV		97
89) BROMOBENZENE	13.724	77	176709	4.96	PPBV		99
90) 2-CHLOROTOLUENE	14.856	126	88415	4.88	PPBV		99
91) N-PROPYLBENZENE	15.193	120	103410	5.07	PPBV		100
92) 4-ETHYLTOLUENE	15.640	105	367789	5.15	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	310860	5.20	PPBV		100
94) ALPHA-METHYLSTYRENE	16.212	118	154089	4.85	PPBV		99
95) TERT-BUTYLBENZENE	16.528	134	76413	5.38	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	317907	5.29	PPBV		100
97) BENZYL CHLORIDE	16.627	91	263588	4.58	PPBV		100
98) M-DICHLOROBENZENE	16.598	146	201910	4.83	PPBV		100
99) P-DICHLOROBENZENE	16.692	146	204152	5.04	PPBV		99
100) O-DICHLOROBENZENE	17.010	146	192317	4.98	PPBV		99
101) SEC-BUTYLBENZENE	16.839	134	95434	5.29	PPBV		99
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	305447	5.07	PPBV		100
103) P-ISOPROPYLTOLUENE	17.032	134	104354	5.27	PPBV		100
104) N-BUTYLBENZENE	17.396	134	101938	5.14	PPBV		99
105) HEXACHLOROETHANE	17.576	117	121825	4.99	PPBV		99
106) HEXACHLOROBUTADIENE	18.634	225	147583	5.03	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.322	180	175966	4.63	PPBV		100
108) NAPHTHALENE	18.370	128	372235	4.46	PPBV		100
110) TVHC as equiv Pentane	2.274	TIC	296961	5.41	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

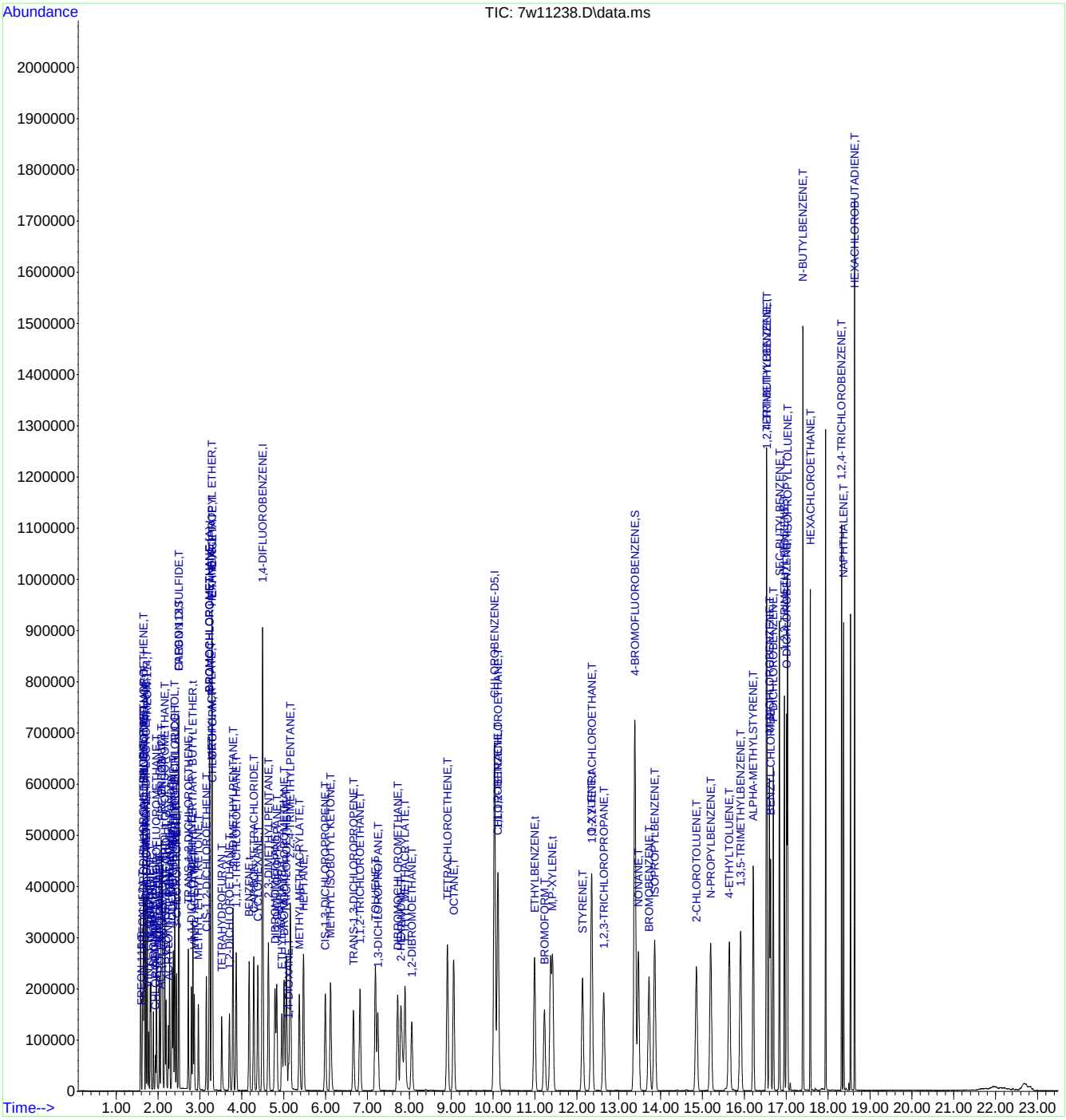
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	131378	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	659033	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	616113	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	131378	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	447162	10.73	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	159197	74.09	PPBV		90
3) FREON 152A	1.625	65	70619	11.74	PPBV		87
4) CHLORODIFLUOROMETHANE	1.638	67	34075	14.82	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.651	116	169558	10.01	PPBV	#	55
6) DICHLORODIFLUOROMETHANE	1.663	85	361796	7.33	PPBV		97
7) PROPYLENE	1.647	41	87865	8.50	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	266833	7.04	PPBV		97
9) FREON 114	1.737	85	300840	8.01	PPBV		92
10) CHLOROMETHANE	1.708	52	33563	7.85	PPBV		94
11) VINYL CHLORIDE	1.769	62	119055	8.61	PPBV		97
12) 1,3-BUTADIENE	1.808	54	94033	8.95	PPBV	#	80
13) N-BUTANE	1.824	43	174592	7.87	PPBV		97
14) BROMOMETHANE	1.882	94	103381	7.11	PPBV		99
15) CHLOROETHANE	1.930	64	61993	8.71	PPBV		95
16) DICHLOROFLUOROMETHANE	1.956	67	253114	7.73	PPBV		97
17) ACETONITRILE	2.023	41	99368	6.46	PPBV		98
18) ACROLEIN	2.062	56	53905	7.69	PPBV		100
19) FREON 123	2.075	83	265342	7.41	PPBV		97
20) FREON 123A	2.091	117	174347	7.60	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.155	101	327408	6.55	PPBV		100
22) ISOPROPYL ALCOHOL	2.175	45	247379	7.31	PPBV		96
23) ACETONE	2.101	58	61121	7.39	PPBV		73
24) PENTANE	2.271	42	126473	7.40	PPBV		95
25) IODOMETHANE	2.332	142	309671	7.54	PPBV		85
26) 1,1-DICHLOROETHYLENE	2.358	96	115617	7.71	PPBV		91
27) CARBON DISULFIDE	2.493	76	317177	9.43	PPBV	#	89
28) ETHANOL	1.959	45	62292	5.92	PPBV		99
29) BROMOETHENE	2.030	106	112928	7.39	PPBV		96
30) ACRYLONITRILE	2.239	52	88292	8.10	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	101654	7.33	PPBV		99
32) 3-CHLOROPROPENE	2.435	76	57302	8.22	PPBV		79
33) FREON 113	2.490	151	193605	6.66	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.718	96	121649	7.89	PPBV		82
35) TERTIARY BUTYL ALCOHOL	2.374	59	282192	7.69	PPBV		93
36) METHYL TERTIARY BUTYL ...	2.824	73	375375	11.26	PPBV		96
37) TETRAHYDROFURAN	3.506	72	60165	8.30	PPBV		99
38) HEXANE	3.274	57	225309	9.57	PPBV		99
39) VINYL ACETATE	2.859	86	34415	8.74	PPBV		87
40) 1,1-DICHLOROETHANE	2.792	63	238292	11.30	PPBV		98
41) METHYL ETHYL KETONE	2.956	72	65627	8.91	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.149	96	136752	8.67	PPBV	#	78
43) DIISOPROPYL ETHER	3.281	59	65052	9.34	PPBV		86
44) ETHYL ACETATE	3.284	61	47399	8.74	PPBV		89
45) METHYL ACRYLATE	3.271	55	274676	9.87	PPBV	#	98
46) CHLOROFORM	3.297	83	272447	9.74	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	264908	10.43	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.863	97	291408	11.12	PPBV	#	100
49) CARBON TETRACHLORIDE	4.281	117	312176	12.66	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	207916	14.06	PPBV	#	96
51) BENZENE	4.171	78	391264	8.99	PPBV		89
53) CYCLOHEXANE	4.377	84	176001	9.71	PPBV		86
54) 2,3-DIMETHYLPENTANE	4.631	71	90898	9.87	PPBV		87
55) TRICHLOROETHENE	5.062	95	186075	9.84	PPBV		89
56) 1,2-DICHLOROPROPANE	4.827	63	156355	10.04	PPBV		92
57) DIBROMOMETHANE	4.789	174	163006	10.89	PPBV		88
58) ETHYL ACRYLATE	4.949	55	347446	10.77	PPBV		97
59) BROMODICHLOROMETHANE	5.007	83	305589	11.32	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.155	57	711259	10.97	PPBV		97
61) 1,4-DIOXANE	5.078	88	98611	8.03	PPBV		86
62) HEPTANE	5.467	43	252921	10.32	PPBV		98
63) METHYL METHACRYLATE	5.367	69	155284	10.18	PPBV		95
64) METHYL ISOBUTYL KETONE	6.094	58	141262	9.65	PPBV		92
65) CIS-1,3-DICHLOROPROPENE	5.988	75	260974	11.14	PPBV		92
66) TOLUENE	7.190	91	501403	9.17	PPBV		98
67) 1,3-DICHLOROPROPANE	7.245	76	248146	10.14	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	233274	11.52	PPBV		96
69) 1,1,2-TRICHLOROETHANE	6.821	83	143467	9.13	PPBV		96
70) 2-HEXANONE	7.756	58	195827	9.35	PPBV		95
71) ETHYL METHACRYLATE	7.888	69	260347	9.94	PPBV		98
72) TETRACHLOROETHENE	8.907	164	198985	11.49	PPBV		96
73) DIBROMOCHLOROMETHANE	7.721	129	308021	12.06	PPBV		100
74) 1,2-DIBROMOETHANE	8.055	107	281582	10.52	PPBV		99
75) OCTANE	9.059	43	351937	10.13	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	10.120	131	230902	11.97	PPBV		97
78) CHLOROBENZENE	10.110	112	416067	9.97	PPBV		97
79) ETHYLBENZENE	10.988	91	677850	9.63	PPBV		99
80) M,P-XYLENE	11.419	91	1056677	19.39	PPBV		96
81) O-XYLENE	12.345	91	537862	9.76	PPBV		99
82) STYRENE	12.132	104	417847	9.89	PPBV		94
83) NONANE	13.470	43	371464	9.82	PPBV		89
84) BROMOFORM	11.226	173	280283	12.71	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	374106	8.64	PPBV	#	97
86) 1,2,3-TRICHLOROPROPANE	12.640	75	296227	10.40	PPBV		100
88) ISOPROPYLBENZENE	13.859	120	209134	9.89	PPBV		98
89) BROMOBENZENE	13.721	77	377278	10.25	PPBV		99
90) 2-CHLOROTOLUENE	14.849	126	189709	10.34	PPBV		100
91) N-PROPYLBENZENE	15.197	120	218536	10.09	PPBV		98
92) 4-ETHYLTOLUENE	15.640	105	780911	9.78	PPBV		96
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	651438	10.03	PPBV		97
94) ALPHA-METHYLSTYRENE	16.213	118	327935	9.46	PPBV		98
95) TERT-BUTYLBENZENE	16.528	134	157884	10.20	PPBV		88
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	662762	9.43	PPBV		94
97) BENZYL CHLORIDE	16.627	91	587334	9.57	PPBV	#	93
98) M-DICHLOROBENZENE	16.598	146	434222	9.56	PPBV	#	100
99) P-DICHLOROBENZENE	16.692	146	438983	9.89	PPBV		98
100) O-DICHLOROBENZENE	17.007	146	411459	9.52	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	198439	9.99	PPBV	#	1
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	642624	9.11	PPBV		97
103) P-ISOPROPYLTOLUENE	17.029	134	216933	9.81	PPBV	#	100
104) N-BUTYLBENZENE	17.393	134	214010	9.26	PPBV	#	1
105) HEXACHLOROETHANE	17.573	117	268359	10.15	PPBV		95
106) HEXACHLOROBUTADIENE	18.631	225	315642	11.07	PPBV	#	1
107) 1,2,4-TRICHLOROBENZENE	18.319	180	394080	10.00	PPBV		99
108) NAPHTHALENE	18.367	128	863409	10.22	PPBV		100
110) TVHC as equiv Pentane	2.271	TIC	604399	7.36	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

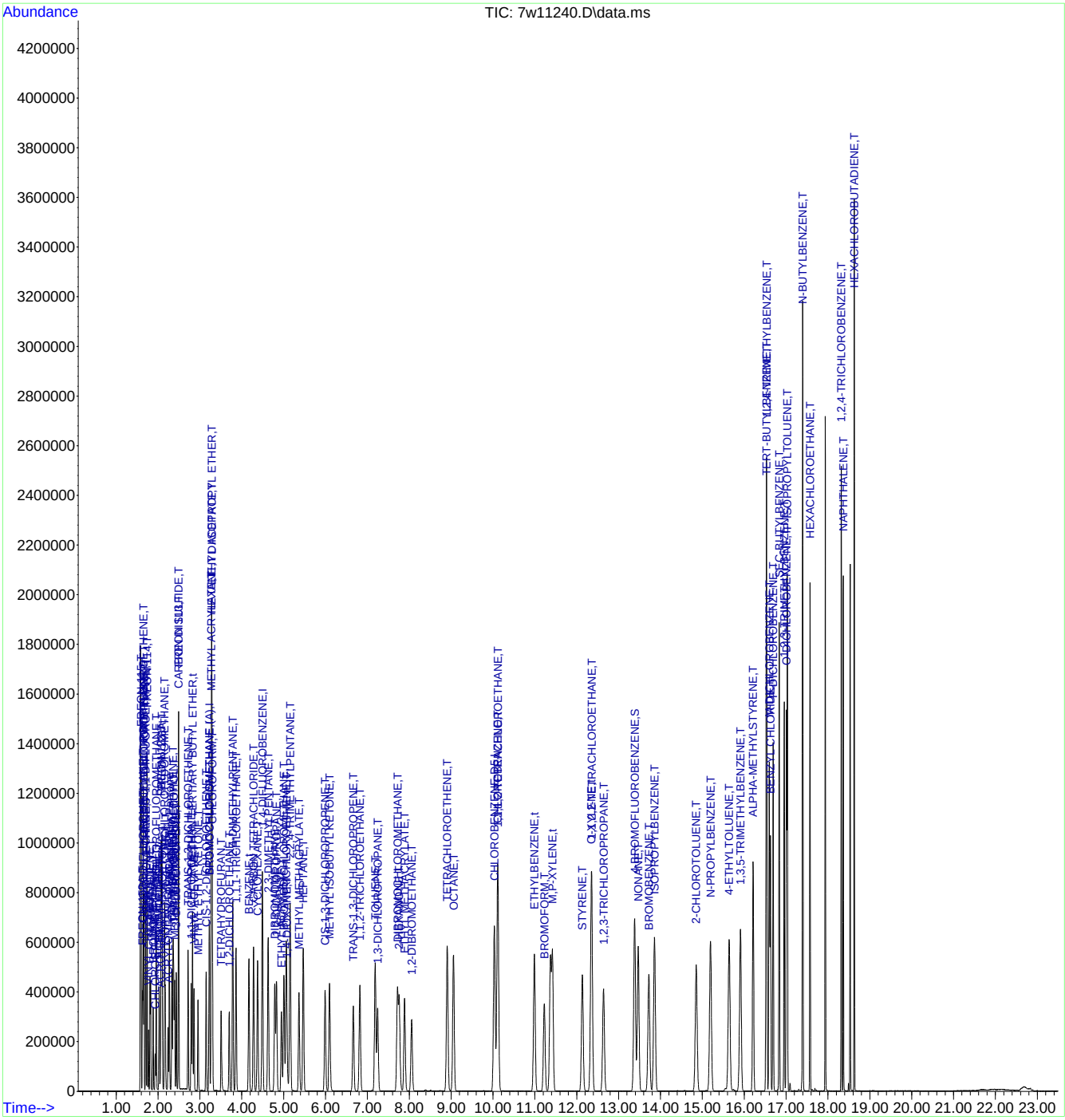
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	126854	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	638427	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	603108	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	126854	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	441368	10.06	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	306896	26.40	PPBV		99
3) FREON 152A	1.625	65	138617	22.37	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	66594	22.10	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	326020	21.56	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.667	85	699867	22.02	PPBV		100
7) PROPYLENE	1.647	41	169555	22.33	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	512499	21.75	PPBV		100
9) FREON 114	1.737	85	580240	22.76	PPBV		100
10) CHLOROMETHANE	1.708	52	64518	21.24	PPBV		99
11) VINYL CHLORIDE	1.769	62	232906	21.63	PPBV		99
12) 1,3-BUTADIENE	1.808	54	182551	22.51	PPBV		99
13) N-BUTANE	1.824	43	338097	22.35	PPBV		100
14) BROMOMETHANE	1.882	94	198021	21.52	PPBV		100
15) CHLOROETHANE	1.930	64	118969	21.35	PPBV		99
16) DICHLOROFLUOROMETHANE	1.956	67	488646	21.83	PPBV		100
17) ACETONITRILE	2.023	41	192313	21.06	PPBV		99
18) ACROLEIN	2.062	56	106570	22.10	PPBV		99
19) FREON 123	2.075	83	511901	21.82	PPBV		100
20) FREON 123A	2.094	117	333208	22.49	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.159	101	623390	21.54	PPBV		99
22) ISOPROPYL ALCOHOL	2.171	45	473419	21.61	PPBV		100
23) ACETONE	2.101	58	117725	21.30	PPBV		98
24) PENTANE	2.271	42	244309	22.30	PPBV		100
25) IODOMETHANE	2.332	142	591604	22.44	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	221667	21.84	PPBV		100
27) CARBON DISULFIDE	2.493	76	613010	21.98	PPBV		99
28) ETHANOL	1.959	45	118748	20.62	PPBV		100
29) BROMOETHENE	2.033	106	214598	21.70	PPBV		99
30) ACRYLONITRILE	2.242	52	169494	22.65	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	194495	21.35	PPBV		97
32) 3-CHLOROPROPENE	2.438	76	110765	21.67	PPBV		99
33) FREON 113	2.493	151	367709	21.49	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	235716	21.81	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	539655	20.14	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.824	73	723428	22.26	PPBV		100
37) TETRAHYDROFURAN	3.506	72	117493	21.83	PPBV		98
38) HEXANE	3.277	57	430909	21.67	PPBV		99
39) VINYL ACETATE	2.859	86	67826	22.25	PPBV		97
40) 1,1-DICHLOROETHANE	2.792	63	457937	22.05	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	126630	22.17	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.149	96	263112	22.01	PPBV		99
43) DIISOPROPYL ETHER	3.281	59	125352	22.33	PPBV		99
44) ETHYL ACETATE	3.284	61	89942	21.78	PPBV		97
45) METHYL ACRYLATE	3.271	55	529034	22.22	PPBV	#	100
46) CHLOROFORM	3.300	83	516462	21.80	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.785	57	506373	22.17	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.863	97	564470	22.35	PPBV		100
49) CARBON TETRACHLORIDE	4.281	117	609663	22.69	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	402638	22.56	PPBV	99
51) BENZENE	4.171	78	755006	22.64	PPBV	100
53) CYCLOHEXANE	4.377	84	339869	22.43	PPBV	99
54) 2,3-DIMETHYLPENTANE	4.631	71	174649	22.38	PPBV	100
55) TRICHLOROETHENE	5.062	95	359704	21.51	PPBV	100
56) 1,2-DICHLOROPROPANE	4.830	63	303407	21.63	PPBV	100
57) DIBROMOMETHANE	4.789	174	312992	21.48	PPBV	100
58) ETHYL ACRYLATE	4.946	55	676723	22.37	PPBV	100
59) BROMODICHLOROMETHANE	5.007	83	587425	21.65	PPBV	100
60) 2,2,4-TRIMETHYLPENTANE	5.155	57	1375032	22.23	PPBV	100
61) 1,4-DIOXANE	5.072	88	186784	20.95	PPBV	98
62) HEPTANE	5.470	43	488300	22.76	PPBV	100
63) METHYL METHACRYLATE	5.367	69	299512	22.42	PPBV	99
64) METHYL ISOBUTYL KETONE	6.094	58	271987	22.01	PPBV	99
65) CIS-1,3-DICHLOROPROPENE	5.991	75	507797	22.32	PPBV	100
66) TOLUENE	7.190	91	973750	22.00	PPBV	100
67) 1,3-DICHLOROPROPANE	7.248	76	478931	21.95	PPBV	99
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	458798	21.61	PPBV	99
69) 1,1,2-TRICHLOROETHANE	6.824	83	278027	22.03	PPBV	100
70) 2-HEXANONE	7.760	58	377518	21.81	PPBV	99
71) ETHYL METHACRYLATE	7.891	69	506129	21.83	PPBV	100
72) TETRACHLOROETHENE	8.911	164	383020	22.40	PPBV	99
73) DIBROMOCHLOROMETHANE	7.721	129	613995	22.67	PPBV	100
74) 1,2-DIBROMOETHANE	8.062	107	545593	22.79	PPBV	99
75) OCTANE	9.059	43	685319	22.86	PPBV	100
77) 1,1,1,2-TETRACHLOROETHANE	10.126	131	451908	22.41	PPBV	100
78) CHLOROBENZENE	10.113	112	814457	22.39	PPBV	100
79) ETHYLBENZENE	10.991	91	1320164	22.74	PPBV	100
80) M,P-XYLENE	11.422	91	2058784	44.15	PPBV	97
81) O-XYLENE	12.351	91	1048912	22.42	PPBV	100
82) STYRENE	12.136	104	820877	23.04	PPBV	100
83) NONANE	13.476	43	726869	22.53	PPBV	100
84) BROMOFORM	11.229	173	563890	23.16	PPBV	100
85) 1,1,2,2-TETRACHLOROETHANE	12.364	83	732603	22.70	PPBV	100
86) 1,2,3-TRICHLOROPROPANE	12.644	75	576776	21.83	PPBV	100
88) ISOPROPYLBENZENE	13.859	120	409277	21.93	PPBV	100
89) BROMOBENZENE	13.727	77	739407	21.57	PPBV	99
90) 2-CHLOROTOLUENE	14.859	126	371222	21.39	PPBV	100
91) N-PROPYLBENZENE	15.200	120	428493	21.98	PPBV	100
92) 4-ETHYLTOLUENE	15.643	105	1547675	23.00	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	15.917	105	1290766	22.94	PPBV	100
94) ALPHA-METHYLSTYRENE	16.216	118	655690	22.20	PPBV	100
95) TERT-BUTYLBENZENE	16.531	134	310716	22.85	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	16.541	105	1317303	23.21	PPBV	100
97) BENZYL CHLORIDE	16.631	91	1195390	22.98	PPBV	100
98) M-DICHLOROBENZENE	16.602	146	866695	22.10	PPBV	100
99) P-DICHLOROBENZENE	16.695	146	880704	23.27	PPBV	99
100) O-DICHLOROBENZENE	17.010	146	820370	22.71	PPBV	100
101) SEC-BUTYLBENZENE	16.840	134	391899	22.95	PPBV	99
102) 1,2,3-TRIMETHYLBENZENE	16.959	105	1280395	22.70	PPBV	100
103) P-ISOPROPYLTOLUENE	17.032	134	426177	22.64	PPBV	99
104) N-BUTYLBENZENE	17.396	134	426836	23.04	PPBV	99
105) HEXACHLOROETHANE	17.573	117	540620	23.91	PPBV	100
106) HEXACHLOROBUTADIENE	18.634	225	657155	24.71	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.322	180	830811	25.23	PPBV	100
108) NAPHTHALENE	18.370	128	1764884	24.88	PPBV	100
110) TVHC as equiv Pentane	2.271	TIC	1194978	22.35	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

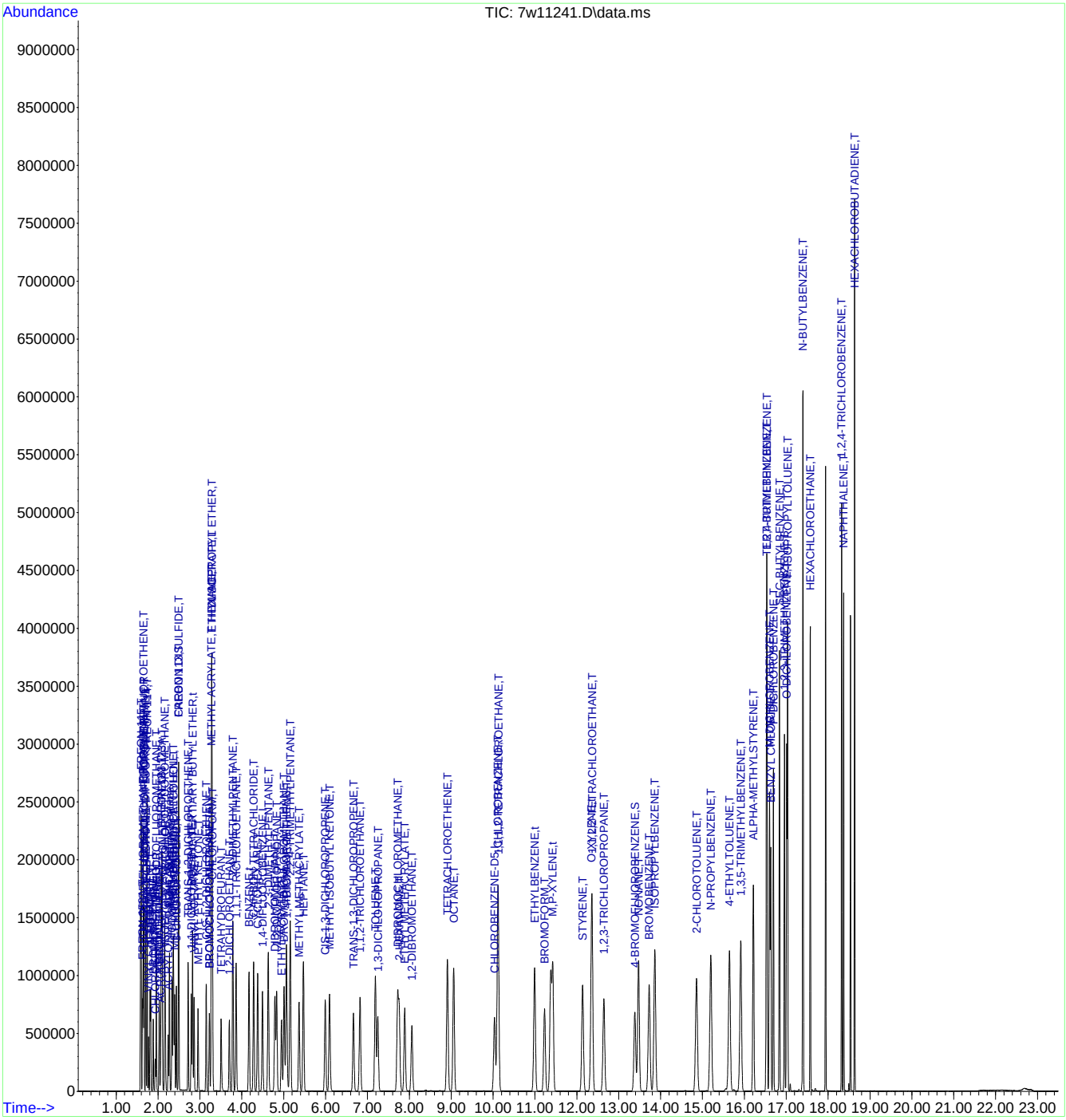
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	128392	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	638040	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	608914	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	128392	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	448477	10.10	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	78301	6.17	PPBV		99
3) FREON 152A	1.628	65	271083	42.58	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	132367	42.80	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	640501	41.48	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.667	85	1369137	42.02	PPBV		99
7) PROPYLENE	1.647	41	334942	43.23	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	992525	41.26	PPBV		99
9) FREON 114	1.737	85	1128910	43.25	PPBV		100
10) CHLOROMETHANE	1.708	52	126447	40.84	PPBV		99
11) VINYL CHLORIDE	1.770	62	457248	41.26	PPBV		99
12) 1,3-BUTADIENE	1.808	54	359850	43.23	PPBV		98
13) N-BUTANE	1.824	43	664309	42.89	PPBV		100
14) BROMOMETHANE	1.882	94	388703	41.40	PPBV		99
15) CHLOROETHANE	1.930	64	234917	41.29	PPBV		98
16) DICHLOROFLUOROMETHANE	1.956	67	953303	41.67	PPBV		99
17) ACETONITRILE	2.024	41	382342	40.79	PPBV		99
18) ACROLEIN	2.062	56	210760	42.45	PPBV		98
19) FREON 123	2.075	83	1007587	42.03	PPBV		99
20) FREON 123A	2.094	117	645065	42.70	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.159	101	1198641	40.71	PPBV		99
22) ISOPROPYL ALCOHOL	2.171	45	919602	41.21	PPBV		99
23) ACETONE	2.101	58	229086	40.49	PPBV		96
24) PENTANE	2.271	42	476107	42.62	PPBV		99
25) IODOMETHANE	2.332	142	1141436	42.49	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	433522	41.91	PPBV		98
27) CARBON DISULFIDE	2.493	76	1199868	41.99	PPBV		98
28) ETHANOL	1.959	45	231131	39.51	PPBV		99
29) BROMOETHENE	2.033	106	418405	41.48	PPBV		99
30) ACRYLONITRILE	2.242	52	329828	43.13	PPBV		98
31) METHYLENE CHLORIDE	2.397	84	377713	40.74	PPBV		99
32) 3-CHLOROPROPENE	2.438	76	216809	41.46	PPBV		98
33) FREON 113	2.493	151	702415	40.38	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	459126	41.44	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	1038619	38.07	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.824	73	1408890	42.40	PPBV		99
37) TETRAHYDROFURAN	3.503	72	230020	41.68	PPBV		98
38) HEXANE	3.278	57	841035	41.48	PPBV		99
39) VINYL ACETATE	2.860	86	135381	42.88	PPBV		96
40) 1,1-DICHLOROETHANE	2.792	63	894939	42.15	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	247507	42.44	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.152	96	508963	41.67	PPBV		98
43) DIISOPROPYL ETHER	3.281	59	242060	42.13	PPBV		100
44) ETHYL ACETATE	3.287	61	173891	41.49	PPBV		97
45) METHYL ACRYLATE	3.271	55	1030168	42.35	PPBV	#	100
46) CHLOROFORM	3.300	83	994566	41.35	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.786	57	995716	42.70	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	1104833	42.73	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	1201848	43.46	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	62	786023	43.02	PPBV	100
51)	BENZENE	4.171	78	1476843	43.33	PPBV	100
53)	CYCLOHEXANE	4.380	84	660333	43.05	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	342659	43.55	PPBV	99
55)	TRICHLOROETHENE	5.065	95	697734	41.42	PPBV	100
56)	1,2-DICHLOROPROPANE	4.834	63	592598	41.86	PPBV	100
57)	DIBROMOMETHANE	4.792	174	613694	41.83	PPBV	100
58)	ETHYL ACRYLATE	4.953	55	1336385	43.54	PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1156711	42.23	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	2680756	42.95	PPBV	100
61)	1,4-DIOXANE	5.072	88	360357	40.48	PPBV	97
62)	HEPTANE	5.474	43	959929	44.25	PPBV	100
63)	METHYL METHACRYLATE	5.367	69	588562	43.68	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.094	58	531405	42.76	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	1007886	43.71	PPBV	100
66)	TOLUENE	7.194	91	1917193	42.81	PPBV	99
67)	1,3-DICHLOROPROPANE	7.252	76	942161	42.70	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.670	75	919599	42.50	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	546179	42.88	PPBV	100
70)	2-HEXANONE	7.760	58	734508	42.06	PPBV	98
71)	ETHYL METHACRYLATE	7.898	69	990940	42.20	PPBV	99
72)	TETRACHLOROETHENE	8.914	164	760618	44.10	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.724	129	1226800	44.15	PPBV	100
74)	1,2-DIBROMOETHANE	8.068	107	1076666	44.47	PPBV	100
75)	OCTANE	9.065	43	1356937	44.57	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.133	131	890891	43.21	PPBV	99
78)	CHLOROBENZENE	10.120	112	1599753	43.04	PPBV	99
79)	ETHYLBENZENE	10.997	91	2611736	44.06	PPBV	99
80)	M,P-XYLENE	11.428	91	4059078	85.31	PPBV	97
81)	O-XYLENE	12.358	91	2063787	43.28	PPBV	99
82)	STYRENE	12.145	104	1646434	45.06	PPBV	99
83)	NONANE	13.483	43	1444945	43.88	PPBV	99
84)	BROMOFORM	11.239	173	1131928	44.81	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.377	83	1439647	43.59	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.653	75	1138740	42.27	PPBV	100
88)	ISOPROPYLBENZENE	13.872	120	810452	42.53	PPBV	99
89)	BROMOBENZENE	13.737	77	1459071	41.64	PPBV	100
90)	2-CHLOROTOLUENE	14.865	126	737857	41.58	PPBV	100
91)	N-PROPYLBENZENE	15.206	120	861737	43.25	PPBV	99
92)	4-ETHYLTOLUENE	15.650	105	3111086	44.97	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.927	105	2621466	45.35	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.219	118	1342872	44.04	PPBV	100
95)	TERT-BUTYLBENZENE	16.537	134	619552	44.56	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.547	105	2668790	45.73	PPBV	99
97)	BENZYL CHLORIDE	16.634	91	2480317	45.63	PPBV	100
98)	M-DICHLOROBENZENE	16.608	146	1757061	43.47	PPBV	100
99)	P-DICHLOROBENZENE	16.698	146	1789106	45.79	PPBV	99
100)	O-DICHLOROBENZENE	17.017	146	1669395	44.86	PPBV	100
101)	SEC-BUTYLBENZENE	16.843	134	787041	44.86	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.962	105	2615378	45.01	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.036	134	851176	44.08	PPBV	99
104)	N-BUTYLBENZENE	17.399	134	867814	45.39	PPBV	99
105)	HEXACHLOROETHANE	17.576	117	1087679	46.31	PPBV	100
106)	HEXACHLOROBUTADIENE	18.634	225	1294963	46.02	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.325	180	1761750	50.35	PPBV	99
108)	NAPHTHALENE	18.373	128	3967394	52.90	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	2326791	42.64	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

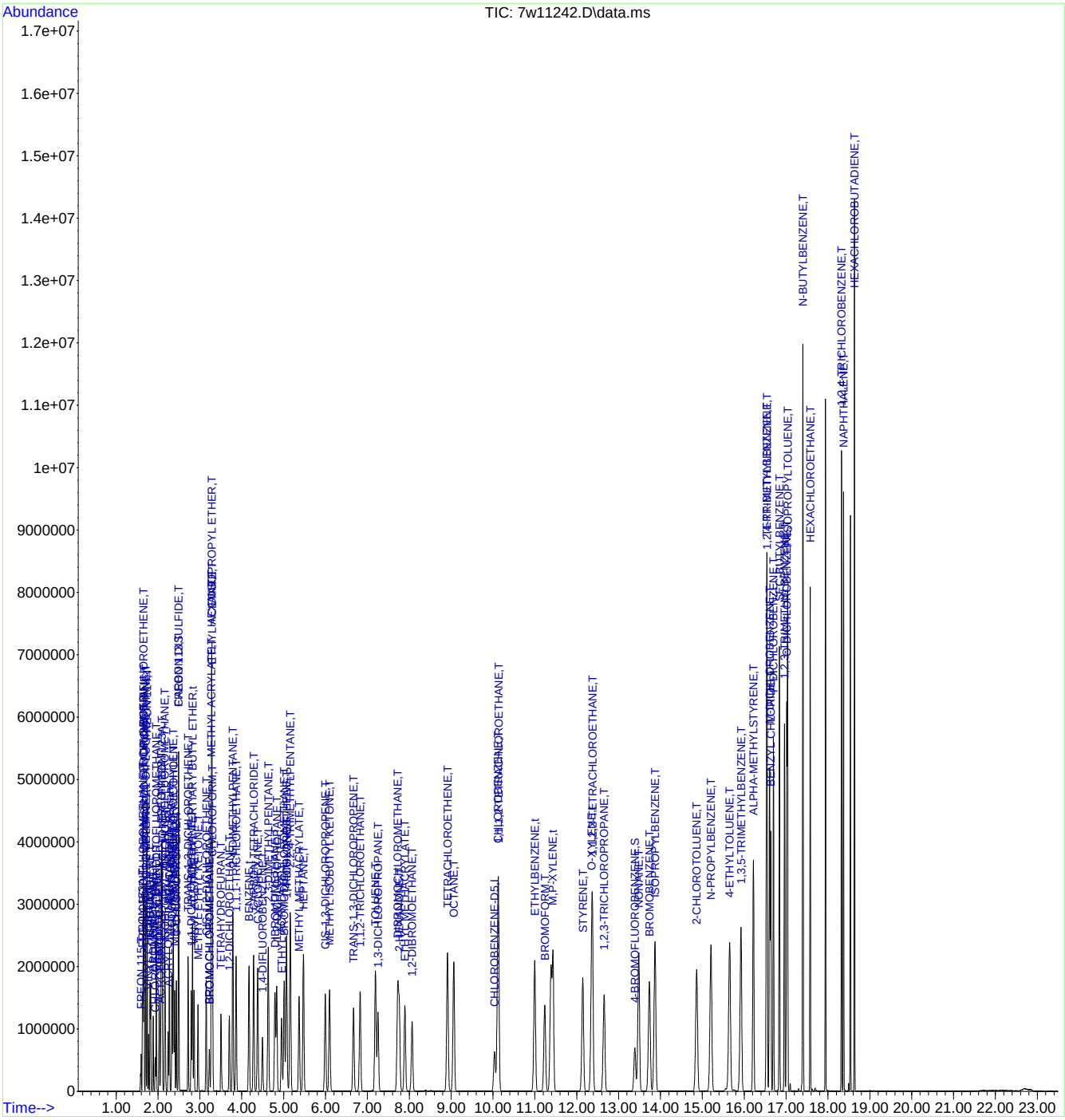
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	131520	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	651140	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	631688	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131506	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.390	95	464012	10.05	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	741705	72.63	PPBV		100
3) FREON 152A	1.628	65	330254	50.71	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	159956	50.37	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	768882	48.76	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.667	85	1645131	49.40	PPBV		99
7) PROPYLENE	1.647	41	405917	51.25	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	1189703	48.61	PPBV		99
9) FREON 114	1.737	85	1353130	50.82	PPBV		100
10) CHLOROMETHANE	1.708	52	152465	48.29	PPBV		98
11) VINYL CHLORIDE	1.770	62	552847	48.68	PPBV		100
12) 1,3-BUTADIENE	1.808	54	438160	51.38	PPBV		98
13) N-BUTANE	1.824	43	801394	50.60	PPBV		99
14) BROMOMETHANE	1.882	94	469518	48.99	PPBV		99
15) CHLOROETHANE	1.930	64	286683	49.28	PPBV		98
16) DICHLOROFLUOROMETHANE	1.956	67	1156192	49.55	PPBV		99
17) ACETONITRILE	2.024	41	464245	48.23	PPBV		99
18) ACROLEIN	2.062	56	255031	50.01	PPBV		99
19) FREON 123	2.075	83	1209864	49.38	PPBV		99
20) FREON 123A	2.094	117	776496	50.55	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.159	101	1437566	48.14	PPBV		100
22) ISOPROPYL ALCOHOL	2.171	45	1119311	49.31	PPBV		99
23) ACETONE	2.101	58	279034	48.35	PPBV		94
24) PENTANE	2.271	42	578759	50.86	PPBV		98
25) IODOMETHANE	2.332	142	1380179	50.59	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	522266	49.55	PPBV		98
27) CARBON DISULFIDE	2.493	76	1448449	49.60	PPBV		97
28) ETHANOL	1.959	45	282775	47.56	PPBV		99
29) BROMOETHENE	2.030	106	504672	49.11	PPBV		99
30) ACRYLONITRILE	2.242	52	403117	51.71	PPBV		99
31) METHYLENE CHLORIDE	2.397	84	457423	48.53	PPBV		99
32) 3-CHLOROPROPENE	2.438	76	264624	49.56	PPBV		96
33) FREON 113	2.493	151	847049	48.11	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	555898	49.15	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	1254686	45.34	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.824	73	1709140	50.45	PPBV		100
37) TETRAHYDROFURAN	3.503	72	279916	49.61	PPBV		99
38) HEXANE	3.277	57	1018882	49.33	PPBV		98
39) VINYL ACETATE	2.863	86	164258	50.40	PPBV		100
40) 1,1-DICHLOROETHANE	2.795	63	1086544	50.15	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	300553	50.53	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.152	96	620942	49.96	PPBV		98
43) DIISOPROPYL ETHER	3.284	59	294295	50.32	PPBV		99
44) ETHYL ACETATE	3.287	61	210312	49.48	PPBV		98
45) METHYL ACRYLATE	3.274	55	1251870	50.49	PPBV	#	100
46) CHLOROFORM	3.303	83	1199986	49.23	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.789	57	1214203	50.98	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	1336098	50.59	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	1464922	51.64	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.705	62	955960	51.25	PPBV	100
51)	BENZENE	4.175	78	1792719	51.55	PPBV	100
53)	CYCLOHEXANE	4.380	84	802582	51.32	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	416634	51.90	PPBV	99
55)	TRICHLOROETHENE	5.068	95	847031	49.44	PPBV	100
56)	1,2-DICHLOROPROPANE	4.837	63	718356	49.76	PPBV	100
57)	DIBROMOMETHANE	4.795	174	746491	49.91	PPBV	100
58)	ETHYL ACRYLATE	4.953	55	1632310	51.89	PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1408411	50.31	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.162	57	3257100	51.21	PPBV	100
61)	1,4-DIOXANE	5.075	88	440803	48.96	PPBV	97
62)	HEPTANE	5.474	43	1173841	52.95	PPBV	100
63)	METHYL METHACRYLATE	5.371	69	720078	52.34	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.101	58	647296	51.17	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.998	75	1227694	51.89	PPBV	99
66)	TOLUENE	7.197	91	2335761	50.98	PPBV	99
67)	1,3-DICHLOROPROPANE	7.258	76	1144657	50.75	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.673	75	1120807	50.23	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	664842	51.12	PPBV	100
70)	2-HEXANONE	7.766	58	885743	49.80	PPBV	99
71)	ETHYL METHACRYLATE	7.901	69	1209704	50.42	PPBV	99
72)	TETRACHLOROETHENE	8.917	164	924639	52.38	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.724	129	1501535	52.28	PPBV	100
74)	1,2-DIBROMOETHANE	8.075	107	1306005	52.72	PPBV	100
75)	OCTANE	9.068	43	1653400	52.92	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.136	131	1082043	50.59	PPBV	100
78)	CHLOROBENZENE	10.123	112	1946099	50.52	PPBV	99
79)	ETHYLBENZENE	11.001	91	3179194	51.68	PPBV	99
80)	M,P-XYLENE	11.435	91	4921035	99.78	PPBV	98
81)	O-XYLENE	12.361	91	2517379	50.98	PPBV	99
82)	STYRENE	12.149	104	2010092	52.71	PPBV	99
83)	NONANE	13.486	43	1757408	51.36	PPBV	99
84)	BROMOFORM	11.242	173	1393708	52.57	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.380	83	1753514	51.18	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.660	75	1387618	49.69	PPBV	100
88)	ISOPROPYLBENZENE	13.875	120	989751	50.03	PPBV	99
89)	BROMOBENZENE	13.740	77	1780294	48.96	PPBV	100
90)	2-CHLOROTOLUENE	14.872	126	902403	48.90	PPBV	100
91)	N-PROPYLBENZENE	15.209	120	1049686	50.53	PPBV	100
92)	4-ETHYLTOLUENE	15.656	105	3853366	53.27	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.927	105	3207147	52.95	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.226	118	1650946	51.44	PPBV	100
95)	TERT-BUTYLBENZENE	16.537	134	754397	52.14	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.550	105	3224984	52.75	PPBV	99
97)	BENZYL CHLORIDE	16.637	91	3059411	52.97	PPBV	100
98)	M-DICHLOROBENZENE	16.608	146	2144105	50.56	PPBV	100
99)	P-DICHLOROBENZENE	16.701	146	2186003	53.27	PPBV	99
100)	O-DICHLOROBENZENE	17.016	146	2046435	52.38	PPBV	100
101)	SEC-BUTYLBENZENE	16.846	134	958582	52.29	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.965	105	3193608	52.30	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.039	134	1037323	51.52	PPBV	100
104)	N-BUTYLBENZENE	17.402	134	1055468	52.54	PPBV	98
105)	HEXACHLOROETHANE	17.579	117	1337599	54.18	PPBV	99
106)	HEXACHLOROBUTADIENE	18.640	225	1579214	53.23	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.328	180	2214716	58.74	PPBV	99
108)	NAPHTHALENE	18.377	128	5075640	61.94	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	2805792	50.47	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

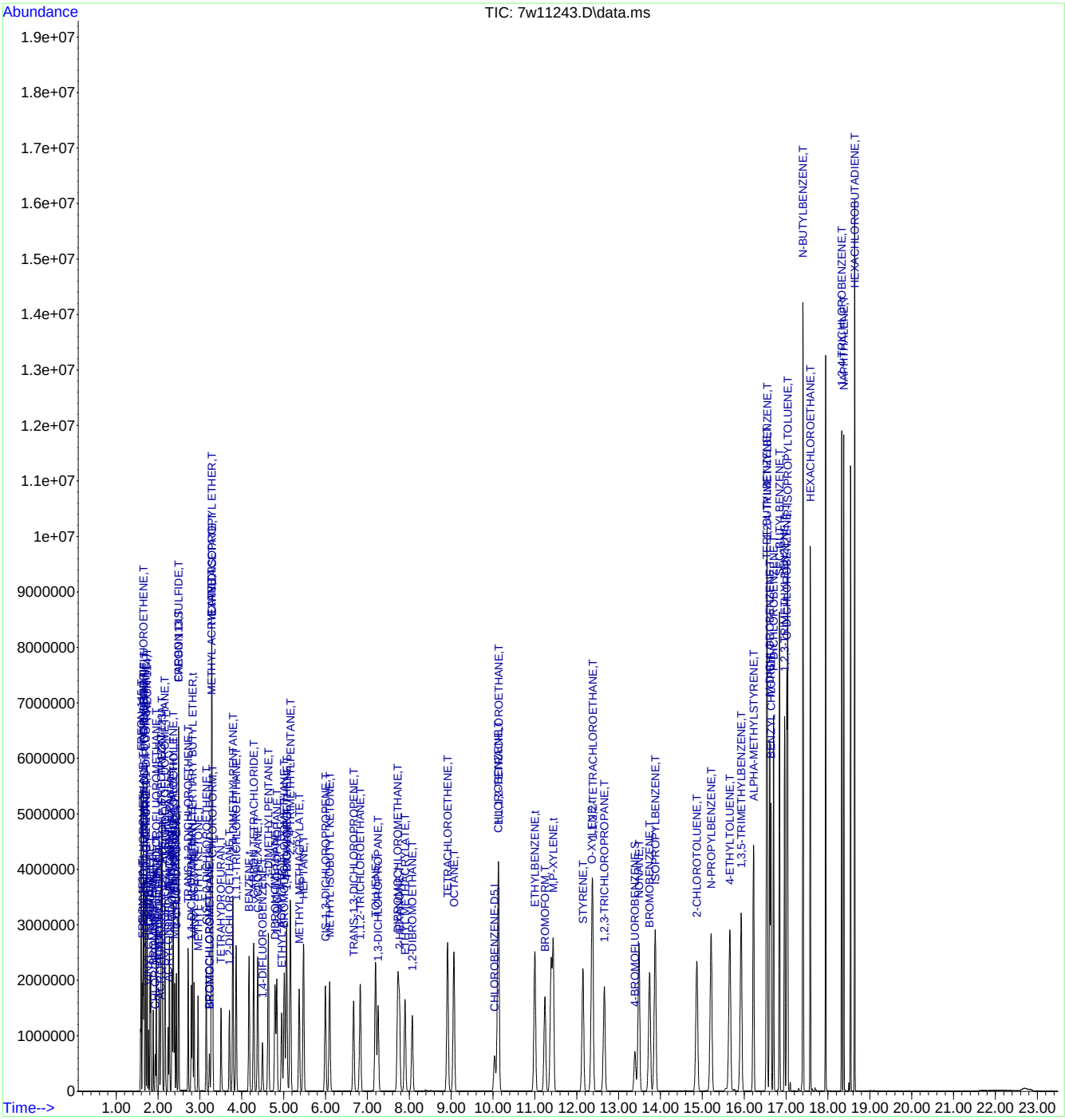
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	128326	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	645131	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	603905	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	128326	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	441032	10.06	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.625	65	70330	11.51	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	34678	11.18	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	167351	11.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.667	85	361530	11.30	PPBV		100
7) PROPYLENE	1.647	41	87750	10.42	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	268830	11.34	PPBV		100
9) FREON 114	1.737	85	299987	11.82	PPBV		100
10) CHLOROMETHANE	1.708	52	32863	9.89	PPBV		98
11) VINYL CHLORIDE	1.770	62	117466	10.94	PPBV		99
12) 1,3-BUTADIENE	1.808	54	93721	10.25	PPBV		98
13) N-BUTANE	1.824	43	176537	10.61	PPBV		99
14) BROMOMETHANE	1.882	94	103865	10.82	PPBV		99
15) CHLOROETHANE	1.930	64	61928	10.66	PPBV		99
16) DICHLOROFLUOROMETHANE	1.956	67	260538	11.51	PPBV		100
17) ACETONITRILE	2.024	41	102868	9.97	PPBV		99
18) ACROLEIN	2.062	56	56736	11.23	PPBV		97
19) FREON 123	2.075	83	258469	10.59	PPBV		98
20) FREON 123A	2.091	117	158572	10.43	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.155	101	326972	11.60	PPBV		99
22) ISOPROPYL ALCOHOL	2.175	45	252254	10.61	PPBV		100
23) ACETONE	2.101	58	61862	8.30	PPBV		98
24) PENTANE	2.271	42	125892	11.02	PPBV		100
25) IODOMETHANE	2.332	142	311082	12.05	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.358	96	116228	10.45	PPBV		100
27) CARBON DISULFIDE	2.493	76	336807	12.16	PPBV		100
28) ETHANOL	1.959	45	54389	8.36	PPBV		100
29) BROMOETHENE	2.030	106	110904	10.85	PPBV		99
30) ACRYLONITRILE	2.242	52	88143	9.55	PPBV		98
31) METHYLENE CHLORIDE	2.397	84	104004	10.24	PPBV		97
32) 3-CHLOROPROPENE	2.438	76	58086	10.99	PPBV		98
33) FREON 113	2.490	151	198243	11.77	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	124974	10.79	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.374	59	310048	11.34	PPBV		100
36) METHYL TERTIARY BUTYL ...	2.824	73	371996	11.23	PPBV		99
37) TETRAHYDROFURAN	3.506	72	62673	12.21	PPBV		95
38) HEXANE	3.278	57	218344	10.33	PPBV		99
39) VINYL ACETATE	2.860	86	35662	11.38	PPBV		95
40) 1,1-DICHLOROETHANE	2.792	63	235369	11.36	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	64179	11.26	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.149	96	136309	11.43	PPBV		100
43) DIISOPROPYL ETHER	3.281	59	65035	11.11	PPBV		96
44) ETHYL ACETATE	3.284	61	45987	11.36	PPBV		98
45) METHYL ACRYLATE	3.271	55	275665	11.61	PPBV	#	99
46) CHLOROFORM	3.297	83	276173	11.77	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.786	57	258551	11.06	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.863	97	291531	11.59	PPBV		100
49) CARBON TETRACHLORIDE	4.281	117	311447	12.49	PPBV		100
50) 1,2-DICHLOROETHANE	3.702	62	207686	11.83	PPBV		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	391655	11.43	PPBV	100
53)	CYCLOHEXANE	4.377	84	173685	11.40	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.631	71	90324	11.29	PPBV	98
55)	TRICHLOROETHENE	5.062	95	186131	11.35	PPBV	99
56)	1,2-DICHLOROPROPANE	4.831	63	156847	11.21	PPBV	99
57)	DIBROMOMETHANE	4.789	174	165870	10.76	PPBV	100
58)	ETHYL ACRYLATE	4.946	55	348773	11.73	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	304404	11.65	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	699924	11.28	PPBV	100
61)	1,4-DIOXANE	5.078	88	97454	10.66	PPBV	99
62)	HEPTANE	5.467	43	248482	11.40	PPBV	99
63)	METHYL METHACRYLATE	5.367	69	154917	11.06	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.094	58	139000	10.68	PPBV	100
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	243164	11.10	PPBV	99
66)	TOLUENE	7.187	91	493387	10.82	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	247994	11.65	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	231781	11.25	PPBV	100
69)	1,1,2-TRICHLOROETHANE	6.821	83	144738	11.55	PPBV	100
70)	2-HEXANONE	7.760	58	194335	9.56	PPBV	99
71)	ETHYL METHACRYLATE	7.888	69	261342	10.73	PPBV	100
72)	TETRACHLOROETHENE	8.908	164	197736	11.45	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.718	129	308711	11.73	PPBV	100
74)	1,2-DIBROMOETHANE	8.059	107	282440	12.31	PPBV	100
75)	OCTANE	9.055	43	344924	11.17	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	230150	11.92	PPBV	100
78)	CHLOROBENZENE	10.110	112	411539	11.71	PPBV	99
79)	ETHYLBENZENE	10.991	91	673474	11.32	PPBV	100
80)	M,P-XYLENE	11.422	91	1045863	23.44	PPBV	98
81)	O-XYLENE	12.345	91	527613	11.27	PPBV	100
82)	STYRENE	12.136	104	411836	12.28	PPBV	100
83)	NONANE	13.467	43	366216	11.39	PPBV	99
84)	BROMOFORM	11.226	173	264242	11.41	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	378232	12.14	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	297750	11.98	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	209087	11.69	PPBV	100
89)	BROMOBENZENE	13.724	77	380384	11.41	PPBV	100
90)	2-CHLOROTOLUENE	14.856	126	191686	11.78	PPBV	99
91)	N-PROPYLBENZENE	15.197	120	216658	11.95	PPBV	100
92)	4-ETHYLTOLUENE	15.640	105	779399	11.98	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	647532	11.83	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.213	118	336497	12.04	PPBV	99
95)	TERT-BUTYLBENZENE	16.528	134	157132	11.99	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	661357	11.98	PPBV	100
97)	BENZYL CHLORIDE	16.628	91	620171	12.69	PPBV	100
98)	M-DICHLOROBENZENE	16.599	146	435352	11.56	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	440736	12.03	PPBV	99
100)	O-DICHLOROBENZENE	17.010	146	412635	11.60	PPBV	99
101)	SEC-BUTYLBENZENE	16.837	134	199730	12.23	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	642369	11.62	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.033	134	217932	12.04	PPBV	100
104)	N-BUTYLBENZENE	17.396	134	210699	11.92	PPBV	99
105)	HEXACHLOROETHANE	17.573	117	264746	12.57	PPBV	100
106)	HEXACHLOROBUTADIENE	18.631	225	299792	11.33	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.319	180	379717	12.49	PPBV	100
108)	NAPHTHALENE	18.367	128	867478	12.86	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	618380	11.35	PPBV	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration

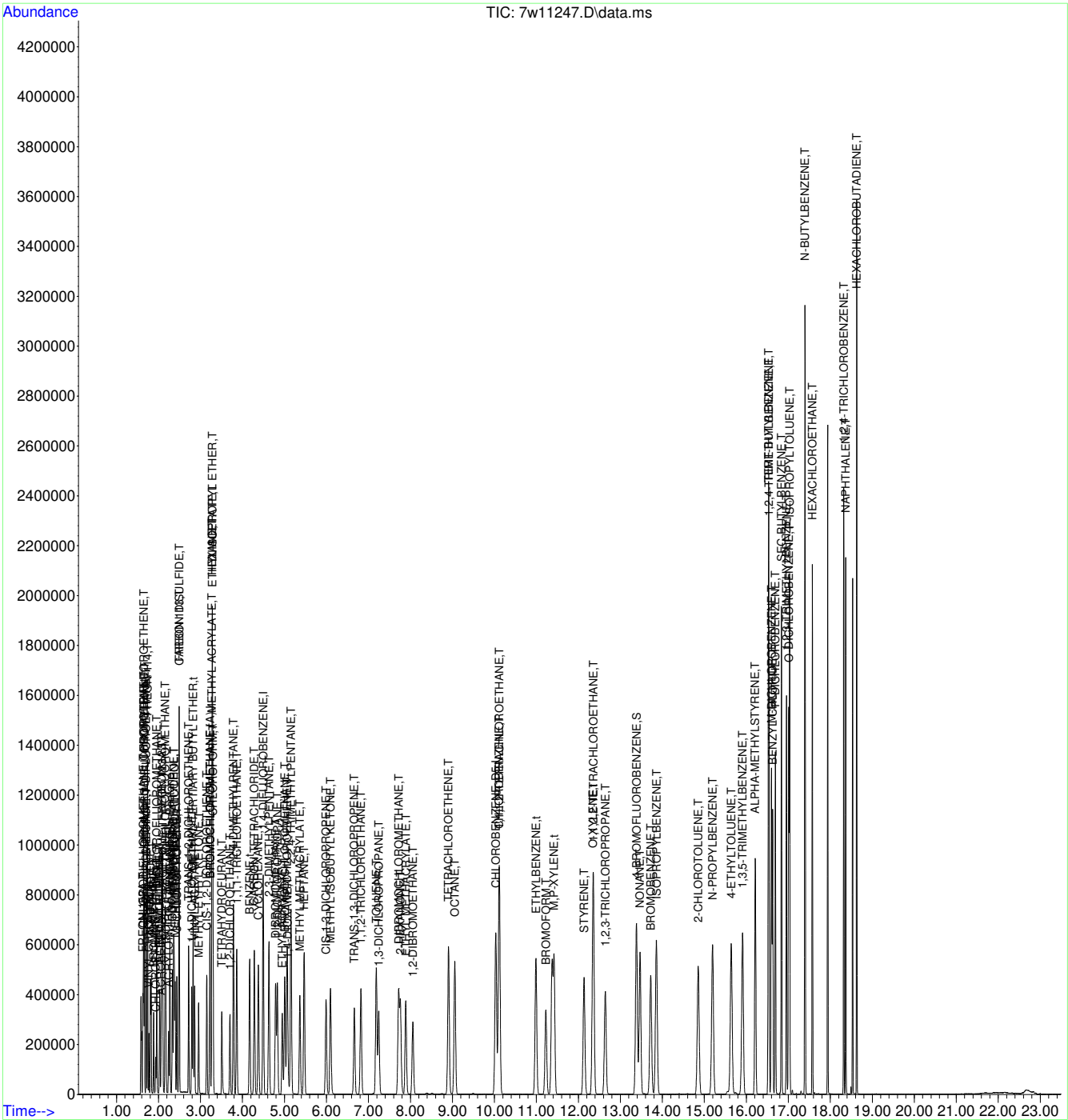
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11818.D
Acq On : 16 Jan 2025 11:34 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 22:52:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	137862	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	693738	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	645125	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	137862	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	495422	10.58	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	75602	11.5156	PPBV	93
4) CHLORODIFLUOROMETHANE	1.641	67	34907	10.4737	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.653	116	166440	10.3674	PPBV	78
6) DICHLORODIFLUOROMETHANE	1.666	85	423147	12.3103	PPBV	99
7) PROPYLENE	1.650	41	80323	8.8784	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	333525	13.1007	PPBV	99
9) FREON 114	1.740	85	369567	13.5542	PPBV	92
10) CHLOROMETHANE	1.711	52	37061	10.3860	PPBV	99
11) VINYL CHLORIDE	1.772	62	141673	12.2869	PPBV	99
12) 1,3-BUTADIENE	1.811	54	103345	10.5189	PPBV	95
13) N-BUTANE	1.827	43	175656	9.8242	PPBV	96
14) BROMOMETHANE	1.885	94	122243	11.8587	PPBV	99
15) CHLOROETHANE	1.933	64	73858	11.8364	PPBV	95
16) DICHLOROFLUOROMETHANE	1.959	67	298884	12.2957	PPBV	99
17) ACETONITRILE	2.026	41	96276	8.6889	PPBV	98
18) ACROLEIN	2.065	56	59899	10.2925	PPBV	98
19) FREON 123	2.078	83	317995	12.1225	PPBV	96
20) FREON 123A	2.094	117	184706	11.3094	PPBV	85
21) TRICHLOROFLUOROMETHANE	2.158	101	361349	11.9371	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	241979	9.4746	PPBV	97
23) ACETONE	2.104	58	68947	8.6077	PPBV	83
24) PENTANE	2.274	42	121260	9.8845	PPBV	95
25) IODOMETHANE	2.335	142	314493	11.3362	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.361	96	135124	11.3040	PPBV	98
27) CARBON DISULFIDE	2.496	76	400177	13.4431	PPBV	99
28) ETHANOL	1.962	45	61246	8.7601	PPBV	99
29) BROMOETHENE	2.033	106	123279	11.2254	PPBV	97
30) ACRYLONITRILE	2.245	52	91891	9.2690	PPBV	98
31) METHYLENE CHLORIDE	2.396	84	124019	11.3657	PPBV	93
32) 3-CHLOROPROPENE	2.438	76	68281	12.0284	PPBV	88
33) FREON 113	2.493	151	205918	11.3772	PPBV	85
34) TRANS-1,2-DICHLOROETHENE	2.718	96	121861	9.7928	PPBV	96
35) TERTIARY BUTYL ALCOHOL	2.377	59	296948	10.1098	PPBV	99
36) METHYL TERTIARY BUTYL ...	2.827	73	326724	9.1815	PPBV	96
37) TETRAHYDROFURAN	3.509	72	66042	11.9765	PPBV	86
38) HEXANE	3.277	57	238550	10.5065	PPBV	97
39) VINYL ACETATE	2.862	86	28720	8.5273	PPBV	74
40) 1,1-DICHLOROETHANE	2.795	63	216858	9.7397	PPBV	100
41) METHYL ETHYL KETONE	2.956	72	69545	11.3544	PPBV	85
42) CIS-1,2-DICHLOROETHENE	3.152	96	141882	11.0696	PPBV	100
43) DIISOPROPYL ETHER	3.280	59	69812	11.1026	PPBV	85
44) ETHYL ACETATE	3.287	61	48590	11.1696	PPBV	93
45) METHYL ACRYLATE	3.274	55	279209	10.9457	PPBV #	99
46) CHLOROFORM	3.300	83	294998	11.7071	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.785	57	272301	10.8472	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	288381	10.6722	PPBV	98
49) CARBON TETRACHLORIDE	4.280	117	279314	10.4224	PPBV	99
50) 1,2-DICHLOROETHANE	3.702	62	218932	11.6046	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11818.D
Acq On : 16 Jan 2025 11:34 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 22:52:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	419068	11.3818	PPBV	97
53)	CYCLOHEXANE	4.380	84	188582	11.5056	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.631	71	96796	11.2482	PPBV	96
55)	TRICHLOROETHENE	5.062	95	193580	10.9774	PPBV	93
56)	1,2-DICHLOROPROPANE	4.833	63	164782	10.9530	PPBV	99
57)	DIBROMOMETHANE	4.792	174	159462	9.6236	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	335485	10.4949	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	319720	11.3801	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	736805	11.0450	PPBV	100
61)	1,4-DIOXANE	5.074	88	101710	10.3439	PPBV	98
62)	HEPTANE	5.470	43	241400	10.2969	PPBV	92
63)	METHYL METHACRYLATE	5.367	69	155892	10.3465	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.094	58	146489	10.4665	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	258417	10.9683	PPBV	95
66)	TOLUENE	7.187	91	517722	10.5616	PPBV	99
67)	1,3-DICHLOROPROPANE	7.245	76	265483	11.5963	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	217435	9.8171	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	153728	11.4089	PPBV	97
70)	2-HEXANONE	7.759	58	203218	9.2984	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	257455	9.8284	PPBV	95
72)	TETRACHLOROETHENE	8.904	164	197116	10.6130	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	291596	10.3003	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	279947	11.3491	PPBV	99
75)	OCTANE	9.058	43	332977	10.0245	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	206122	9.9968	PPBV	93
78)	CHLOROBENZENE	10.110	112	418752	11.1548	PPBV	98
79)	ETHYLBENZENE	10.991	91	693653	10.9166	PPBV	99
80)	M,P-XYLENE	11.415	91	1090678	21.8968	PPBV	97
81)	O-XYLENE	12.344	91	562532	11.2448	PPBV	98
82)	STYRENE	12.132	104	413724	11.5474	PPBV	99
83)	NONANE	13.470	43	359253	10.4550	PPBV	96
84)	BROMOFORM	11.225	173	256487	10.3708	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	416331	12.5052	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	315556	11.8805	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	205734	10.7649	PPBV	92
89)	BROMOBENZENE	13.724	77	392401	11.0143	PPBV	90
90)	2-CHLOROTOLUENE	14.852	126	182726	10.5104	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	212053	10.9471	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	796738	11.4676	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	668047	11.4255	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.212	118	329720	11.0418	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	155388	11.1038	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	714099	12.1079	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	452177	8.6583	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	435131	10.8167	PPBV	99
99)	P-DICHLOROBENZENE	16.691	146	441966	11.2883	PPBV	98
100)	O-DICHLOROBENZENE	17.010	146	421208	11.0887	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	196648	11.2764	PPBV	81
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	697580	11.8080	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	219758	11.3677	PPBV	93
104)	N-BUTYLBENZENE	17.392	134	217178	11.4983	PPBV	78
105)	HEXACHLOROETHANE	17.572	117	235434	10.4630	PPBV	97
106)	HEXACHLOROBUTADIENE	18.627	225	380683	13.4723	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	423558	13.0450	PPBV	98
108)	NAPHTHALENE	18.367	128	899512	12.4822	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	614741	10.5017	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11818.D
Acq On : 16 Jan 2025 11:34 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 22:52:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

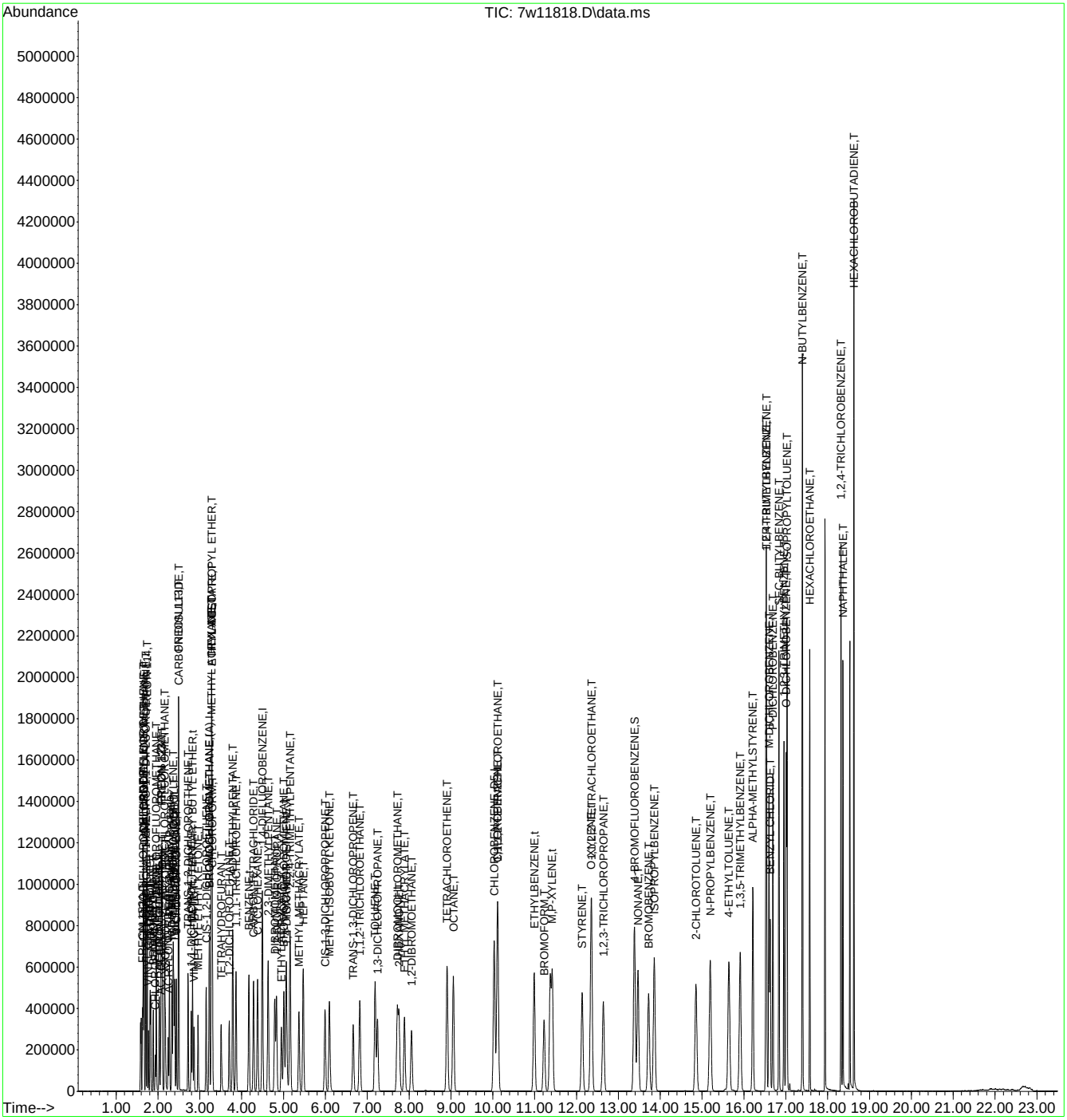
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11818.D
Acq On : 16 Jan 2025 11:34 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 22:52:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11930.D
Acq On : 19 Jan 2025 11:30 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:11:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	119162	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	603484	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.035	117	562140	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	119162	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	437157	10.72	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.627	65	65665	11.5717	PPBV	94
4) CHLORODIFLUOROMETHANE	1.640	67	31174	10.8215	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.650	116	148190	10.6792	PPBV	73
6) DICHLORODIFLUOROMETHANE	1.666	85	388321	13.0699	PPBV	99
7) PROPYLENE	1.650	41	71783	9.1796	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	307175	13.9592	PPBV	99
9) FREON 114	1.740	85	334751	14.2040	PPBV	92
10) CHLOROMETHANE	1.711	52	35988	11.6679	PPBV	96
11) VINYL CHLORIDE	1.772	62	134552	13.5005	PPBV	100
12) 1,3-BUTADIENE	1.811	54	99515	11.7187	PPBV	97
13) N-BUTANE	1.827	43	179238	11.5977	PPBV	98
14) BROMOMETHANE	1.885	94	112390	12.6138	PPBV	98
15) CHLOROETHANE	1.933	64	69139	12.8189	PPBV	96
16) DICHLOROFLUOROMETHANE	1.959	67	268058	12.7581	PPBV	99
17) ACETONITRILE	2.026	41	85569	8.9345	PPBV	99
18) ACROLEIN	2.065	56	53043	10.5448	PPBV	97
19) FREON 123	2.078	83	283760	12.5150	PPBV	97
20) FREON 123A	2.097	117	165030	11.6904	PPBV	87
21) TRICHLOROFLUOROMETHANE	2.161	101	320217	12.2383	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	215321	9.7539	PPBV	97
23) ACETONE	2.103	58	60774	8.7780	PPBV	86
24) PENTANE	2.274	42	108695	10.2507	PPBV	98
25) IODOMETHANE	2.335	142	277694	11.5806	PPBV	94
26) 1,1-DICHLOROETHYLENE	2.364	96	118000	11.4206	PPBV	98
27) CARBON DISULFIDE	2.496	76	358746	13.9425	PPBV	99
28) ETHANOL	1.962	45	55914	9.2525	PPBV	99
29) BROMOETHENE	2.033	106	111298	11.7248	PPBV	98
30) ACRYLONITRILE	2.245	52	82561	9.6348	PPBV	97
31) METHYLENE CHLORIDE	2.399	84	110296	11.6943	PPBV	93
32) 3-CHLOROPROPENE	2.441	76	61149	12.4625	PPBV	81
33) FREON 113	2.496	151	183903	11.7554	PPBV	85
34) TRANS-1,2-DICHLOROETHENE	2.721	96	121849	11.3284	PPBV	98
35) TERTIARY BUTYL ALCOHOL	2.377	59	262506	10.3397	PPBV	100
36) METHYL TERTIARY BUTYL ...	2.827	73	308615	10.0336	PPBV	97
37) TETRAHYDROFURAN	3.508	72	58193	12.2092	PPBV	89
38) HEXANE	3.280	57	214914	10.9509	PPBV	97
39) VINYL ACETATE	2.865	86	29890	10.2673	PPBV	86
40) 1,1-DICHLOROETHANE	2.795	63	197392	10.2567	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	62213	11.7513	PPBV	86
42) CIS-1,2-DICHLOROETHENE	3.155	96	125802	11.3553	PPBV	99
43) DIISOPROPYL ETHER	3.283	59	62203	11.4449	PPBV	89
44) ETHYL ACETATE	3.287	61	44704	11.8889	PPBV	91
45) METHYL ACRYLATE	3.274	55	254969	11.5640	PPBV #	99
46) CHLOROFORM	3.299	83	264746	12.1553	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.788	57	243860	11.2387	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	258862	11.0831	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	253419	10.9401	PPBV	99
50) 1,2-DICHLOROETHANE	3.705	62	196724	12.0638	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11930.D
Acq On : 19 Jan 2025 11:30 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:11:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

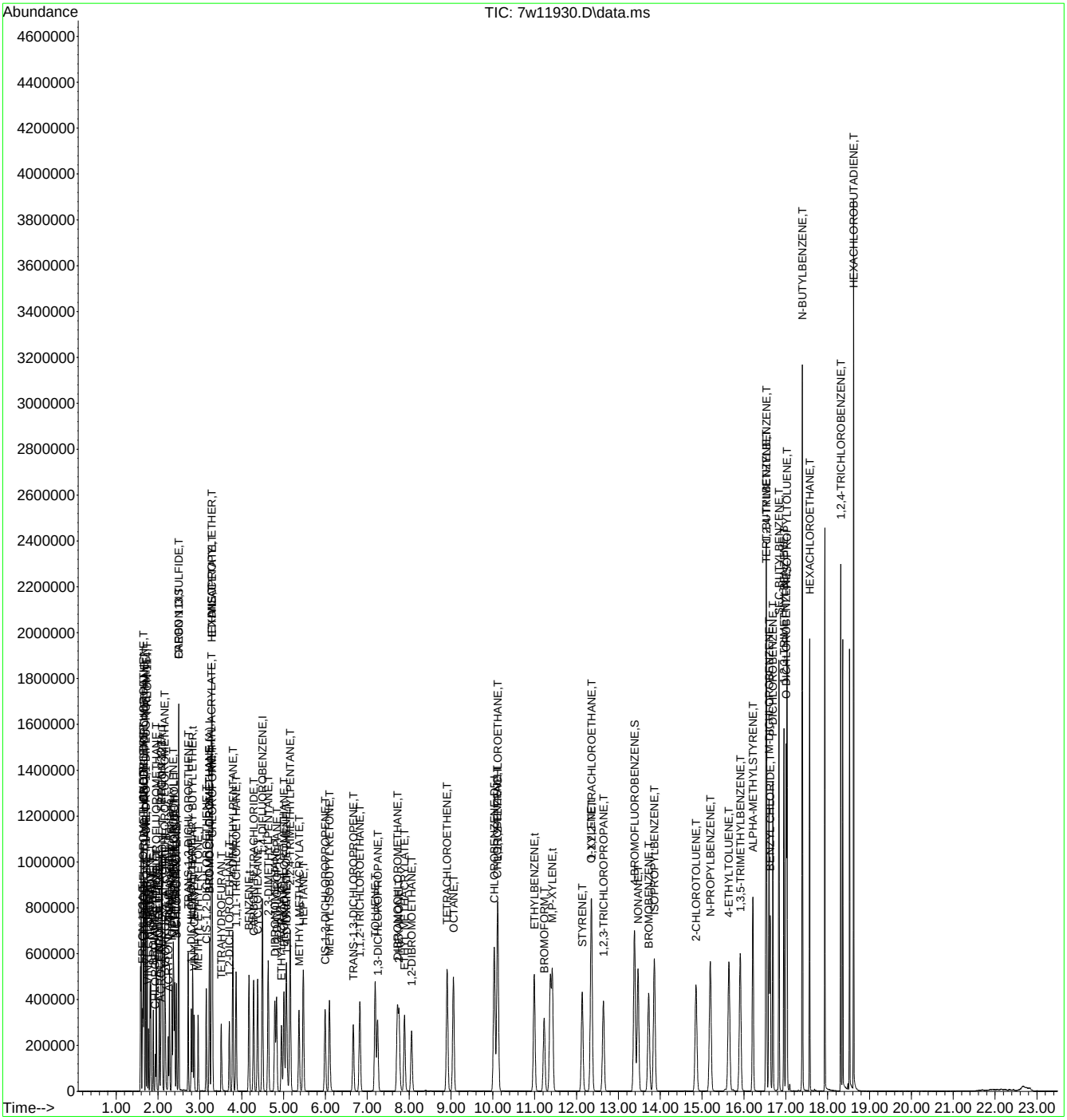
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	373632	11.7402	PPBV	98
53)	CYCLOHEXANE	4.380	84	165739	11.6242	PPBV	98
54)	2,3-DIMETHYLPENTANE	4.634	71	85832	11.4658	PPBV	98
55)	TRICHLOROETHENE	5.061	95	173045	11.2804	PPBV	93
56)	1,2-DICHLOROPROPANE	4.833	63	149291	11.4074	PPBV	99
57)	DIBROMOMETHANE	4.791	174	141145	9.7921	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	310959	11.1825	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	287668	11.7706	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	661671	11.4021	PPBV	100
61)	1,4-DIOXANE	5.077	88	91185	10.6604	PPBV	99
62)	HEPTANE	5.473	43	219313	10.7539	PPBV	93
63)	METHYL METHACRYLATE	5.370	69	142782	10.8936	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.097	58	132251	10.8623	PPBV	93
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	233657	11.4006	PPBV	96
66)	TOLUENE	7.190	91	464529	10.8937	PPBV	99
67)	1,3-DICHLOROPROPANE	7.248	76	237263	11.9136	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	197405	10.2457	PPBV	97
69)	1,1,2-TRICHLOROETHANE	6.820	83	138399	11.8073	PPBV	96
70)	2-HEXANONE	7.756	58	182713	9.6104	PPBV	92
71)	ETHYL METHACRYLATE	7.891	69	237832	10.4371	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	176438	10.9204	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.720	129	264977	10.7598	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	250876	11.6916	PPBV	100
75)	OCTANE	9.058	43	306439	10.6053	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	185602	10.3305	PPBV	93
78)	CHLOROBENZENE	10.106	112	374643	11.4530	PPBV	96
79)	ETHYLBENZENE	10.990	91	620303	11.2034	PPBV	98
80)	M,P-XYLENE	11.418	91	977777	22.5280	PPBV	98
81)	O-XYLENE	12.347	91	500303	11.4773	PPBV	97
82)	STYRENE	12.135	104	371254	11.8917	PPBV	99
83)	NONANE	13.469	43	327377	10.9338	PPBV	96
84)	BROMOFORM	11.225	173	239530	11.1149	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	375332	12.9380	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	285971	12.3561	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	183458	11.0164	PPBV	92
89)	BROMOBENZENE	13.723	77	355146	11.4402	PPBV	90
90)	2-CHLOROTOLUENE	14.855	126	163093	10.7660	PPBV	98
91)	N-PROPYLBENZENE	15.196	120	190638	11.2944	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	710734	11.7399	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.916	105	599177	11.7604	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.215	118	293999	11.2990	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	138358	11.3464	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	639082	12.4356	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	411154	9.0350	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	387752	11.0618	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	396371	11.6182	PPBV	98
100)	O-DICHLOROBENZENE	17.006	146	378413	11.4327	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	176811	11.6356	PPBV	83
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	621300	12.0694	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	194802	11.5643	PPBV	92
104)	N-BUTYLBENZENE	17.392	134	191588	11.6409	PPBV	75
105)	HEXACHLOROETHANE	17.569	117	216169	11.0250	PPBV	98
106)	HEXACHLOROBUTADIENE	18.620	225	336147	13.6524	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.312	180	370490	13.0951	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	548162	10.8339	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11930.D
Acq On : 19 Jan 2025 11:30 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:11:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11967.D
Acq On : 21 Jan 2025 10:12 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 10:01:20 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.222	128	129744	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.489	114	652103	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	605960	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.222	128	129744	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	474189	10.78	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	69646	11.2722	PPBV		96
4) CHLORODIFLUOROMETHANE	1.640	67	33603	10.7133	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	157172	10.4027	PPBV		74
6) DICHLORODIFLUOROMETHANE	1.666	85	408314	12.6220	PPBV		99
7) PROPYLENE	1.650	41	77590	9.1129	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.704	65	323385	13.4972	PPBV		98
9) FREON 114	1.737	85	351456	13.6965	PPBV		93
10) CHLOROMETHANE	1.711	52	37332	11.1165	PPBV		97
11) VINYL CHLORIDE	1.772	62	137816	12.7002	PPBV		99
12) 1,3-BUTADIENE	1.807	54	105707	11.4326	PPBV		98
13) N-BUTANE	1.823	43	186947	11.1099	PPBV		98
14) BROMOMETHANE	1.881	94	117655	12.1278	PPBV		99
15) CHLOROETHANE	1.930	64	72906	12.4148	PPBV		97
16) DICHLOROFLUOROMETHANE	1.955	67	298595	13.0524	PPBV		99
17) ACETONITRILE	2.023	41	106093	10.1739	PPBV		99
18) ACROLEIN	2.061	56	54570	9.9635	PPBV		97
19) FREON 123	2.074	83	298570	12.0942	PPBV		97
20) FREON 123A	2.090	117	174928	11.3809	PPBV		86
21) TRICHLOROFLUOROMETHANE	2.155	101	339757	11.9260	PPBV		100
22) ISOPROPYL ALCOHOL	2.171	45	227716	9.4740	PPBV		97
23) ACETONE	2.100	58	64407	8.5440	PPBV		84
24) PENTANE	2.270	42	115067	9.9665	PPBV		97
25) IODOMETHANE	2.328	142	300189	11.4976	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.357	96	126933	11.2832	PPBV		98
27) CARBON DISULFIDE	2.489	76	377331	13.4687	PPBV		99
28) ETHANOL	1.958	45	66344	10.0830	PPBV		98
29) BROMOETHENE	2.029	106	118984	11.5122	PPBV		98
30) ACRYLONITRILE	2.238	52	87336	9.3608	PPBV		99
31) METHYLENE CHLORIDE	2.393	84	116329	11.3280	PPBV		94
32) 3-CHLOROPROPENE	2.434	76	64074	11.9936	PPBV		83
33) FREON 113	2.489	151	194407	11.4133	PPBV		86
34) TRANS-1,2-DICHLOROETHENE	2.714	96	125975	10.7568	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.370	59	279194	10.1000	PPBV		100
36) METHYL TERTIARY BUTYL ...	2.820	73	317087	9.4683	PPBV		96
37) TETRAHYDROFURAN	3.502	72	61198	11.7924	PPBV		90
38) HEXANE	3.274	57	226417	10.5960	PPBV		97
39) VINYL ACETATE	2.856	86	28327	8.9368	PPBV		76
40) 1,1-DICHLOROETHANE	2.788	63	212555	10.1437	PPBV		99
41) METHYL ETHYL KETONE	2.952	72	65476	11.3590	PPBV		87
42) CIS-1,2-DICHLOROETHENE	3.145	96	132798	11.0091	PPBV		99
43) DIISOPROPYL ETHER	3.277	59	65470	11.0635	PPBV		91
44) ETHYL ACETATE	3.280	61	47046	11.4913	PPBV		91
45) METHYL ACRYLATE	3.267	55	270458	11.2661	PPBV	#	99
46) CHLOROFORM	3.296	83	278618	11.7488	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.782	57	256763	10.8682	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.859	97	275044	10.8155	PPBV		98
49) CARBON TETRACHLORIDE	4.280	117	270474	10.7240	PPBV		99
50) 1,2-DICHLOROETHANE	3.698	62	207078	11.6631	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11967.D
Acq On : 21 Jan 2025 10:12 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 10:01:20 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.167	78	393971	11.3696	PPBV	98
53)	CYCLOHEXANE	4.373	84	176097	11.4299	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.627	71	90619	11.2027	PPBV	98
55)	TRICHLOROETHENE	5.058	95	182432	11.0057	PPBV	93
56)	1,2-DICHLOROPROPANE	4.827	63	156240	11.0483	PPBV	99
57)	DIBROMOMETHANE	4.788	174	149378	9.5906	PPBV	93
58)	ETHYL ACRYLATE	4.946	55	326323	10.8601	PPBV	99
59)	BROMODICHLOROMETHANE	5.003	83	304028	11.5125	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.151	57	696025	11.0999	PPBV	99
61)	1,4-DIOXANE	5.071	88	96230	10.4115	PPBV	99
62)	HEPTANE	5.466	43	232554	10.5529	PPBV	94
63)	METHYL METHACRYLATE	5.364	69	151041	10.6645	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.090	58	138874	10.5559	PPBV	93
65)	CIS-1,3-DICHLOROPROPENE	5.987	75	246856	11.1466	PPBV	96
66)	TOLUENE	7.183	91	485629	10.5394	PPBV	100
67)	1,3-DICHLOROPROPANE	7.244	76	248889	11.5656	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.662	75	210837	10.1270	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.817	83	144835	11.4352	PPBV	97
70)	2-HEXANONE	7.756	58	194495	9.4674	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	248006	10.0722	PPBV	96
72)	TETRACHLOROETHENE	8.907	164	190688	10.9224	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.714	129	278848	10.4789	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	264670	11.4149	PPBV	99
75)	OCTANE	9.051	43	320649	10.2697	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	197555	10.2006	PPBV	93
78)	CHLOROBENZENE	10.106	112	394160	11.1783	PPBV	96
79)	ETHYLBENZENE	10.987	91	656031	10.9918	PPBV	98
80)	M,P-XYLENE	11.415	91	1034841	22.1186	PPBV	100
81)	O-XYLENE	12.347	91	531327	11.3075	PPBV	97
82)	STYRENE	12.132	104	390478	11.6030	PPBV	99
83)	NONANE	13.466	43	345863	10.7159	PPBV	97
84)	BROMOFORM	11.222	173	248052	10.6780	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.357	83	393542	12.5847	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.637	75	301960	12.1034	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	192579	10.7278	PPBV	91
89)	BROMOBENZENE	13.723	77	372688	11.1371	PPBV	91
90)	2-CHLOROTOLUENE	14.855	126	171096	10.4775	PPBV	100
91)	N-PROPYLBENZENE	15.199	120	199617	10.9712	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	763120	11.6936	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	636401	11.5877	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	313374	11.1726	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	146888	11.1749	PPBV	92
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	682863	12.3266	PPBV	95
97)	BENZYL CHLORIDE	16.627	91	449700	9.1674	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	412005	10.9038	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	421013	11.4481	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	401500	11.2530	PPBV	98
101)	SEC-BUTYLBENZENE	16.839	134	188015	11.4781	PPBV	84
102)	1,2,3-TRIMETHYLBENZENE	16.958	105	657477	11.8485	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	204423	11.2579	PPBV	90
104)	N-BUTYLBENZENE	17.395	134	203999	11.4986	PPBV	75
105)	HEXACHLOROETHANE	17.575	117	225581	10.6731	PPBV	98
106)	HEXACHLOROBUTADIENE	18.636	225	353936	13.3353	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.324	180	398862	13.0784	PPBV	99
108)	NAPHTHALENE	18.373	128	878399	12.9770	PPBV	99
110)	TVHC as equiv Pentane	2.270	TIC	572458	10.3913	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11967.D
Acq On : 21 Jan 2025 10:12 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 10:01:20 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

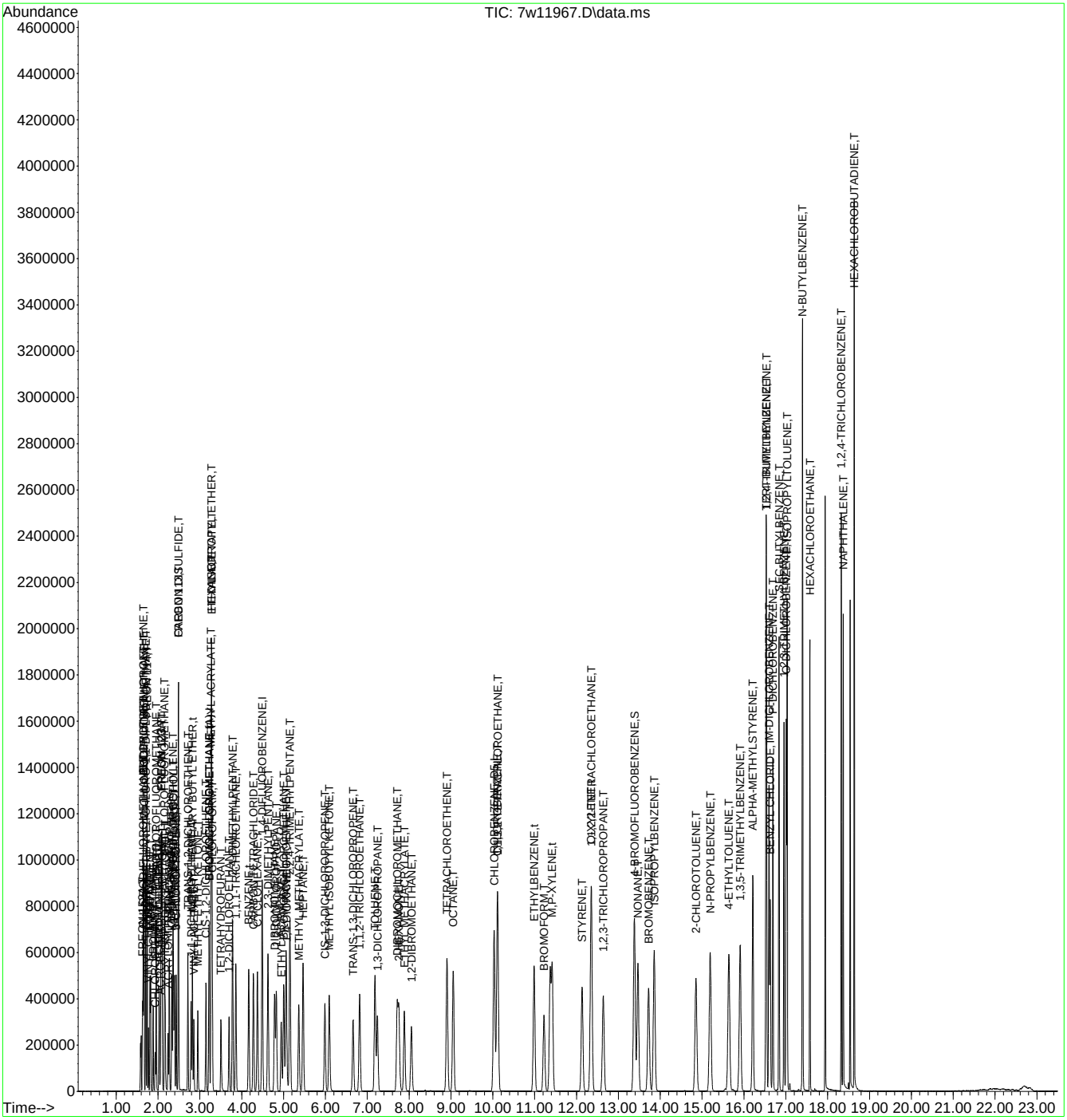
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012225\v7w427\
Data File : 7w11967.D
Acq On : 21 Jan 2025 10:12 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w427,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 10:01:20 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012325\v7w428\
Data File : 7w12001.D
Acq On : 22 Jan 2025 10:14 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88885,v7w428,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 23 01:33:49 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.222	128	114320	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.489	114	570840	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	528347	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.222	128	114320	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	420650	10.97	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.624	65	59093	10.8546	PPBV		100
4) CHLORODIFLUOROMETHANE	1.637	67	31551	11.4162	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.650	116	142022	10.6682	PPBV		83
6) DICHLORODIFLUOROMETHANE	1.666	85	347173	12.1799	PPBV		98
7) PROPYLENE	1.647	41	69826	9.3075	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.701	65	260189	12.3248	PPBV		98
9) FREON 114	1.737	85	285222	12.6150	PPBV		96
10) CHLOROMETHANE	1.708	52	30912	10.4467	PPBV		96
11) VINYL CHLORIDE	1.769	62	103127	10.7857	PPBV		98
12) 1,3-BUTADIENE	1.808	54	76384	9.3758	PPBV		98
13) N-BUTANE	1.824	43	135364	9.1298	PPBV		98
14) BROMOMETHANE	1.881	94	94602	11.0671	PPBV		100
15) CHLOROETHANE	1.930	64	55067	10.6423	PPBV	#	88
16) DICHLOROFLUOROMETHANE	1.955	67	225606	11.1924	PPBV		99
17) ACETONITRILE	2.020	41	73565	8.0064	PPBV		99
18) ACROLEIN	2.058	56	42748	8.8581	PPBV		98
19) FREON 123	2.074	83	249285	11.4602	PPBV		97
20) FREON 123A	2.090	117	146769	10.8371	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.155	101	281030	11.1956	PPBV		100
22) ISOPROPYL ALCOHOL	2.171	45	182854	8.6340	PPBV		96
23) ACETONE	2.097	58	50617	7.6206	PPBV		90
24) PENTANE	2.267	42	91896	9.0335	PPBV		97
25) IODOMETHANE	2.328	142	264565	11.5004	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.357	96	104440	10.5363	PPBV		93
27) CARBON DISULFIDE	2.489	76	323007	13.0852	PPBV		98
28) ETHANOL	1.959	45	45614	7.8678	PPBV		99
29) BROMOETHENE	2.029	106	98246	10.7882	PPBV		99
30) ACRYLONITRILE	2.238	52	68672	8.3534	PPBV		98
31) METHYLENE CHLORIDE	2.393	84	95053	10.5050	PPBV		91
32) 3-CHLOROPROPENE	2.434	76	51672	10.9771	PPBV		87
33) FREON 113	2.489	151	178174	11.8716	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.714	96	117097	11.3477	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.370	59	213757	8.7761	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.824	73	319662	10.8330	PPBV		98
37) TETRAHYDROFURAN	3.505	72	55555	12.1494	PPBV		90
38) HEXANE	3.274	57	200498	10.6490	PPBV		99
39) VINYL ACETATE	2.859	86	26787	9.5912	PPBV		88
40) 1,1-DICHLOROETHANE	2.788	63	210811	11.4179	PPBV		99
41) METHYL ETHYL KETONE	2.952	72	59616	11.7377	PPBV		87
42) CIS-1,2-DICHLOROETHENE	3.148	96	122888	11.5621	PPBV		98
43) DIISOPROPYL ETHER	3.277	59	57650	11.0564	PPBV		97
44) ETHYL ACETATE	3.283	61	40755	11.2978	PPBV		98
45) METHYL ACRYLATE	3.270	55	236715	11.1908	PPBV	#	99
46) CHLOROFORM	3.296	83	260723	12.4776	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.782	57	229574	11.0284	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.862	97	259099	11.5631	PPBV		99
49) CARBON TETRACHLORIDE	4.280	117	259124	11.6602	PPBV		99
50) 1,2-DICHLOROETHANE	3.698	62	192756	12.3212	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012325\v7w428\
Data File : 7w12001.D
Acq On : 22 Jan 2025 10:14 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88885,v7w428,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 23 01:33:49 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.168	78	360638	11.8119	PPBV	97
53)	CYCLOHEXANE	4.377	84	159248	11.8077	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.627	71	82211	11.6101	PPBV	95
55)	TRICHLOROETHENE	5.058	95	170219	11.7308	PPBV	95
56)	1,2-DICHLOROPROPANE	4.827	63	136961	11.0638	PPBV	97
57)	DIBROMOMETHANE	4.788	174	144734	10.6153	PPBV	97
58)	ETHYL ACRYLATE	4.942	55	285199	10.8427	PPBV	100
59)	BROMODICHLOROMETHANE	5.004	83	287169	12.4221	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.151	57	619176	11.2800	PPBV	100
61)	1,4-DIOXANE	5.071	88	87855	10.8585	PPBV	97
62)	HEPTANE	5.467	43	213774	11.0817	PPBV	96
63)	METHYL METHACRYLATE	5.364	69	135020	10.8905	PPBV	94
64)	METHYL ISOBUTYL KETONE	6.090	58	123320	10.7080	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	5.987	75	226009	11.6580	PPBV	95
66)	TOLUENE	7.187	91	448726	11.1249	PPBV	99
67)	1,3-DICHLOROPROPANE	7.245	76	229711	12.1940	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	192651	10.5707	PPBV	95
69)	1,1,2-TRICHLOROETHANE	6.817	83	131512	11.8614	PPBV	99
70)	2-HEXANONE	7.753	58	168507	9.3701	PPBV	95
71)	ETHYL METHACRYLATE	7.888	69	223895	10.3874	PPBV	96
72)	TETRACHLOROETHENE	8.904	164	182317	11.9296	PPBV	99
73)	DIBROMOCHLOROMETHANE	7.714	129	266878	11.4567	PPBV	100
74)	1,2-DIBROMOETHANE	8.055	107	245860	12.1131	PPBV	100
75)	OCTANE	9.055	43	296912	10.8632	PPBV	98
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	196968	11.6643	PPBV	97
78)	CHLOROBENZENE	10.106	112	366167	11.9099	PPBV	96
79)	ETHYLBENZENE	10.987	91	606023	11.6455	PPBV	98
80)	M,P-XYLENE	11.415	91	962377	23.5914	PPBV	98
81)	O-XYLENE	12.347	91	493348	12.0416	PPBV	97
82)	STYRENE	12.135	104	363045	12.3726	PPBV	98
83)	NONANE	13.466	43	319719	11.3610	PPBV	98
84)	BROMOFORM	11.225	173	240354	11.8665	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	359098	13.1701	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	279076	12.8294	PPBV	100
88)	ISOPROPYLBENZENE	13.852	120	180062	11.5040	PPBV	93
89)	BROMOBENZENE	13.720	77	348378	11.9399	PPBV	96
90)	2-CHLOROTOLUENE	14.852	126	160212	11.2522	PPBV	99
91)	N-PROPYLBENZENE	15.193	120	187040	11.7900	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	699310	12.2900	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	592800	12.3794	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	287861	11.7707	PPBV	98
95)	TERT-BUTYLBENZENE	16.530	134	143645	12.5335	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	626351	12.9674	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	395670	9.2509	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	405277	12.3013	PPBV	100
99)	P-DICHLOROBENZENE	16.691	146	411334	12.8280	PPBV	100
100)	O-DICHLOROBENZENE	17.009	146	389850	12.5316	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	180911	12.6669	PPBV	93
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	604856	12.5014	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	198557	12.5412	PPBV	100
104)	N-BUTYLBENZENE	17.395	134	199163	12.8751	PPBV	89
105)	HEXACHLOROETHANE	17.572	117	208698	11.3248	PPBV	98
106)	HEXACHLOROBUTADIENE	18.633	225	331783	14.3370	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.321	180	376368	14.1537	PPBV	99
108)	NAPHTHALENE	18.370	128	781992	13.2498	PPBV	99
110)	TVHC as equiv Pentane	2.267	TIC	452745	9.3271	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012325\v7w428\
Data File : 7w12001.D
Acq On : 22 Jan 2025 10:14 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88885,v7w428,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 23 01:33:49 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

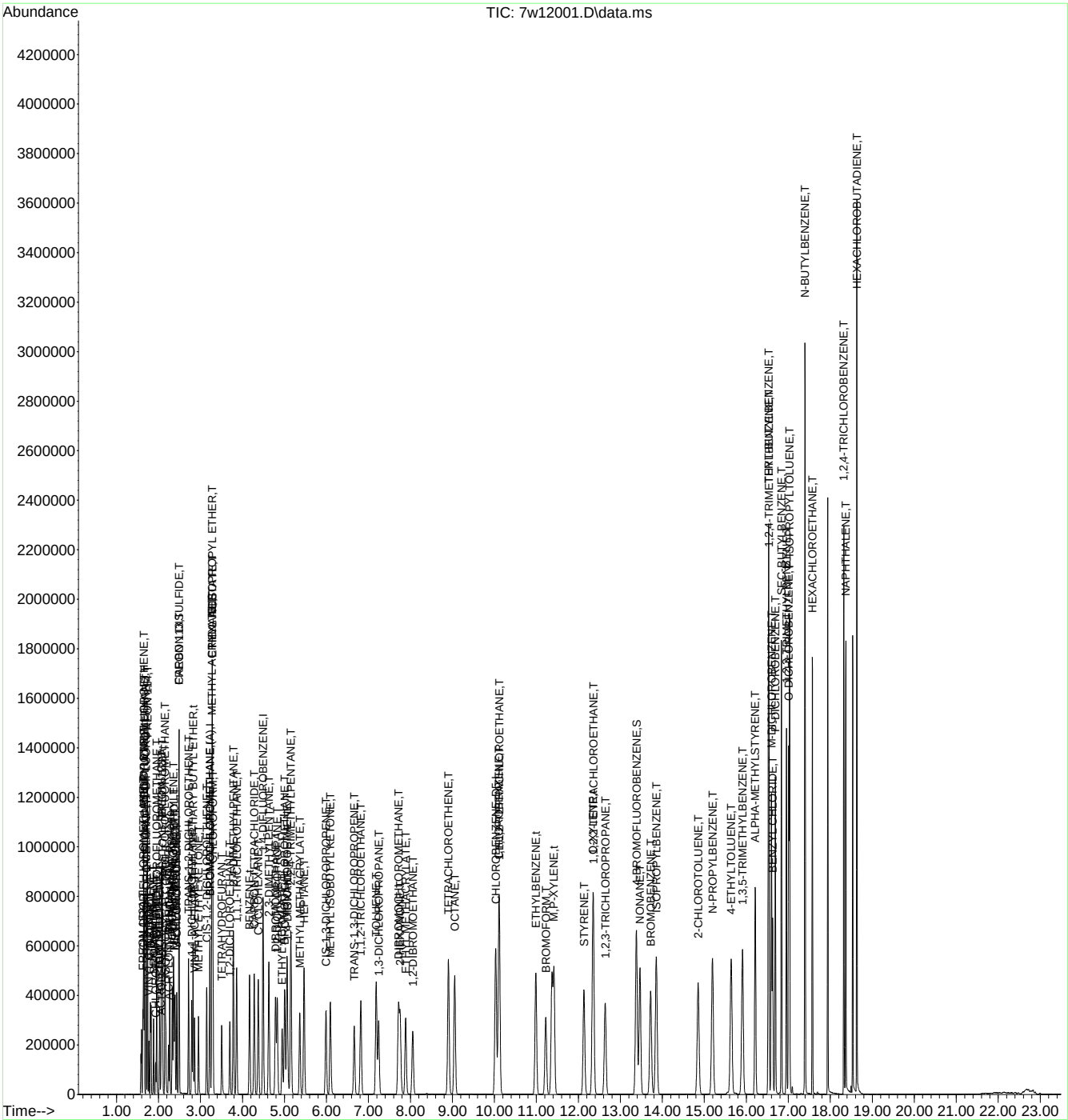
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012325\v7w428\
Data File : 7w12001.D
Acq On : 22 Jan 2025 10:14 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88885,v7w428,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 23 01:33:49 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12939.D
Acq On : 23 Feb 2025 6:55 pm
Operator : benk
Sample : cc405-10
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 19:23:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.225	128	133293	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	649643	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.035	117	602846	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	133293	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	446177	10.20	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.624	65	68967	10.87	PPBV		94
4) CHLORODIFLUOROMETHANE	1.637	67	31121	9.66	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.650	116	166932	10.75	PPBV		97
6) DICHLORODIFLUOROMETHANE	1.666	85	346758	10.43	PPBV		98
7) PROPYLENE	1.647	41	89800	10.27	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.701	65	230464	9.36	PPBV		97
9) FREON 114	1.737	85	300291	11.39	PPBV		97
10) CHLOROMETHANE	1.708	52	36537	10.59	PPBV		99
11) VINYL CHLORIDE	1.769	62	131138	11.76	PPBV		100
12) 1,3-BUTADIENE	1.807	54	105658	11.12	PPBV		90
13) N-BUTANE	1.824	43	184285	10.66	PPBV		98
14) BROMOMETHANE	1.881	94	111361	11.17	PPBV		99
15) CHLOROETHANE	1.930	64	68627	11.38	PPBV		95
16) DICHLOROFLUOROMETHANE	1.955	67	253427	10.78	PPBV		98
17) ACETONITRILE	2.023	41	108929	10.17	PPBV		97
18) ACROLEIN	2.061	56	59140	10.51	PPBV		98
19) FREON 123	2.074	83	283056	11.16	PPBV		96
20) FREON 123A	2.094	117	175929	11.14	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.158	101	298153	10.19	PPBV		100
22) ISOPROPYL ALCOHOL	2.174	45	271308	10.99	PPBV		98
23) ACETONE	2.100	58	69004	8.91	PPBV		76
24) PENTANE	2.270	42	134896	11.37	PPBV		94
25) IODOMETHANE	2.332	142	315141	11.75	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.361	96	122491	10.60	PPBV		91
27) CARBON DISULFIDE	2.492	76	323192	11.23	PPBV		95
28) ETHANOL	1.962	45	83325	12.33	PPBV		99
29) BROMOETHENE	2.029	106	116594	10.98	PPBV		98
30) ACRYLONITRILE	2.242	52	96843	10.10	PPBV		96
31) METHYLENE CHLORIDE	2.396	84	108432	10.28	PPBV		95
32) 3-CHLOROPROPENE	2.438	76	55416	10.10	PPBV		92
33) FREON 113	2.492	151	201753	11.53	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.717	96	128575	10.69	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.373	59	253933	8.94	PPBV		96
36) METHYL TERTIARY BUTYL ...	2.827	73	338032	9.82	PPBV		98
37) TETRAHYDROFURAN	3.508	72	60150	11.28	PPBV		98
38) HEXANE	3.277	57	234037	10.66	PPBV		93
39) VINYL ACETATE	2.862	86	31007	9.52	PPBV		96
40) 1,1-DICHLOROETHANE	2.795	63	237715	11.04	PPBV		99
41) METHYL ETHYL KETONE	2.959	72	65551	11.07	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.151	96	137737	11.11	PPBV		98
43) DIISOPROPYL ETHER	3.283	59	66825	10.99	PPBV		98
44) ETHYL ACETATE	3.287	61	46927	11.16	PPBV		96
45) METHYL ACRYLATE	3.274	55	268924	10.90	PPBV	#	99
46) CHLOROFORM	3.299	83	262353	10.77	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.785	57	272438	11.22	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.865	97	265792	10.17	PPBV		99
49) CARBON TETRACHLORIDE	4.283	117	274890	10.61	PPBV		97
50) 1,2-DICHLOROETHANE	3.701	62	186037	10.20	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12939.D
Acq On : 23 Feb 2025 6:55 pm
Operator : benk
Sample : cc405-10
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 19:23:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	390671	10.97	PPBV	98
53)	CYCLOHEXANE	4.380	84	177071	11.54	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.634	71	88839	11.02	PPBV	93
55)	TRICHLOROETHENE	5.061	95	183695	11.12	PPBV	98
56)	1,2-DICHLOROPROPANE	4.830	63	159172	11.30	PPBV	95
57)	DIBROMOMETHANE	4.791	174	172685	11.13	PPBV	91
58)	ETHYL ACRYLATE	4.949	55	331108	11.06	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	287022	10.91	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	731315	11.71	PPBV	100
61)	1,4-DIOXANE	5.077	88	95827	10.41	PPBV	97
62)	HEPTANE	5.470	43	253854	11.56	PPBV	98
63)	METHYL METHACRYLATE	5.367	69	146282	10.37	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.093	58	145262	11.08	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	233429	10.58	PPBV	93
66)	TOLUENE	7.187	91	490685	10.69	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	237015	11.06	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	197294	9.51	PPBV	94
69)	1,1,2-TRICHLOROETHANE	6.820	83	144299	11.44	PPBV	98
70)	2-HEXANONE	7.759	58	198361	9.69	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	241197	9.83	PPBV	98
72)	TETRACHLOROETHENE	8.907	164	210248	12.09	PPBV	96
73)	DIBROMOCHLOROMETHANE	7.720	129	305919	11.54	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	276523	11.97	PPBV	100
75)	OCTANE	9.055	43	352342	11.33	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	216556	11.24	PPBV	97
78)	CHLOROBENZENE	10.106	112	419772	11.97	PPBV	98
79)	ETHYLBENZENE	10.987	91	655911	11.05	PPBV	98
80)	M,P-XYLENE	11.418	91	1014689	21.80	PPBV	98
81)	O-XYLENE	12.347	91	516268	11.04	PPBV	97
82)	STYRENE	12.135	104	410501	12.26	PPBV	98
83)	NONANE	13.469	43	364141	11.34	PPBV	97
84)	BROMOFORM	11.228	173	289306	12.52	PPBV	98
85)	1,1,2,2-TETRACHLOROETHANE	12.357	83	378614	12.17	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	283046	11.40	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	211255	11.83	PPBV	92
89)	BROMOBENZENE	13.720	77	352958	10.60	PPBV	92
90)	2-CHLOROTOLUENE	14.852	126	191443	11.78	PPBV	99
91)	N-PROPYLBENZENE	15.193	120	221249	12.22	PPBV	98
92)	4-ETHYLTOLUENE	15.640	105	761718	11.73	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	627704	11.49	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	323220	11.58	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	158635	12.13	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	641338	11.64	PPBV	95
97)	BENZYL CHLORIDE	16.627	91	397758	8.15	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	448058	11.92	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	454851	12.43	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	421837	11.88	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	194060	11.91	PPBV	98
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	608175	11.02	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	209944	11.62	PPBV	97
104)	N-BUTYLBENZENE	17.395	134	206003	11.67	PPBV	96
105)	HEXACHLOROETHANE	17.572	117	228058	10.85	PPBV	93
106)	HEXACHLOROBUTADIENE	18.633	225	327767	12.41	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.321	180	377056	12.43	PPBV	99
108)	NAPHTHALENE	18.369	128	761796	11.31	PPBV	99
110)	TVHC as equiv Pentane	2.270	TIC	641473	11.33	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12939.D
Acq On : 23 Feb 2025 6:55 pm
Operator : benk
Sample : cc405-10
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 19:23:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

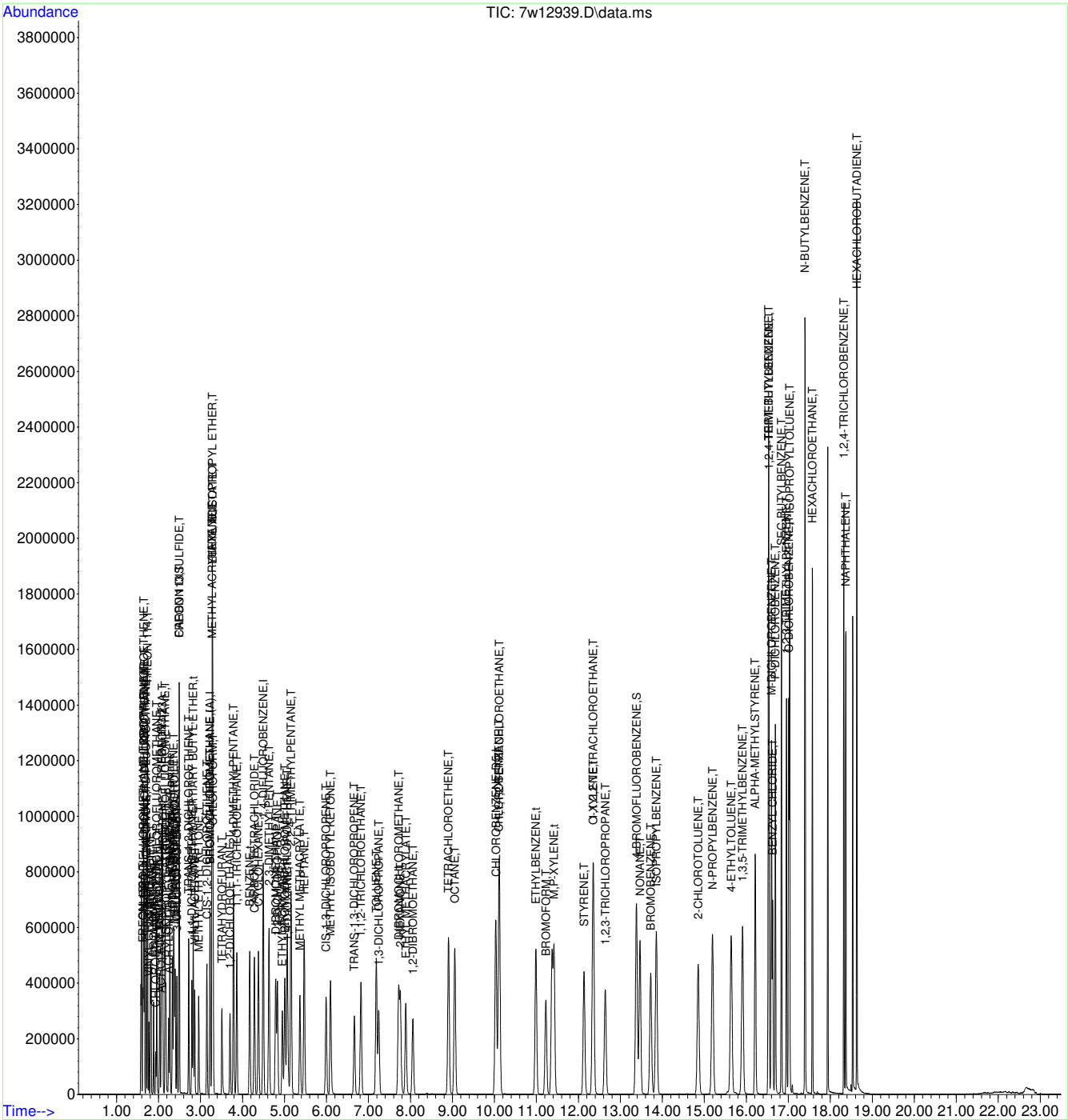
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12939.D
Acq On : 23 Feb 2025 6:55 pm
Operator : benk
Sample : cc405-10
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 19:23:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12972.D
Acq On : 24 Feb 2025 5:25 pm
Operator : benk
Sample : ecc405-10 Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:03:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	129242	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	627818	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	586951	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	129242	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	434383	10.20	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.624	65	68090	11.0632	PPBV	93
4) CHLORODIFLUOROMETHANE	1.637	67	29711	9.5092	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.650	116	164019	10.8980	PPBV	95
6) DICHLORODIFLUOROMETHANE	1.666	85	336350	10.4378	PPBV	97
7) PROPYLENE	1.647	41	88475	10.4317	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	222360	9.3167	PPBV	97
9) FREON 114	1.737	85	289812	11.3381	PPBV	97
10) CHLOROMETHANE	1.708	52	35438	10.5935	PPBV	99
11) VINYL CHLORIDE	1.769	62	126997	11.7487	PPBV	100
12) 1,3-BUTADIENE	1.808	54	100941	10.9595	PPBV	90
13) N-BUTANE	1.824	43	177124	10.5671	PPBV	98
14) BROMOMETHANE	1.882	94	106789	11.0505	PPBV	99
15) CHLOROETHANE	1.933	64	65962	11.2760	PPBV	88
16) DICHLOROFLUOROMETHANE	1.956	67	243777	10.6975	PPBV	98
17) ACETONITRILE	2.023	41	106636	10.2657	PPBV	97
18) ACROLEIN	2.062	56	56542	10.3637	PPBV	99
19) FREON 123	2.075	83	274321	11.1551	PPBV	96
20) FREON 123A	2.094	117	170344	11.1257	PPBV	100
21) TRICHLOROFLUOROMETHANE	2.158	101	286424	10.0930	PPBV	99
22) ISOPROPYL ALCOHOL	2.174	45	253984	10.6079	PPBV	98
23) ACETONE	2.100	58	67316	8.9646	PPBV	75
24) PENTANE	2.271	42	129957	11.2999	PPBV	94
25) IODOMETHANE	2.332	142	308085	11.8459	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.361	96	118704	10.5927	PPBV	90
27) CARBON DISULFIDE	2.496	76	310668	11.1323	PPBV	95
28) ETHANOL	1.962	45	79766	12.1700	PPBV	99
29) BROMOETHENE	2.033	106	112066	10.8850	PPBV	96
30) ACRYLONITRILE	2.242	52	93526	10.0631	PPBV	97
31) METHYLENE CHLORIDE	2.396	84	104877	10.2525	PPBV	94
32) 3-CHLOROPROPENE	2.438	76	53972	10.1419	PPBV	91
33) FREON 113	2.493	151	197706	11.6521	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.721	96	125755	10.7797	PPBV	92
35) TERTIARY BUTYL ALCOHOL	2.374	59	247005	8.9703	PPBV	95
36) METHYL TERTIARY BUTYL ...	2.827	73	331600	9.9401	PPBV	98
37) TETRAHYDROFURAN	3.509	72	58512	11.3187	PPBV	98
38) HEXANE	3.277	57	228162	10.7192	PPBV	92
39) VINYL ACETATE	2.862	86	30841	9.7677	PPBV	94
40) 1,1-DICHLOROETHANE	2.795	63	231974	11.1135	PPBV	100
41) METHYL ETHYL KETONE	2.955	72	63319	11.0274	PPBV	99
42) CIS-1,2-DICHLOROETHENE	3.152	96	134261	11.1736	PPBV	98
43) DIISOPROPYL ETHER	3.280	59	64813	10.9950	PPBV	100
44) ETHYL ACETATE	3.287	61	46740	11.4609	PPBV	93
45) METHYL ACRYLATE	3.274	55	266475	11.1433	PPBV #	99
46) CHLOROFORM	3.300	83	254099	10.7565	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.788	57	264275	11.2296	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	256302	10.1176	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	259228	10.3181	PPBV	97
50) 1,2-DICHLOROETHANE	3.701	62	181446	10.2591	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12972.D
Acq On : 24 Feb 2025 5:25 pm
Operator : benk
Sample : ecc405-10 Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:03:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) BENZENE	4.171	78	378835	10.9753	PPBV	99
53) CYCLOHEXANE	4.380	84	171391	11.5547	PPBV	96
54) 2,3-DIMETHYLPENTANE	4.634	71	87137	11.1890	PPBV	94
55) TRICHLOROETHENE	5.062	95	178498	11.1849	PPBV	97
56) 1,2-DICHLOROPROPANE	4.833	63	155870	11.4485	PPBV	95
57) DIBROMOMETHANE	4.791	174	170105	11.3439	PPBV	90
58) ETHYL ACRYLATE	4.949	55	327716	11.3283	PPBV	100
59) BROMODICHLOROMETHANE	5.007	83	277034	10.8961	PPBV	98
60) 2,2,4-TRIMETHYLPENTANE	5.155	57	712179	11.7968	PPBV	99
61) 1,4-DIOXANE	5.078	88	93864	10.5483	PPBV	98
62) HEPTANE	5.470	43	248484	11.7120	PPBV	98
63) METHYL METHACRYLATE	5.367	69	144324	10.5845	PPBV	98
64) METHYL ISOBUTYL KETONE	6.094	58	140925	11.1261	PPBV	93
65) CIS-1,3-DICHLOROPROPENE	5.991	75	227775	10.6828	PPBV	93
66) TOLUENE	7.187	91	480747	10.8370	PPBV	100
67) 1,3-DICHLOROPROPANE	7.248	76	232026	11.1991	PPBV	99
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	190648	9.5115	PPBV	94
69) 1,1,2-TRICHLOROETHANE	6.820	83	140869	11.5523	PPBV	99
70) 2-HEXANONE	7.759	58	194931	9.8557	PPBV	92
71) ETHYL METHACRYLATE	7.888	69	238589	10.0645	PPBV	98
72) TETRACHLOROETHENE	8.907	164	205509	12.2267	PPBV	96
73) DIBROMOCHLOROMETHANE	7.721	129	293976	11.4747	PPBV	100
74) 1,2-DIBROMOETHANE	8.058	107	269622	12.0782	PPBV	100
75) OCTANE	9.055	43	345517	11.4942	PPBV	97
77) 1,1,1,2-TETRACHLOROETHANE	10.122	131	208655	11.1226	PPBV	96
78) CHLOROBENZENE	10.110	112	412284	12.0710	PPBV	97
79) ETHYLBENZENE	10.987	91	640180	11.0736	PPBV	98
80) M,P-XYLENE	11.418	91	987957	21.8004	PPBV	99
81) O-XYLENE	12.347	91	506916	11.1374	PPBV	97
82) STYRENE	12.135	104	401612	12.3203	PPBV	97
83) NONANE	13.470	43	359502	11.4992	PPBV	98
84) BROMOFORM	11.225	173	281030	12.4894	PPBV	98
85) 1,1,2,2-TETRACHLOROETHANE	12.360	83	372410	12.2947	PPBV	98
86) 1,2,3-TRICHLOROPROPANE	12.640	75	276192	11.4291	PPBV	100
88) ISOPROPYLBENZENE	13.852	120	207359	11.9253	PPBV	92
89) BROMOBENZENE	13.724	77	347045	10.7067	PPBV	92
90) 2-CHLOROTOLUENE	14.852	126	188394	11.9104	PPBV	100
91) N-PROPYLBENZENE	15.193	120	215455	12.2251	PPBV	98
92) 4-ETHYLTOLUENE	15.640	105	743450	11.7612	PPBV	97
93) 1,3,5-TRIMETHYLBENZENE	15.913	105	615182	11.5641	PPBV	96
94) ALPHA-METHYLSTYRENE	16.215	118	320302	11.7895	PPBV	99
95) TERT-BUTYLBENZENE	16.527	134	155416	12.2066	PPBV	97
96) 1,2,4-TRIMETHYLBENZENE	16.537	105	632707	11.7911	PPBV	96
97) BENZYL CHLORIDE	16.627	91	374944	7.8910	PPBV	99
98) M-DICHLOROBENZENE	16.598	146	442899	12.1010	PPBV	99
99) P-DICHLOROBENZENE	16.691	146	451849	12.6845	PPBV	98
100) O-DICHLOROBENZENE	17.006	146	424476	12.2823	PPBV	99
101) SEC-BUTYLBENZENE	16.836	134	194478	12.2572	PPBV	97
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	606159	11.2775	PPBV	97
103) P-ISOPROPYLTOLUENE	17.029	134	210371	11.9607	PPBV	98
104) N-BUTYLBENZENE	17.392	134	206779	12.0328	PPBV	97
105) HEXACHLOROETHANE	17.572	117	215043	10.5040	PPBV	93
106) HEXACHLOROBUTADIENE	18.630	225	328890	12.7930	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.318	180	378355	12.8078	PPBV	99
108) NAPHTHALENE	18.366	128	767928	11.7124	PPBV	99
110) TVHC as equiv Pentane	2.274	TIC	595072	10.8437	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12972.D
Acq On : 24 Feb 2025 5:25 pm
Operator : benk
Sample : ecc405-10 Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:03:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

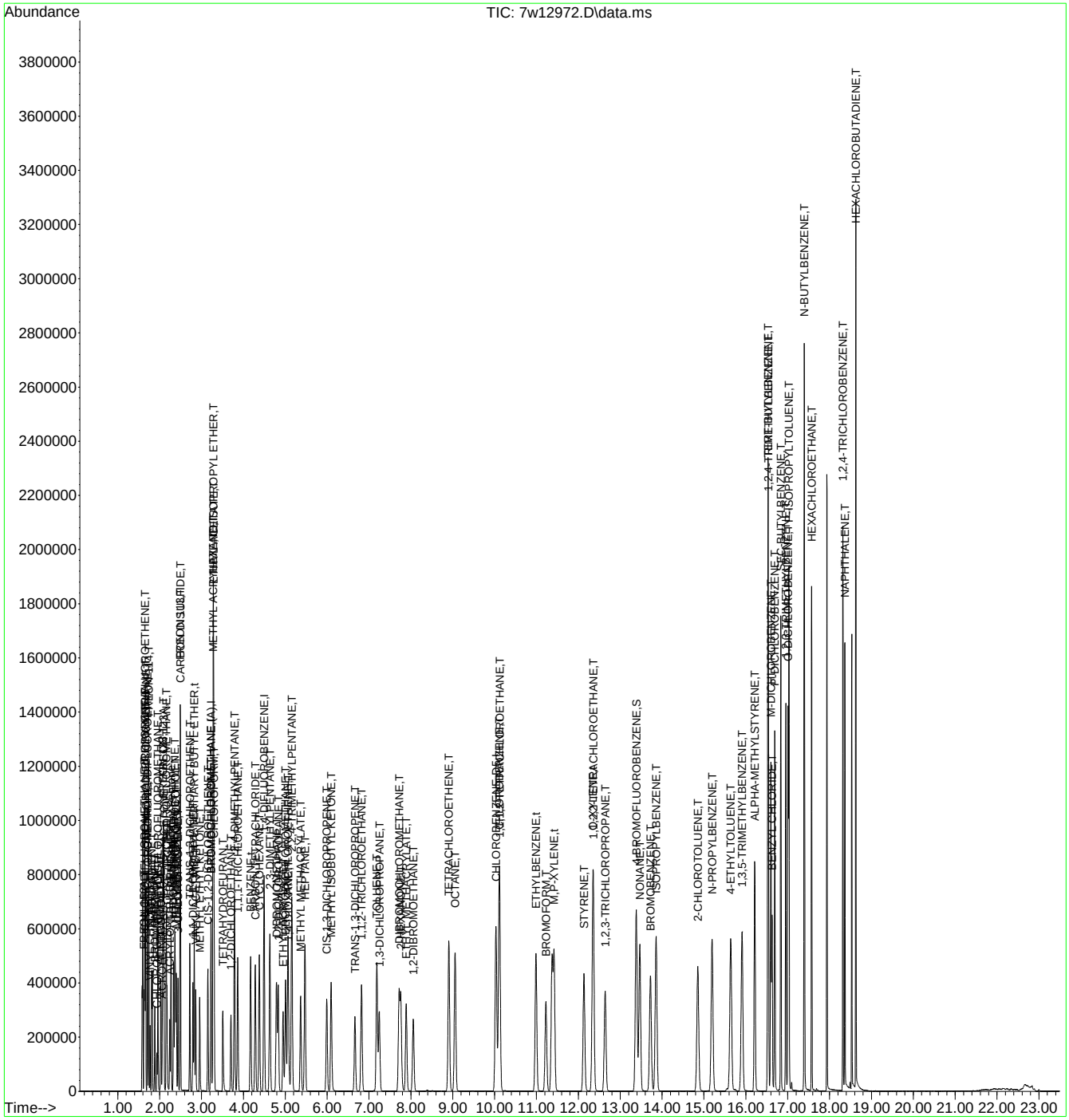
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-25-25\V7W457 hw\
Data File : 7w12972.D
Acq On : 24 Feb 2025 5:25 pm
Operator : benk
Sample : ecc405-10 Inst : MS7W
Misc : MS89637,v7w457,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 02:03:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10298	5/31/2025	100
TO-15 STD	A1789	AS10545	2/7/2025	0.4
TO-15 STD	A1261	AS10534	2/6/2025	40.0
TO-15 STD	A2035	AS10547	2/8/2025	4
TO-15 LCS	A967	AS10539	2/6/2025	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2144
Date: 1/8/2025
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250108.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-4	ib	5w55981			a967	20					-	
1-3	ib	5w55982			a1261	20					-	
1-2	ib	5w55983			a1789	20					-	
1-1	0,0,0	5w55984			a2039	0					-	
1-1	0,0,0	5w55985			A2039	0					-	
1-1	0,0,0	5w55986			A2039	0					-	
1-1	istd only	5w55987			A2039	0					-	
1-1	istd only	5w55988			A2039	0					-	
1-1	istd only	5w55989			A2039	0					-	
1-1	ib	5w55990			A2039	400					-	
1-1	ib	5w55991			A2039	400					-	
1-1	ib	5w55992			A2039	400					-	
1-1	bfb	5w55993			a1789	20					OK	T = 23:56
1-2	ic2144-0.04	5w55994			a1789	40					OK	
1-2	ic2144-0.1	5w55995			A1789	100					OK	
1-2	ic2144-0.2	5w55996			A1789	200					OK	
1-2	ic2144-0.5	5w55997			A1789	500					RR	
1-1	ib	5w55998			A2039	400					-	
1-1	ib	5w55999			A2039	400					-	
1-3	ic2144-0.5	5w56000			a1261	5					NOT USED	Testing purposes only.
1-3	ic2144-5	5w56001			a1261	50					OK	
1-3	icc2144-10	5w56002			a1261	100					OK	
1-3	ic2141-20	5w56003			a1261	200					OK	
1-3	ic2141-40	5w56004			a1261	400					OK	
1-3	ic2141-50	5w56005			a1261	500					OK	
1-1	ib	5w56006			a2039	200					-	
1-1	ib	5w56007			a2039	400					-	
1-4	ib	5w56008			a1261	5					-	
1-1	ib	5w56009			a1261	5					-	
1-5	ib	5w56010			a2035	50					-	
1-1	ib	5w56011			a2039	200					-	
1-1	ib	5w56012			a2039	400					-	
1-6	ic2144-0.5	5w56013			a2035	50					OK	
1-4	icv2144-10	5w56014			a967	80					OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10298	5/31/2025	100
TO-15 STD	A1789	AS10545	2/7/2025	0.4
TO-15 STD	A1261	AS10534	2/6/2025	40.0
TO-15 STD	A2035	AS10547	2/8/2025	4
TO-15 LCS	A967	AS10539	2/6/2025	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V5W2144**
Date: **1/8/2025**
Laboratory Analyst: **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250108.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): **Thomas Hilbig**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10551	12/17/2025	100
TO-15 STD	a1791	as10561	2/22/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2159
Date: 1/24/2025
Laboratory Analyst: William Cruser
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250124.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): Lucky Carandang
Data Validator(s):

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-5	bfb	5w56370			OPEN	400					OK	T = 8:54
SS4	cc2144-10	5w56371			a1791	80			√	√	OK	
SS4	bs	5w56372			a1791	80			√	√	OK	
SS4	bsd	5w56373			a1791	80			√	√	OK	
1-2	ib	5w56374			A2039	100			√	√	OK	
1-2	ib	5w56375			A2039	400			√	√	OK	
1-2	mb	5w56376			A2039	400			√	√	RR	nap↑
1-2	mb	5w56377			A2039	400			√	√	OK	
1-6	scc,cp12977	5w56378			a881	400			√	√	OK	
1-7	scc,cp12977	5w56379			a2104	400			√	√	OK	
1-8	scc,cp12963	5w56380			a832	400			√	√	RECLEAN	mecl - 0.35; hex - 0.28
1-12	scc,cp12977	5w56381			a1596	400			√	√	OK	
1-1	scc,cp12974	5w56382			a243	400			√	√	OK	
1-2	scc,cp12974	5w56383			a2118	400			√	√	OK	
1-3	scc,cp12974	5w56384			a1291	400			√	√	OK	
1-4	scc,cp12981	5w56385			a1627	400			√	√	OK	
1-5	scc,cp12981	5w56386			m004	400			√	√	OK	
1-9	scc,cp12981	5w56387			a309	400			√	√	OK	
1-10	scc,cp12980	5w56388			a1202	400			√	√	OK	
1-11	scc,cp12980	5w56389			a1166	400			√	√	OK	
1-13	scc,cp12980	5w56390			m237	400			√	√	OK	
1-14	scc,cp12979	5w56391			a1885	100			√	√	OK	
1-15	scc,cp12979	5w56392			a2434	100			√	√	OK	
1-16	scc,cp12979	5w56393			a2320	100			√	√	OK	
1-6	scc,cp12979	5w56394			a1423	100			√	√	OK	
1-7	scc,cp12979	5w56395			a1996	100						wrong sample?

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS9819	1/31/2025	100
TO-15 SIM STD	A2040	AS10553	2/18/2025	0.40
TO-15 SIM STD	A2045	AS10552	2/17/2025	4.00
TO-15 SIM STD	A2043	AS10564	3/2/2025	0.04
TO-15 SIM LCS	A1810	AS10565	3/2/2025	0.40
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V6W1441
Date: 1/29/2025
Laboratory Analyst: Benjamin Kim
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250129ical.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: Benjamin Kim
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-4	ib	6w34712			A2045	20						
2-3	ib	6w34713			A2040	20						
2-2	ib	6w34714			A2042	20						
2-3	bfb	6w34715			A2040	20					NOT USED	Wrong position
2-3	ic1441-0.002	6w34716	MS80372	SIM	A2040	20					NOT USED	Wrong position
2-3	bfb	6w34717			A2040	20					NOT USED	Wrong position
2-3	ic1441-0.002	6w34718	MS80372	SIM	A2040	20					NOT USED	Wrong position
2-3	bfb	6w34719			A2040	20					OK	T = 19:24
2-3	ic1441-0.02	6w34720	MS80372	SIM	A2040	20			√	√	OK	
2-3	ic1441-0.05	6w34721	MS80372	SIM	A2040	50			√	√	OK	
2-3	icc1441-0.10	6w34722	MS80372	SIM	A2040	100			√	√	OK	
2-3	ic1441-0.20	6w34723	MS80372	SIM	A2040	200			√	√	OK	
2-3	ic1441-0.50	6w34724	MS80372	SIM	A2040	500			√	√	OK	
2-2	ib	6w34725			A2045	5						
2-4	ic1441-0.05	6w34726	MS80372	SIM	A2045	5					NOT USED	Method development
2-4	icc1441-0.1	6w34727	MS80372	SIM	A2045	10					NOT USED	Method development
2-4	ic1441-0.2	6w34728	MS80372	SIM	A2045	20					NOT USED	Method development
2-4	ic1441-0.5	6w34729	MS80372	SIM	A2045	50					NOT USED	Method development
2-4	ic1441-1.0	6w34730	MS80372	SIM	A2045	100			√	√	OK	
2-4	ic1441-2.0	6w34731	MS80372	SIM	A2045	200					NOT USED	Method development
2-4	ic1441-5.0	6w34732	MS80372	SIM	A2045	500			√	√	OK	
2-2	ib	6w34733			A2042	20						
2-2	ib	6w34734			A2042	20						
2-1	ib	6w34735			A2043	20						
2-1	ic1441-0.002	6w34736	MS80372	SIM	A2043	20			√	√	OK	
2-1	ic1441-0.005	6w34737	MS80372	SIM	A2043	50			√	√	OK	
2-1	icc1441-0.010	6w34738	MS80372	SIM	A2043	100			√	√	OK	
2-1	ic1441-0.020	6w34739	MS80372	SIM	A2043	200					NOT USED	Method development
2-1	ic1441-0.050	6w34740	MS80372	SIM	A2043	500					NOT USED	Method development
2-2	ib	6w34741			A2042	20						
2-2	ib	6w34742			A2042	20						
2-2	ib	6w34743			A2042	20						
2-5	ib	6w34744			A1810	20						
2-5	icv1441-0.1	6w34745	MS80372	SIM	A1810	20					RR	Leaky port, wrong volume
2-6	icv1441-0.1	6w34746	MS80372	SIM	A1810	100			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS9819	1/31/2025	100
TO-15 SIM STD	A2040	AS10553	2/18/2025	0.40
TO-15 SIM STD	A2045	AS10552	2/17/2025	4.00
TO-15 SIM STD	A2043	AS10564	3/2/2025	0.04
TO-15 SIM LCS	A1810	AS10565	3/2/2025	0.40
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V6W1441**
Date: **1/29/2025**
Laboratory Analyst: **Benjamin Kim**
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250129ical.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: **Benjamin Kim**
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS9819	1/31/2025	100
TO-15 SIM STD	A2040	AS10553	2/18/2025	0.40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V6W1442
Date: 1/30/2025
Laboratory Analyst: Benjamin Kim
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250130.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: Benjamin Kim
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-2	bfb	6w34747			A2042	20					OK	T = 16:13
2-1	cc1441-0.1	6w34748	MS80372	SIM	A2040	100			√	√	OK	
2-1	bs	6w34749	MS80372	SIM	A2040	100			√	√	OK	
2-1	bsd	6w34750	MS80372	SIM	A2040	100			√	√	OK	
2-2	ib	6w34751			A2042	100					-	
2-2	ib	6w34752			A2042	200					-	
2-2	mb	6w34753			A2042	400			√	√	OK	
2-3	scc,cp12974	6w34754			A1291	400			√	√	OK	
2-4	scc,cp12978	6w34755			A1597	400			√	√	OK	
2-5	scc,cp12980	6w34756			M237	400			√	√	OK	
2-6	scc,cp12981	6w34757			A1627	400			√	√	OK	
2-7	scc,cp12978	6w34758			A1735	400			√	√	OK	
2-8	scc,cp12981	6w34759			M004	400			√	√	OK	
2-9	je4441-1	6w34760	MS89061	SL	A2455	400	1		√	√	OK	
2-10	je4441-2	6w34761	MS89061	SL	A2456	400	1		√	√	OK	
2-11	je4441-3	6w34762	MS89061	SL	A2462	400	1		√	√	OK	
2-12	je4441-4	6w34763	MS89061	SL	A2474	400	1		√	√	OK	
2-12	je4441-4dup	6w34764	MS89061	SL	A2474	400	1		√	√	OK	
2-13	je4458-1	6w34765	MS89066	SL	A2486	400	1		√	√	OK	
2-14	je4458-2	6w34766	MS89066	SL	A2489	400	1		√	√	OK	
2-14	je4458-2dup	6w34767	MS89066	SL	A2489	400	1		√	√	OK	
2-15	je4458-3	6w34768	MS89066	SL	A2518	400	1		√	√	OK	
2-16	je4458-4	6w34769	MS89066	SL	A2520	400	1		√	√	OK	
2-2	je4458-5	6w34770	MS89066	SL	A2522	400	1		√	√	OK	
1-1	je4678-1	6w34771	MS89164	SL	a2528	400	1		√	√	OK	
1-2	je4678-2	6w34772	MS89164	SL	a2443	400	1		√	√	OK	
1-3	je4678-3	6w34773	MS89164	SL	a2453	400	1		√	√	OK	
1-3	je4678-3dup	6w34774	MS89164	SL	a2453	400	1		√	√	OK	
1-4	je4678-4	6w34775	MS89164	SL	a2457	400	1		√	√	OK	
1-5	scc,cp12980	6w34776			A1166	400			√	√	OK	
1-6	scc,cp12977	6w34777			A1596	400			√	√	OK	
1-7	scc,cp12974	6w34778			A243	400			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS10585	2/11/2026	100
TO-15 SIM STD	A2038	AS10579	3/5/2025	0.40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V6W1450
Date: 2/16/2025
Laboratory Analyst: Benjamin Kim
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250216.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: Geralyn Gomez
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	6w34956			A2042	20					OK	T = 8:21
1-1	cc1441-0.1	6w34957	MS80372	SIM	A2038	100			√	√	OK	
1-1	bs	6w34958	MS80372	SIM	A2038	100			√	√	OK	
1-1	bsd	6w34959	MS80372	SIM	A2038	100			√	√	OK	
1-2	ib	6w34960			A2042	200					-	
1-2	mb	6w34961			A2042	400			√	√	OK	
1-15	je5343-5	6w34962	MS89541	SL	M117	400	1		√	√	OK/DL	↑ Toluene, RR = 2x
1-16	je5343-6	6w34963	MS89541	SL	A1356	400	1		√	√	OK	
2-1	je5344-5	6w34964	MS89541	SL	A1735	400	1		√	√	OK	
2-2	je5344-10	6w34965	MS89541	SL	M237	400	1		√	√	OK	
1-15	je5343-5	6w34966	MS89541	SL	M117	200	1		√	√	OK/DL	
1-3	je5461-1	6w34967	MS89567	SL	A2492	620	1.55		√	√	OK	
1-4	je5461-2	6w34968	MS89567	SL	A2485	400	1		√	√	OK/DL	↑ $MeCl_2$, RR = 2x
1-5	je5461-3	6w34969	MS89567	SL	A2527	620	1.55		√	√	OK	
1-6	je5461-4	6w34970	MS89567	SL	A2532	592	1.48		√	√	OK	
1-6	je5461-4dup	6w34971	MS89567	SL	A2532	592	1.48		√	√	OK	
1-4	je5461-2	6w34972	MS89567	SL	A2485	200	1		√	√	OK/DL	
1-1	ecc1441-0.1	6w34973	MS80372	SIM	A2038	100			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	SN	Lot Number	Expiration Date	Concentration (ppbv)
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A1787	AS10529	1/28/2025	0.5
TO-15 STD	A966	AS10528	1/27/2025	5.0
TO-15 STD	A1805	AS10522	1/18/2025	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W405
Date: 12/28/2024
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-5	ib	7w11219			A1795	20						
2-4	ib	7w11220			A1805	20						
2-3	ib	7w11221			A966	20						
2-2	ib	7w11222			A1787	20						
2-1	ib	7w11223			A2036	20						
2-1	ib	7w11224			A2036	20						
2-1	ib	7w11225			A2036	20						
2-1	ib	7w11226			A2036	20						
2-1	ib	7w11227			A2036	20						
2-1	ib	7w11228			A2036	20						
2-1	ib	7w11229			A2036	20						
2-1	ib	7w11230			A2036	20						
2-1	ib	7w11231			A2036	20						
2-2	bfb	7w11232			A1787	32					OK	T = 8:40
2-2	ic405-0.04	7w11233	MS80966		A1787	32			√	√	OK	
2-2	ic405-0.1	7w11234	MS80966		A1787	80			√	√	OK	
2-2	ic405-0.2	7w11235	MS80966		A1787	160			√	√	OK	
2-2	ic405-0.5	7w11236	MS80966		A1787	320					NOT USED	Testing purposes
2-3	ic405-0.5	7w11237	MS80966		A966	40			√	√	OK	
2-3	ic405-5	7w11238	MS80966		A966	400			√	√	OK	
2-4	ic405-5	7w11239	MS80966		A1805	40					NOT USED	Testing purposes
2-4	icc405-10	7w11240	MS80966		A1805	80			√	√	OK	
2-4	ic405-20	7w11241	MS80966		A1805	160			√	√	OK	
2-4	ic405-40	7w11242	MS80966		A1805	320			√	√	OK	
2-4	ic405-50	7w11243	MS80966		A1805	400			√	√	OK	
2-1	ib	7w11244			A2036	200					-	
2-1	ib	7w11245			A2036	400					-	
2-1	ib	7w11246			A2036	400					-	
2-5	icv405-10	7w11247	MS80966		A1795	80			√	√	OK	
2-5	ib	7w11248			A1795	80					-	
2-1	ib	7w11249			A2036	200					-	
2-1	ib	7w11250			A2036	400					-	
2-1	ib	7w11251			A2036	400					-	
2-1	ib	7w11252			A2036	400					-	
2-1	ib	7w11253			A2036	400					-	
2-1	ib	7w11254			A2036	400					-	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	Initial	Sample ID	Canister SN	Vacuum at Time of Dilution (inHg)	Final Pressure (psig)	Dilution Factor	Canister SN	Canister Volume (cc)	Sample Volume Added (cc)	Final Pressure (psig)	Equivalent Total Volume (cc)	Dilution Factor	Final Canister Dilution Factor

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A1787	AS10529	1/28/2025	0.5
TO-15 STD	A966	AS10528	1/27/2025	5.0
TO-15 STD	A1805	AS10522	1/18/2025	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W405
Date: 12/28/2024
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W423
Date: 1/16/2025
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250116.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D8	bfb	7w11817			OPEN	400			√	√	OK	t= 10:57
1-4	cc405-10	7w11818			A974	100			√	√	OK	
1-4	bs	7w11819			A974	100			√	√	OK	
1-4	bsd	7w11820			A974	100			√	√	OK	
1-1	ib	7w11821			a2036	100			√	√	OK	
1-1	mb	7w11822			a2036	400			√	√	OK	
a1	je3956-1	7w11823	MS88809	STD, NAP	a1395	100	1		√	√	OK	
d1	je3528-1	7w11824	MS88629	BTXMT	tbag,a523	100	1		√	√	OK	
d1	je3528-1dup	7w11825	MS88629	BTXMT	tbag,a523	100	1		√	√	OK	
a2	scc,cp12972	7w11826			a1370	100			√	√	RECLEAN	
a3	scc,cp12972	7w11827			a1538	100			√	√	RECLEAN	
a4	scc,cp12972	7w11828			a1964	100			√	√	RECLEAN	
a5	scc,cp12972	7w11829			a2560	100			√	√	RECLEAN	
1-2	scc,cp12971	7w11830			m129	400			√	√	OK	
1-3	scc,cp12971	7w11831			a1751	400			√	√	OK	
1-4	scc,cp12973	7w11832			a458	400			√	√	OK	
1-5	scc,cp12967	7w11833			a2487	400			√	√	OK	
1-6	scc,cp12967	7w11834			a2521	400			√	√	OK	
1-7	scc,cp12967	7w11835			a2479	400			√	√	OK	
1-8	scc,cp12967	7w11836			a2464	400			√	√	RECLEAN	
1-9	scc,cp12967	7w11837			a2499	400			√	√	OK	
1-10	scc,cp12967	7w11838			a2483	400			√	√	OK	
1-11	scc,cp12967	7w11839			a2523	400			√	√	OK	
1-12	scc,cp12967	7w11840			a2446	400			√	√	OK	
1-13	scc,cp12967	7w11841			a2498	400			√	√	OK	
1-14	scc,cp12967	7w11842			a2459	400			√	√	RECLEAN	
1-5	scc,cp12967	7w11843			A2514	400			√	√	OK	
1-15	je3821-8	7w11844	MS88749	STD+	a2150	400	1	+	√	√	OK	
1-16	je3821-9	7w11845	MS88749	STD+	a1844	400	1	+	√	√	OK	
d2	je3821-10	7w11846	MS88749	STD+	a1832	400	1	+	√	√	OK	
d3	je3821-11	7w11847	MS88749	STD+	a343	400	1	+	√	√	OK	
d4	je3821-12	7w11848	MS88749	STD+	a2049	400	1	+	√	√	OK	
a6	je4003-1	7w11849	MS88862	STD, NAP	a1954	100	1		√	√	OK	
a7	je3905-3	7w11850	MS88797	STD	a2205	100	1		√	√	OK	t= 10:42
a8	je3905-2	7w11851	MS88797	STD	a2327	100	1				RR	sequence stopped by analyst
a9	je3905-1	7w11852	MS88797	STD	a2370	100	1				RR	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/15/2025	wc	je4149-1	tbag					500	5		500	100	**0**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W423
Date: 1/16/2025
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250116.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W426
Date: 1/19/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250119.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Rosanlie Alfon
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D6	bfb	7w11928			OPEN	400					OK	T = 22:14
SS-4	cc405-10	7w11929			A974	100					RR	Bad injection
SS-4	cc405-10	7w11930			A974	100			√	√	OK	↑ F142B = NT; ↑ VC, CS_2
SS-4	bs	7w11931			A974	100			√	√	OK	↑ F142B = NT; ↑ VC, CS_2
SS-4	bsd	7w11932			A974	100			√	√	OK	↑ F142B = NT
2-1	ib	7w11933			A2036	100					-	
2-1	mb	7w11934			A2036	400		+	√	√	OK	
D7	je3858-1	7w11935	MS88754	SL	tbag,tbag	100	50		√	√	OK	
2-1	ib	7w11936			A2036	20					-	
D4	je3556-1a	7w11937	MS88718	SL	tbag	20	1		√	√	OK	
2-1	ib	7w11938			A2036	20					-	
D4	je3556-1a	7w11939	MS88718	SL	tbag	5	1		√	√	RR	rr= 200x
2-1	ib	7w11940			A2036	20					-	
C8	je3556-2a	7w11941	MS88718	SL	tbag,tbag	200	500		√	√	RR	too dilute?
2-1	ib	7w11942			A2036	20					-	
C9	je3556-3a	7w11943	MS88718	SL	tbag,tbag	80	1000		√	√	RR	too dilute?
2-1	ib	7w11944			A2036	20					-	
A1	je4060-1	7w11945	MS88879	SL,ETHL,TBA	A2589	152	1.52		√	√	OK	
A1	je4060-1dup	7w11946	MS88879	SL,ETHL,TBA	A2589	152	1.52		√	√	OK	
2-2	scc,cp12968	7w11947			A1659	400			√	√	OK	
2-3	scc,cp12976	7w11948			A1736	400			√	√	OK	
2-4	scc,cp12963	7w11949			M167	400			√	√	OK	
2-5	scc,cp12969	7w11950			A077	400			√	√	OK	
2-6	scc,cp12969	7w11951			A007	400			√	√	OK	
2-7	scc,cp12969	7w11952			A1481	400			√	√	OK	
2-9	scc,cp12976	7w11953			A1297	400			√	√	OK	
2-10	scc,cp12975	7w11954			A1263	400			√	√	OK	
2-11	scc,cp12975	7w11955			A1586	400			√	√	OK	
D6	je3556-1a	7w11956	MS88718	SL	tbag,tbag	200	100		√	√	OK	
2-1	ib	7w11957			A2036	20					-	
D7	je3556-2a	7w11958	MS88718	SL	tbag,tbag	200	500		√	√	OK	
2-1	ib	7w11959			A2036	20					-	
D8	je3556-3a	7w11960	MS88718	SL	tbag,tbag	80	1000		√	√	OK	
A2	scc,cp12972	7w11961			A1370	100			√	√	OK	
A3	scc,cp12972	7w11962			A2304	100			√	√	OK	
A4	scc,cp12972	7w11963			A1964	100			√	√	OK	
A5	scc,cp12972	7w11964			A2560	100			√	√	RR	outside bfb time t = 22:20

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/20/2025	BJK	je3858-1	tbag					500	10		500	50	**0**
1/20/2025	BJK	je3556-2	tbag					500	1		500	500	**0**
1/20/2025	BJK	je3556-3	tbag					500	0.5		500	1000	**0**
1/21/2025	WC	je3556-1	tbag					500	5		500	100	**0**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W426
Date: 1/19/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250119.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Rosanlie Alfon
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

Notes:

the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W427
Date: 1/21/2025
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250120.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Kristel Valladolid
Data Validator(s):

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
c3	bfb	7w11965			OPEN	400					OK	t= 8:52
SS-4	cc405-10	7w11966			A974	100					RR	↑ F142B, ↑CS_2
SS-4	cc405-10	7w11967			A974	100			√	√	OK	
SS-4	bs	7w11968			A974	100			√	√	OK	↑HCBD, ↑ F142B, ↑CS_2
SS-4	bsd	7w11969			A974	100			√	√	OK	↑124tcb, ↑HCBD, ↑ F142B, ↑CS_2
2-1	ib	7w11970			a2036	100					-	
2-1	mb	7w11971			a2036	400			√	√	OK	
a1	scc,cp12972	7w11972			a2560	100			√	√	OK	
2-2	je4061-1	7w11973	MS88879	SL	m162	400	1		√	√	OK	
2-2	je4061-1dup	7w11974	MS88879	SL	m162	400	1		√	√	OK	
a2	je4061-2	7w11975	MS88879	SL	a2247	100	1		√	√	OK	
a3	je4061-3	7w11976	MS88879	SL	a1449	100	1		√	√	OK	
c1	je4288-4	7w11977	MS89007	SL+	a2140	10	1.55		√	√	OK	
c1	je4288-4dup	7w11978	MS89007	SL+	a2140	10	1.55		√	√	OK	
c2	je4288-1	7w11979	MS89007	SL+	a2011,a1154	400	155		√	√	OK	
c3	je4288-2	7w11980	MS89007	SL+	a2050,a1128	400	158		√	√	OK	
c4	je4288-3	7w11981	MS89007	SL+	a209,a402	400	155		√	√	OK	
a4	je4088-2	7w11982	MS88885	SL	a1536	100	1		√	√	OK	
a5	je4088-3	7w11983	MS88885	SL	a2268	100	1		√	√	OK	
a6	je4088-4	7w11984	MS88885	SL	a2200	100	1		√	√	OK	
a7	je4088-5	7w11985	MS88885	SL	a2308	100	1		√	√	OK	
a8	je4088-6	7w11986	MS88885	SL	a2214	100	1		√	√	OK	
a9	je4088-7	7w11987	MS88885	SL	a1566	100	1		√	√	OK	
a10	je4088-8	7w11988	MS88885	SL	a2278	100	1		√	√	OK	
b1	je4088-9	7w11989	MS88885	SL	a1379	100	1		√	√	OK	
b2	je4088-10	7w11990	MS88885	SL	a2412	100	1		√	√	OK	
b3	je4088-1	7w11991	MS88885	SL	a1961	5	1		√	√	OK	
2-3	scc,cp12980	7w11992			a2157	400			√	√	OK	
2-4	scc,cp12980	7w11993			a1356	400			√	√	OK	
2-5	scc,cp12980	7w11994			a1723	400			√	√	OK	
2-6	scc,cp12980	7w11995			a1636	400			√	√	OK	
2-7	scc,cp12980	7w11996			a1320	400			√	√	OK	
2-8	scc,cp12980	7w11997			a1642	400			√	√	OK	
2-9	scc,cp12980	7w11998			a1731	400			√	√	OK	
2-10	scc,cp12980	7w11999			m117	400			√	√	OK	
2-11	scc,cp12980	7w12000			m237	400			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/21/2025	wc	je4288-1	a2011	9.0	1.30	1.55	a2011	1000	20	14.7	2000	100	**155**
1/21/2025	wc	je4288-2	a2050	9.5	1.10	1.58	a1128	1000	20	14.7	2000	100	**158**
1/21/2025	wc	je4288-3	a209	9.0	1.30	1.55	a402	1000	20	14.7	2000	100	**155**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

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MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W427**
Date: **1/21/2025**
Laboratory Analyst: **William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250120.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Kristel Valladolid**
Data Validator(s):

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

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MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W428
Date: 1/22/2025
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250122.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Kristel Valladolid
Data Validator(s): Rosanlie Alfon

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
c3	bfb	7w12000			OPEN	400					OK	
SS-4	cc405-10	7w12001			A974	100					OK	HCBD ↑, 124TCB ↑
SS-4	bs	7w12002			A974	100			√	√	OK	
SS-4	bsd	7w12003			A974	100					RR	Bad injection.
SS-4	bsd	7w12004			A974	100			√	√	OK	
2-1	ib	7w12005			a2036	100					-	
2-1	mb	7w12006			a2036	400		+	√	√	OK	
c1	je4331-2	7w12007	MS89007	STD+,NAP	a743	100	1				RR	
d1	je3685-5	7w12008	MS88718	STD	a339	5	1.18		√	√	OK	
d2	je3685-6	7w12009	MS88718	STD	a1086	5	1.23		√	√	OK	
d3	je3911-6	7w12010	MS88797	STD	a1204	50	1		√	√	OK	
c1	je4331-2	7w12011	MS89007	STD+,NAP	a743	400	1	+	√	√	OK	
a1	je4001-4	7w12012	MS88862	STD+	a2212	100	1	+	√	√	OK	
a2	je4286-3	7w12013	MS89007	SL	a1568	100	1		√	√	OK	
d4	je4288-1	7w12014	MS89007	SL+	a2011	5	1.55	+	√	√	OK	
d5	je4288-2	7w12015	MS89007	SL+	a2050	10	1.58	+	√	√	OK	
d5	je4288-2dup	7w12016	MS89007	SL+	a2050	10	1.58		√	√	OK	
d6	je4001-2	7w12017	MS88862	STD+	a2347,m441	40	608		√	√	OK	
2-4	scc, cp12980	7w12018			m237	400			√	√	OK	
c2	je4345-1	7w12019	MS89017	STDMA	a770	100	1		√	√	OK	
c3	je4345-2	7w12020	MS89017	STDMA	a905	100	1		√	√	OK	
c4	je4345-3	7w12021	MS89017	STDMA	a1617	100	1		√	√	OK/DL	↑ F113, RR = 50cc
c5	je4345-4	7w12022	MS89017	STDMA	a1682	50	1		√	√	OK/DL	↑ F113, RR = 10cc
c6	je4345-5	7w12023	MS89017	STDMA	a1656	50	1		√	√	OK/DL	↑ F113, RR = 10cc
c7	je4345-6	7w12024	MS89017	STDMA	a1681	50	1		√	√	OK/DL	↑ F113, RR = 25cc
c8	je4345-7	7w12025	MS89017	STDMA	a1164	100	1				OK/DL	↑ F113, RR = 10cc
c4	je4345-3	7w12026	MS89017	STDMA	a1617	50	1		√	√	OK	
c5	je4345-4	7w12027	MS89017	STDMA	a1682	10	1		√	√	OK	
c6	je4345-5	7w12028	MS89017	STDMA	a1656	10	1		√	√	OK	
c7	je4345-6	7w12029	MS89017	STDMA	a1681	25	1		√	√	OK	
a3	je4318-1	7w12030	MS89007	NYSVLL	a2440	100	1		√	√	OK	
a4	je4318-2	7w12031	MS89007	NYSVLL	a2594	100	1		√	√	OK	
a5	je4318-3	7w12032	MS89007	NYSVLL	a2389	100	1		√	√	OK	
a6	je4318-4	7w12033	MS89007	NYSVLL	a2580	100	1		√	√	OK/DL	$MeCl_2$ ↑ RR 50cc
a6	je4318-4dup	7w12034	MS89007	NYSVLL	a2580	100	1		√	√	OK	
2-7	scc,cp12978	7w12035			a1597	400			√	√	RECLEAN	cs2 hits
2-8	scc,cp12978	7w12036			a1726	400					NOT USED	Sequence stopped by analyst. Outside BFB time.
2-12	scc,cp12978	7w12037			a1735	400					NOT USED	Sequence stopped by analyst. Outside BFB time.

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/21/2025	wc	je4288-1	a2011	9.0	1.30	1.55	a2011	1000	20	14.7	2000	100	**155**
1/21/2025	wc	je4288-2	a2050	9.5	1.10	1.58	a1128	1000	20	14.7	2000	100	**158**
1/22/2025	wc	je4001-2	a2347	8.5	1.30	1.52	m441	1000	5	14.7	2000	400	**608**

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MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W428**
Date: **1/22/2025**
Laboratory Analyst: **William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250122.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Kristel Valladolid**
Data Validator(s): **Rosanlie Alfon**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition:	Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF) Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.
Notes:	

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MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO15STD	A1788	AS10572	3/3/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W457
Date: 2/23/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250223.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Claire Basilio
Data Validator(s): Rosanlie Alfon

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D9	bfb	7w12938			OPEN	400					OK	
SS-4	cc405-10	7w12939			A1788	100			√	√	OK	
SS-4	bs	7w12940			A1788	100					OK	
SS-4	bsd	7w12941			A1788	100					OK	
2-1	ib	7w12942			A2036	100					-	
2-1	mb	7w12943			A2036	400		+	√	√	OK	
2-2	scc,cp13011	7w12944			A1329	400			√	√	OK	
2-3	scc,cp13011	7w12945			M408	400			√	√	OK	
2-4	scc,cp13011	7w12946			A1647	400			√	√	OK	
2-5	scc,cp13010	7w12947			A856	400			√	√	OK	
2-6	scc,cp13010	7w12948			A320	400			√	√	OK	
2-7	scc,cp13010	7w12949			A295	400			√	√	OK	
2-8	je5794-8	7w12950	MS89750	SL+	A1857	620	1.55		√	√	OK	
2-8	je5794-8dup	7w12951	MS89750	SL+	A1857	620	1.55		√	√	OK	
2-9	je5794-7	7w12952	MS89750	SL+	A1840	310	1.55		√	√	OK	
2-10	je5794-6	7w12953	MS89750	SL+	A444	25	1.55		√	√	OK	
2-11	je5794-5	7w12954	MS89750	SL+	A1274	20	1.48		√	√	OK/DL	
2-12	je5794-4	7w12955	MS89750	SL+	A2107	10	1.58		√	√	OK/DL	
2-13	je5794-3	7w12956	MS89750	SL+	A643	10	1.60		√	√	OK/DL	
2-14	je5794-2	7w12957	MS89750	SL+	A1813	10	1.55				RR	Instrument: Lost Link Activity
2-14	je5794-2	7w12958	MS89750	SL+	A1813	10	1.55		√	√	OK/DL	
2-15	je5794-1	7w12959	MS89750	SL+	A1259	10	1.55		√	√	OK/DL	
2-16	je5350-1	7w12960	MS89540	STD	A445	400	1		√	√	OK	
C1	je5344-1	7w12961	MS89540	SL	A333	100	1		√	√	OK	DOD-QSM5
C2	je5344-2	7w12962	MS89540	SL	A1631	100	1		√	√	OK	DOD-QSM5
C3	je5344-3	7w12963	MS89540	SL	A247	100	1		√	√	OK	DOD-QSM5
C4	je5344-4	7w12964	MS89540	SL	M002	100	1		√	√	OK	DOD-QSM5
C5	je5344-6	7w12965	MS89540	SL	A1627	100	1		√	√	OK	DOD-QSM5
C6	je5344-7	7w12966	MS89540	SL	M064	100	1		√	√	OK	DOD-QSM5
C7	je5344-8	7w12967	MS89540	SL	A1337	100	1		√	√	OK	DOD-QSM5
C8	je5344-9	7w12968	MS89540	SL	A653	100	1		√	√	OK	DOD-QSM5
C9	je5509-1	7w12969	MS89750	SL	A1755	400	1		√	√	OK	
D1	je5353-1	7w12970	MS89750	STD	A1013	100	1		√	√	OK	
D2	je5343-3	7w12971	MS89750	STD	A1465	100	1		√	√	OK	
SS-4	ecc405-10	7w12972			A1788	100			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at

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MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO15STD	A1788	AS10572	3/3/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W457**
Date: **2/23/2025**
Laboratory Analyst: **Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250223.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Claire Basilio**
Data Validator(s): **Rosanlie Alfon**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
	the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

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Automated Report



Technical Report for

Bhate Environmental Associates, Inc.

BECOS Former Griffiss AFB, Rome, NY

SGS Job Number: JE8598

Sampling Date: 03/28/25

Report to:

Bhate Environmental Associates, Inc.
445 Union Blvd Suite 129
Lakewood, CO 80228
molive@bhate.com

ATTN: Marcia Olive

Total number of pages in report: 912

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

Olga Azarian
Technical Director

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

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SGS North America Inc.

Sample Summary

Bhate Environmental Associates, Inc.

Job No: JE8598

BECOS Former Griffiss AFB, Rome, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JE8598-1	03/28/25	10:30	JP	04/02/25	AIR	Soil Vapor Comp.	785VMP-2-0325
JE8598-2	03/28/25	10:30	JP	04/02/25	AIR	Soil Vapor Comp.	785VMP-2-0325-A
JE8598-3	03/28/25	10:20	JP	04/02/25	AIR	Soil Vapor Comp.	785VMP-4-0327
JE8598-4	03/28/25	11:15	JP	04/02/25	AIR	Soil Vapor Comp.	785VMP-5-0327
JE8598-5	03/28/25	10:25	JP	04/02/25	AIR	Indoor Air Comp.	785-IA-1-0327
JE8598-6	03/28/25	10:35	JP	04/02/25	AIR	Indoor Air Comp.	785-IA-2-0327
JE8598-7	03/28/25	11:35	JP	04/02/25	AIR	Soil Vapor Comp.	786VMP-1-0327
JE8598-8	03/28/25	11:25	JP	04/02/25	AIR	Soil Vapor Comp.	786VMP-2-0327
JE8598-9	03/28/25	11:40	JP	04/02/25	AIR	Soil Vapor Comp.	786VMP-3-0327
JE8598-10	03/28/25	11:30	JP	04/02/25	AIR	Indoor Air Comp.	786-IA-1-0327
JE8598-11	03/28/25	11:20	JP	04/02/25	AIR	Ambient Air Comp.	785-OA-1-0327

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Bhate Environmental Associates, Inc. **Job No:** JE8598

Site: BECOS Former Griffiss AFB, Rome, NY **Report Date** 4/17/2025 2:35:54 PM

On 04/02/2025, 11 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JE8598 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

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

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V7W501

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE8503-1DUP were used as the QC samples indicated.
- JE8598-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE8598-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE8598-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE8598-4 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE8598-7 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE8598-8 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE8598-9 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE8598-11 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V7W501-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.

MS Volatiles By Method TO-15 (BY SIM)

Matrix: AIR **Batch ID:** V6W1468

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE8460-2DUP were used as the QC samples indicated.
- The duplicate RPD(s) for Trichloroethylene are outside control limits.
- V6W1468-BS for Methylene chloride: High percent recovery and no associated positive reported in the QC batch.

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

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

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

Summary of Hits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
JE8598-1	**785VMP-2-0325**					
Acetone (2-Propanone)		3.3	0.20	0.15 [a]	ppbv	TO-15
Benzene		0.52	0.20	0.047 [a]	ppbv	TO-15
Carbon disulfide		0.21	0.20	0.11 [a]	ppbv	TO-15
Chloromethane		0.50	0.20	0.090 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.45	0.20	0.10 [a]	ppbv	TO-15
Ethylbenzene		0.29	0.20	0.061 [a]	ppbv	TO-15
4-Ethyltoluene		0.15 J	0.20	0.095 [a]	ppbv	TO-15
Freon 113		0.29	0.10	0.031 [a]	ppbv	TO-15
Methylene chloride		0.23	0.20	0.13 [a]	ppbv	TO-15
Methyl ethyl ketone		16.7	0.20	0.052 [a]	ppbv	TO-15
Methyl Isobutyl Ketone		0.14 J	0.20	0.073 [a]	ppbv	TO-15
1,2,4-Trimethylbenzene		0.72	0.20	0.087 [a]	ppbv	TO-15
1,3,5-Trimethylbenzene		0.20	0.20	0.080 [a]	ppbv	TO-15
Tetrachloroethylene		0.15	0.040	0.030 [a]	ppbv	TO-15
Toluene		2.5	0.20	0.057 [a]	ppbv	TO-15
Trichloroethylene		1.8	0.040	0.019 [a]	ppbv	TO-15
Trichlorofluoromethane		0.23	0.10	0.057 [a]	ppbv	TO-15
m,p-Xylene		1.0	0.20	0.14 [a]	ppbv	TO-15
o-Xylene		0.38	0.20	0.077 [a]	ppbv	TO-15
Acetone (2-Propanone)		7.8	0.48	0.36 [a]	ug/m3	TO-15
Benzene		1.7	0.64	0.15 [a]	ug/m3	TO-15
Carbon disulfide		0.65	0.62	0.34 [a]	ug/m3	TO-15
Chloromethane		1.0	0.41	0.19 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.2	0.99	0.49 [a]	ug/m3	TO-15
Ethylbenzene		1.3	0.87	0.26 [a]	ug/m3	TO-15
4-Ethyltoluene		0.74 J	0.98	0.47 [a]	ug/m3	TO-15
Freon 113		2.2	0.77	0.24 [a]	ug/m3	TO-15
Methylene chloride		0.80	0.69	0.45 [a]	ug/m3	TO-15
Methyl ethyl ketone		49.3	0.59	0.15 [a]	ug/m3	TO-15
Methyl Isobutyl Ketone		0.57 J	0.82	0.30 [a]	ug/m3	TO-15
1,2,4-Trimethylbenzene		3.5	0.98	0.43 [a]	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.98	0.98	0.39 [a]	ug/m3	TO-15
Tetrachloroethylene		1.0	0.27	0.20 [a]	ug/m3	TO-15
Toluene		9.4	0.75	0.21 [a]	ug/m3	TO-15
Trichloroethylene		9.7	0.21	0.10 [a]	ug/m3	TO-15
Trichlorofluoromethane		1.3	0.56	0.32 [a]	ug/m3	TO-15
m,p-Xylene		4.3	0.87	0.61 [a]	ug/m3	TO-15
o-Xylene		1.7	0.87	0.33 [a]	ug/m3	TO-15
JE8598-2	**785VMP-2-0325-A**					
Acetone (2-Propanone)		3.5	0.20	0.15 [a]	ppbv	TO-15
Benzene		0.64	0.20	0.047 [a]	ppbv	TO-15

Summary of Hits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Carbon disulfide		0.24	0.20	0.11 [a]	ppbv	TO-15
Chloromethane		0.53	0.20	0.090 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.45	0.20	0.10 [a]	ppbv	TO-15
Ethylbenzene		0.28	0.20	0.061 [a]	ppbv	TO-15
4-Ethyltoluene		0.15 J	0.20	0.095 [a]	ppbv	TO-15
Freon 113		0.26	0.10	0.031 [a]	ppbv	TO-15
Methylene chloride		0.91	0.20	0.13 [a]	ppbv	TO-15
Methyl ethyl ketone		17.8	0.20	0.052 [a]	ppbv	TO-15
Methyl Isobutyl Ketone		0.17 J	0.20	0.073 [a]	ppbv	TO-15
1,2,4-Trimethylbenzene		0.62	0.20	0.087 [a]	ppbv	TO-15
1,3,5-Trimethylbenzene		0.15 J	0.20	0.080 [a]	ppbv	TO-15
Tetrachloroethylene		0.17	0.040	0.030 [a]	ppbv	TO-15
Toluene		2.8	0.20	0.057 [a]	ppbv	TO-15
Trichloroethylene		1.6	0.040	0.019 [a]	ppbv	TO-15
Trichlorofluoromethane		0.24	0.10	0.057 [a]	ppbv	TO-15
m,p-Xylene		1.0	0.20	0.14 [a]	ppbv	TO-15
o-Xylene		0.37	0.20	0.077 [a]	ppbv	TO-15
Acetone (2-Propanone)		8.3	0.48	0.36 [a]	ug/m3	TO-15
Benzene		2.0	0.64	0.15 [a]	ug/m3	TO-15
Carbon disulfide		0.75	0.62	0.34 [a]	ug/m3	TO-15
Chloromethane		1.1	0.41	0.19 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.2	0.99	0.49 [a]	ug/m3	TO-15
Ethylbenzene		1.2	0.87	0.26 [a]	ug/m3	TO-15
4-Ethyltoluene		0.74 J	0.98	0.47 [a]	ug/m3	TO-15
Freon 113		2.0	0.77	0.24 [a]	ug/m3	TO-15
Methylene chloride		3.2	0.69	0.45 [a]	ug/m3	TO-15
Methyl ethyl ketone		52.5	0.59	0.15 [a]	ug/m3	TO-15
Methyl Isobutyl Ketone		0.70 J	0.82	0.30 [a]	ug/m3	TO-15
1,2,4-Trimethylbenzene		3.0	0.98	0.43 [a]	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.74 J	0.98	0.39 [a]	ug/m3	TO-15
Tetrachloroethylene		1.2	0.27	0.20 [a]	ug/m3	TO-15
Toluene		11	0.75	0.21 [a]	ug/m3	TO-15
Trichloroethylene		8.6	0.21	0.10 [a]	ug/m3	TO-15
Trichlorofluoromethane		1.3	0.56	0.32 [a]	ug/m3	TO-15
m,p-Xylene		4.3	0.87	0.61 [a]	ug/m3	TO-15
o-Xylene		1.6	0.87	0.33 [a]	ug/m3	TO-15
JE8598-3	**785VMP-4-0327**					
Acetone (2-Propanone)		5.3	0.20	0.15 [a]	ppbv	TO-15
Benzene		0.62	0.20	0.047 [a]	ppbv	TO-15
Chloromethane		0.22	0.20	0.090 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.49	0.20	0.10 [a]	ppbv	TO-15
Ethylbenzene		0.98	0.20	0.061 [a]	ppbv	TO-15
4-Ethyltoluene		1.3	0.20	0.095 [a]	ppbv	TO-15

Summary of Hits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Freon 113		0.20	0.10	0.031 [a]	ppbv	TO-15
Methylene chloride		0.28	0.20	0.13 [a]	ppbv	TO-15
Methyl ethyl ketone		4.6	0.20	0.052 [a]	ppbv	TO-15
1,2,4-Trimethylbenzene		5.9	0.20	0.087 [a]	ppbv	TO-15
1,3,5-Trimethylbenzene		3.0	0.20	0.080 [a]	ppbv	TO-15
Tetrachloroethylene		0.23	0.040	0.030 [a]	ppbv	TO-15
Toluene		2.9	0.20	0.057 [a]	ppbv	TO-15
Trichloroethylene		2.6	0.040	0.019 [a]	ppbv	TO-15
Trichlorofluoromethane		0.24	0.10	0.057 [a]	ppbv	TO-15
Vinyl Acetate		0.49	0.20	0.11 [a]	ppbv	TO-15
m,p-Xylene		1.4	0.20	0.14 [a]	ppbv	TO-15
o-Xylene		1.7	0.20	0.077 [a]	ppbv	TO-15
Acetone (2-Propanone)		13	0.48	0.36 [a]	ug/m3	TO-15
Benzene		2.0	0.64	0.15 [a]	ug/m3	TO-15
Chloromethane		0.45	0.41	0.19 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.4	0.99	0.49 [a]	ug/m3	TO-15
Ethylbenzene		4.3	0.87	0.26 [a]	ug/m3	TO-15
4-Ethyltoluene		6.4	0.98	0.47 [a]	ug/m3	TO-15
Freon 113		1.5	0.77	0.24 [a]	ug/m3	TO-15
Methylene chloride		0.97	0.69	0.45 [a]	ug/m3	TO-15
Methyl ethyl ketone		14	0.59	0.15 [a]	ug/m3	TO-15
1,2,4-Trimethylbenzene		29	0.98	0.43 [a]	ug/m3	TO-15
1,3,5-Trimethylbenzene		15	0.98	0.39 [a]	ug/m3	TO-15
Tetrachloroethylene		1.6	0.27	0.20 [a]	ug/m3	TO-15
Toluene		11	0.75	0.21 [a]	ug/m3	TO-15
Trichloroethylene		14	0.21	0.10 [a]	ug/m3	TO-15
Trichlorofluoromethane		1.3	0.56	0.32 [a]	ug/m3	TO-15
Vinyl Acetate		1.7	0.70	0.39 [a]	ug/m3	TO-15
m,p-Xylene		6.1	0.87	0.61 [a]	ug/m3	TO-15
o-Xylene		7.4	0.87	0.33 [a]	ug/m3	TO-15
JE8598-4	**785VMP-5-0327**					
Acetone (2-Propanone)		3.6	0.20	0.15 [a]	ppbv	TO-15
Benzene		0.31	0.20	0.047 [a]	ppbv	TO-15
Chloromethane		0.23	0.20	0.090 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.44	0.20	0.10 [a]	ppbv	TO-15
trans-1,2-Dichloroethylene		0.17 J	0.20	0.069 [a]	ppbv	TO-15
cis-1,2-Dichloroethylene		0.12	0.040	0.030 [a]	ppbv	TO-15
Ethylbenzene		0.14 J	0.20	0.061 [a]	ppbv	TO-15
Freon 113		0.099 J	0.10	0.031 [a]	ppbv	TO-15
Methylene chloride		0.23	0.20	0.13 [a]	ppbv	TO-15
Methyl ethyl ketone		9.5	0.20	0.052 [a]	ppbv	TO-15
Methyl Isobutyl Ketone		0.10 J	0.20	0.073 [a]	ppbv	TO-15
1,2,4-Trimethylbenzene		0.17 J	0.20	0.087 [a]	ppbv	TO-15

Summary of Hits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Tetrachloroethylene		0.17	0.040	0.030 [a]	ppbv	TO-15
Toluene		1.2	0.20	0.057 [a]	ppbv	TO-15
Trichloroethylene		0.21	0.040	0.019 [a]	ppbv	TO-15
Trichlorofluoromethane		0.25	0.10	0.057 [a]	ppbv	TO-15
m,p-Xylene		0.49	0.20	0.14 [a]	ppbv	TO-15
o-Xylene		0.17 J	0.20	0.077 [a]	ppbv	TO-15
Acetone (2-Propanone)		8.6	0.48	0.36 [a]	ug/m3	TO-15
Benzene		0.99	0.64	0.15 [a]	ug/m3	TO-15
Chloromethane		0.47	0.41	0.19 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.2	0.99	0.49 [a]	ug/m3	TO-15
trans-1,2-Dichloroethylene		0.67 J	0.79	0.27 [a]	ug/m3	TO-15
cis-1,2-Dichloroethylene		0.48	0.16	0.12 [a]	ug/m3	TO-15
Ethylbenzene		0.61 J	0.87	0.26 [a]	ug/m3	TO-15
Freon 113		0.76 J	0.77	0.24 [a]	ug/m3	TO-15
Methylene chloride		0.80	0.69	0.45 [a]	ug/m3	TO-15
Methyl ethyl ketone		28	0.59	0.15 [a]	ug/m3	TO-15
Methyl Isobutyl Ketone		0.41 J	0.82	0.30 [a]	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.84 J	0.98	0.43 [a]	ug/m3	TO-15
Tetrachloroethylene		1.2	0.27	0.20 [a]	ug/m3	TO-15
Toluene		4.5	0.75	0.21 [a]	ug/m3	TO-15
Trichloroethylene		1.1	0.21	0.10 [a]	ug/m3	TO-15
Trichlorofluoromethane		1.4	0.56	0.32 [a]	ug/m3	TO-15
m,p-Xylene		2.1	0.87	0.61 [a]	ug/m3	TO-15
o-Xylene		0.74 J	0.87	0.33 [a]	ug/m3	TO-15
JE8598-5	**785-IA-1-0327**					
Benzene		0.47	0.010	0.0037 [a]	ppbv	TO-15 (BY SIM)
Carbon tetrachloride		0.077	0.0050	0.0016 [a]	ppbv	TO-15 (BY SIM)
Methylene chloride		0.16	0.10	0.014 [a]	ppbv	TO-15 (BY SIM)
Tetrachloroethylene		0.19	0.0050	0.0012 [a]	ppbv	TO-15 (BY SIM)
Trichloroethylene		0.031	0.0050	0.0021 [a]	ppbv	TO-15 (BY SIM)
Benzene		1.5	0.032	0.012 [a]	ug/m3	TO-15 (BY SIM)
Carbon tetrachloride		0.48	0.031	0.010 [a]	ug/m3	TO-15 (BY SIM)
Methylene chloride		0.56	0.35	0.049 [a]	ug/m3	TO-15 (BY SIM)
Tetrachloroethylene		1.3	0.034	0.0081 [a]	ug/m3	TO-15 (BY SIM)
Trichloroethylene		0.17	0.027	0.011 [a]	ug/m3	TO-15 (BY SIM)
JE8598-6	**785-IA-2-0327**					
Benzene		1.8	0.010	0.0037 [a]	ppbv	TO-15 (BY SIM)
Carbon tetrachloride		0.084	0.0050	0.0016 [a]	ppbv	TO-15 (BY SIM)
Methylene chloride		0.21	0.10	0.014 [a]	ppbv	TO-15 (BY SIM)
Tetrachloroethylene		0.63	0.0050	0.0012 [a]	ppbv	TO-15 (BY SIM)
Trichloroethylene		0.033	0.0050	0.0021 [a]	ppbv	TO-15 (BY SIM)

Summary of Hits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Benzene		5.8	0.032	0.012 [a]	ug/m3	TO-15 (BY SIM)
Carbon tetrachloride		0.53	0.031	0.010 [a]	ug/m3	TO-15 (BY SIM)
Methylene chloride		0.73	0.35	0.049 [a]	ug/m3	TO-15 (BY SIM)
Tetrachloroethylene		4.3	0.034	0.0081 [a]	ug/m3	TO-15 (BY SIM)
Trichloroethylene		0.18	0.027	0.011 [a]	ug/m3	TO-15 (BY SIM)
JE8598-7	**786VMP-1-0327**					
Acetone (2-Propanone)		2.8	0.20	0.15 [a]	ppbv	TO-15
Benzene		0.18 J	0.20	0.047 [a]	ppbv	TO-15
Chloromethane		0.45	0.20	0.090 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.43	0.20	0.10 [a]	ppbv	TO-15
cis-1,2-Dichloroethylene		0.19	0.040	0.030 [a]	ppbv	TO-15
4-Ethyltoluene		0.43	0.20	0.095 [a]	ppbv	TO-15
Methylene chloride		0.25	0.20	0.13 [a]	ppbv	TO-15
Methyl ethyl ketone		1.3	0.20	0.052 [a]	ppbv	TO-15
1,2,4-Trimethylbenzene		1.3	0.20	0.087 [a]	ppbv	TO-15
1,3,5-Trimethylbenzene		0.50	0.20	0.080 [a]	ppbv	TO-15
Tetrachloroethylene		0.17	0.040	0.030 [a]	ppbv	TO-15
Toluene		0.30	0.20	0.057 [a]	ppbv	TO-15
Trichloroethylene		0.30	0.040	0.019 [a]	ppbv	TO-15
Trichlorofluoromethane		0.23	0.10	0.057 [a]	ppbv	TO-15
Vinyl Acetate		0.20	0.20	0.11 [a]	ppbv	TO-15
m,p-Xylene		0.20	0.20	0.14 [a]	ppbv	TO-15
o-Xylene		0.17 J	0.20	0.077 [a]	ppbv	TO-15
Acetone (2-Propanone)		6.7	0.48	0.36 [a]	ug/m3	TO-15
Benzene		0.58 J	0.64	0.15 [a]	ug/m3	TO-15
Chloromethane		0.93	0.41	0.19 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.1	0.99	0.49 [a]	ug/m3	TO-15
cis-1,2-Dichloroethylene		0.75	0.16	0.12 [a]	ug/m3	TO-15
4-Ethyltoluene		2.1	0.98	0.47 [a]	ug/m3	TO-15
Methylene chloride		0.87	0.69	0.45 [a]	ug/m3	TO-15
Methyl ethyl ketone		3.8	0.59	0.15 [a]	ug/m3	TO-15
1,2,4-Trimethylbenzene		6.4	0.98	0.43 [a]	ug/m3	TO-15
1,3,5-Trimethylbenzene		2.5	0.98	0.39 [a]	ug/m3	TO-15
Tetrachloroethylene		1.2	0.27	0.20 [a]	ug/m3	TO-15
Toluene		1.1	0.75	0.21 [a]	ug/m3	TO-15
Trichloroethylene		1.6	0.21	0.10 [a]	ug/m3	TO-15
Trichlorofluoromethane		1.3	0.56	0.32 [a]	ug/m3	TO-15
Vinyl Acetate		0.70	0.70	0.39 [a]	ug/m3	TO-15
m,p-Xylene		0.87	0.87	0.61 [a]	ug/m3	TO-15
o-Xylene		0.74 J	0.87	0.33 [a]	ug/m3	TO-15

Summary of Hits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
JE8598-8	**786VMP-2-0327**					
Acetone (2-Propanone)		0.67	0.20	0.15 [a]	ppbv	TO-15
Benzene		0.14 J	0.20	0.047 [a]	ppbv	TO-15
Chloroform		0.12 J	0.20	0.037 [a]	ppbv	TO-15
Chloromethane		0.23	0.20	0.090 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.43	0.20	0.10 [a]	ppbv	TO-15
cis-1,2-Dichloroethylene		0.15	0.040	0.030 [a]	ppbv	TO-15
Freon 113		0.13	0.10	0.031 [a]	ppbv	TO-15
Methyl ethyl ketone		0.33	0.20	0.052 [a]	ppbv	TO-15
Tetrachloroethylene		0.093	0.040	0.030 [a]	ppbv	TO-15
Toluene		0.11 J	0.20	0.057 [a]	ppbv	TO-15
Trichloroethylene		1.7	0.040	0.019 [a]	ppbv	TO-15
Trichlorofluoromethane		0.22	0.10	0.057 [a]	ppbv	TO-15
Vinyl Acetate		0.18 J	0.20	0.11 [a]	ppbv	TO-15
Acetone (2-Propanone)		1.6	0.48	0.36 [a]	ug/m3	TO-15
Benzene		0.45 J	0.64	0.15 [a]	ug/m3	TO-15
Chloroform		0.59 J	0.98	0.18 [a]	ug/m3	TO-15
Chloromethane		0.47	0.41	0.19 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.1	0.99	0.49 [a]	ug/m3	TO-15
cis-1,2-Dichloroethylene		0.59	0.16	0.12 [a]	ug/m3	TO-15
Freon 113		1.0	0.77	0.24 [a]	ug/m3	TO-15
Methyl ethyl ketone		0.97	0.59	0.15 [a]	ug/m3	TO-15
Tetrachloroethylene		0.63	0.27	0.20 [a]	ug/m3	TO-15
Toluene		0.41 J	0.75	0.21 [a]	ug/m3	TO-15
Trichloroethylene		9.1	0.21	0.10 [a]	ug/m3	TO-15
Trichlorofluoromethane		1.2	0.56	0.32 [a]	ug/m3	TO-15
Vinyl Acetate		0.63 J	0.70	0.39 [a]	ug/m3	TO-15
JE8598-9	**786VMP-3-0327**					
Acetone (2-Propanone)		4.9	0.20	0.15 [a]	ppbv	TO-15
Benzene		0.15 J	0.20	0.047 [a]	ppbv	TO-15
Chloromethane		0.22	0.20	0.090 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.43	0.20	0.10 [a]	ppbv	TO-15
Methylene chloride		0.42	0.20	0.13 [a]	ppbv	TO-15
Methyl ethyl ketone		1.4	0.20	0.052 [a]	ppbv	TO-15
Tetrachloroethylene		0.083	0.040	0.030 [a]	ppbv	TO-15
Toluene		0.15 J	0.20	0.057 [a]	ppbv	TO-15
Trichloroethylene		0.72	0.040	0.019 [a]	ppbv	TO-15
Trichlorofluoromethane		0.22	0.10	0.057 [a]	ppbv	TO-15
Vinyl Acetate		0.26	0.20	0.11 [a]	ppbv	TO-15
Acetone (2-Propanone)		12	0.48	0.36 [a]	ug/m3	TO-15
Benzene		0.48 J	0.64	0.15 [a]	ug/m3	TO-15
Chloromethane		0.45	0.41	0.19 [a]	ug/m3	TO-15

Summary of Hits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Dichlorodifluoromethane		2.1	0.99	0.49 [a]	ug/m3	TO-15
Methylene chloride		1.5	0.69	0.45 [a]	ug/m3	TO-15
Methyl ethyl ketone		4.1	0.59	0.15 [a]	ug/m3	TO-15
Tetrachloroethylene		0.56	0.27	0.20 [a]	ug/m3	TO-15
Toluene		0.57 J	0.75	0.21 [a]	ug/m3	TO-15
Trichloroethylene		3.9	0.21	0.10 [a]	ug/m3	TO-15
Trichlorofluoromethane		1.2	0.56	0.32 [a]	ug/m3	TO-15
Vinyl Acetate		0.91	0.70	0.39 [a]	ug/m3	TO-15
JE8598-10	**786-IA-1-0327**					
Benzene		0.15	0.010	0.0037 [a]	ppbv	TO-15 (BY SIM)
Carbon tetrachloride		0.087	0.0050	0.0016 [a]	ppbv	TO-15 (BY SIM)
Methylene chloride		0.19	0.10	0.014 [a]	ppbv	TO-15 (BY SIM)
Tetrachloroethylene		0.0089	0.0050	0.0012 [a]	ppbv	TO-15 (BY SIM)
Trichloroethylene		0.020	0.0050	0.0021 [a]	ppbv	TO-15 (BY SIM)
Benzene		0.48	0.032	0.012 [a]	ug/m3	TO-15 (BY SIM)
Carbon tetrachloride		0.55	0.031	0.010 [a]	ug/m3	TO-15 (BY SIM)
Methylene chloride		0.66	0.35	0.049 [a]	ug/m3	TO-15 (BY SIM)
Tetrachloroethylene		0.060	0.034	0.0081 [a]	ug/m3	TO-15 (BY SIM)
Trichloroethylene		0.11	0.027	0.011 [a]	ug/m3	TO-15 (BY SIM)
JE8598-11	**785-OA-1-0327**					
Acetone (2-Propanone)		1.4	0.20	0.15 [a]	ppbv	TO-15
Benzene		0.20	0.20	0.047 [a]	ppbv	TO-15
Chloromethane		0.45	0.20	0.090 [a]	ppbv	TO-15
Dichlorodifluoromethane		0.43	0.20	0.10 [a]	ppbv	TO-15
Methylene chloride		0.21	0.20	0.13 [a]	ppbv	TO-15
Methyl ethyl ketone		0.64	0.20	0.052 [a]	ppbv	TO-15
Trichlorofluoromethane		0.23	0.10	0.057 [a]	ppbv	TO-15
Acetone (2-Propanone)		3.3	0.48	0.36 [a]	ug/m3	TO-15
Benzene		0.64	0.64	0.15 [a]	ug/m3	TO-15
Chloromethane		0.93	0.41	0.19 [a]	ug/m3	TO-15
Dichlorodifluoromethane		2.1	0.99	0.49 [a]	ug/m3	TO-15
Methylene chloride		0.73	0.69	0.45 [a]	ug/m3	TO-15
Methyl ethyl ketone		1.9	0.59	0.15 [a]	ug/m3	TO-15
Trichlorofluoromethane		1.3	0.56	0.32 [a]	ug/m3	TO-15

(a) Value reported is laboratory DL (MDL).

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	785VMP-2-0325		
Lab Sample ID:	JE8598-1	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: M122	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W14411.D	1	04/14/25 02:45	BK	n/a	n/a	V7W501
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	3.3	0.20	0.15 [a]	0.15	ppbv		7.8	0.48	0.36 [a]	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	0.084 U	0.20	0.084 [a]	0.084	ppbv		0.19 U	0.44	0.19 [a]	0.19	ug/m3
71-43-2	78.11	Benzene	0.52	0.20	0.047 [a]	0.047	ppbv		1.7	0.64	0.15 [a]	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.20 U	0.67	0.20 [a]	0.20	ug/m3
75-25-2	252.8	Bromoform	0.071 U	0.040	0.071 [a]	0.071	ppbv		0.73 U	0.41	0.73 [a]	0.73	ug/m3
74-83-9	94.94	Bromomethane	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.78	0.27 [a]	0.27	ug/m3
100-44-7	126	Benzyl Chloride	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.67 U	1.0	0.67 [a]	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.21	0.20	0.11 [a]	0.11	ppbv		0.65	0.62	0.34 [a]	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	0.074 U	0.20	0.074 [a]	0.074	ppbv		0.34 U	0.92	0.34 [a]	0.34	ug/m3
75-00-3	64.52	Chloroethane	0.068 U	0.20	0.068 [a]	0.068	ppbv		0.18 U	0.53	0.18 [a]	0.18	ug/m3
67-66-3	119.4	Chloroform	0.037 U	0.20	0.037 [a]	0.037	ppbv		0.18 U	0.98	0.18 [a]	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.50	0.20	0.090 [a]	0.090	ppbv		1.0	0.41	0.19 [a]	0.19	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.040 U	0.040	0.040 [a]	0.040	ppbv		0.25 U	0.25	0.25 [a]	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.057 U	0.20	0.057 [a]	0.057	ppbv		0.23 U	0.81	0.23 [a]	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.059 U	0.040	0.059 [a]	0.059	ppbv		0.23 U	0.16	0.23 [a]	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.23 U	0.77	0.23 [a]	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.070 U	0.20	0.070 [a]	0.070	ppbv		0.28 U	0.81	0.28 [a]	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.29 U	0.92	0.29 [a]	0.29	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.45	0.20	0.10 [a]	0.10	ppbv		2.2	0.99	0.49 [a]	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	0.12 U	0.10	0.12 [a]	0.12	ppbv		1.0 U	0.85	1.0 [a]	1.0	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.79	0.27 [a]	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.030 U	0.040	0.030 [a]	0.030	ppbv		0.12 U	0.16	0.12 [a]	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.28 U	0.91	0.28 [a]	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.028 U	0.10	0.028 [a]	0.028	ppbv		0.17 U	0.60	0.17 [a]	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.41 U	0.24	0.41 [a]	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	0.079 U	0.10	0.079 [a]	0.079	ppbv		0.47 U	0.60	0.47 [a]	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.10 U	0.20	0.10 [a]	0.10	ppbv		0.45 U	0.91	0.45 [a]	0.45	ug/m3
100-41-4	106.2	Ethylbenzene	0.29	0.20	0.061 [a]	0.061	ppbv		1.3	0.87	0.26 [a]	0.26	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.15	0.20	0.095 [a]	0.095	ppbv	J	0.74	0.98	0.47 [a]	0.47	ug/m3
76-13-1	187.4	Freon 113	0.29	0.10	0.031 [a]	0.031	ppbv		2.2	0.77	0.24 [a]	0.24	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	0.062 U	0.090	0.062 [a]	0.062	ppbv		0.66 U	0.96	0.66 [a]	0.66	ug/m3
591-78-6	100	2-Hexanone	0.15 U	0.20	0.15 [a]	0.15	ppbv		0.61 U	0.82	0.61 [a]	0.61	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	785VMP-2-0325		
Lab Sample ID:	JE8598-1	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: M122	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.23	0.20	0.13 [a]	0.13	ppbv		0.80	0.69	0.45 [a]	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	16.7	0.20	0.052 [a]	0.052	ppbv		49.3	0.59	0.15 [a]	0.15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.14	0.20	0.073 [a]	0.073	ppbv	J	0.57	0.82	0.30 [a]	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.29 U	0.72	0.29 [a]	0.29	ug/m3
91-20-3	128.17	Naphthalene	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.68 U	1.0	0.68 [a]	0.68	ug/m3
100-42-5	104.1	Styrene	0.053 U	0.20	0.053 [a]	0.053	ppbv		0.23 U	0.85	0.23 [a]	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.078 U	0.10	0.078 [a]	0.078	ppbv		0.43 U	0.55	0.43 [a]	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.048 U	0.10	0.048 [a]	0.048	ppbv		0.33 U	0.69	0.33 [a]	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.038 U	0.10	0.038 [a]	0.038	ppbv		0.21 U	0.55	0.21 [a]	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.12 U	0.10	0.12 [a]	0.12	ppbv		0.89 U	0.74	0.89 [a]	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.72	0.20	0.087 [a]	0.087	ppbv		3.5	0.98	0.43 [a]	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.20	0.20	0.080 [a]	0.080	ppbv		0.98	0.98	0.39 [a]	0.39	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.15	0.040	0.030 [a]	0.030	ppbv		1.0	0.27	0.20 [a]	0.20	ug/m3
108-88-3	92.14	Toluene	2.5	0.20	0.057 [a]	0.057	ppbv		9.4	0.75	0.21 [a]	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	1.8	0.040	0.019 [a]	0.019	ppbv		9.7	0.21	0.10 [a]	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.10	0.057 [a]	0.057	ppbv		1.3	0.56	0.32 [a]	0.32	ug/m3
75-01-4	62.5	Vinyl chloride	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.18 U	0.10	0.18 [a]	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.39 U	0.70	0.39 [a]	0.39	ug/m3
	106.2	m,p-Xylene	1.0	0.20	0.14 [a]	0.14	ppbv		4.3	0.87	0.61 [a]	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.38	0.20	0.077 [a]	0.077	ppbv		1.7	0.87	0.33 [a]	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%		65-128%

(a) Value reported is laboratory DL (MDL).

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

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	785VMP-2-0325-A		
Lab Sample ID:	JE8598-2	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1577	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W14412.D	1	04/14/25 03:29	BK	n/a	n/a	V7W501
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	3.5	0.20	0.15 [a]	0.15	ppbv		8.3	0.48	0.36 [a]	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	0.084 U	0.20	0.084 [a]	0.084	ppbv		0.19 U	0.44	0.19 [a]	0.19	ug/m3
71-43-2	78.11	Benzene	0.64	0.20	0.047 [a]	0.047	ppbv		2.0	0.64	0.15 [a]	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.20 U	0.67	0.20 [a]	0.20	ug/m3
75-25-2	252.8	Bromoform	0.071 U	0.040	0.071 [a]	0.071	ppbv		0.73 U	0.41	0.73 [a]	0.73	ug/m3
74-83-9	94.94	Bromomethane	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.78	0.27 [a]	0.27	ug/m3
100-44-7	126	Benzyl Chloride	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.67 U	1.0	0.67 [a]	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.24	0.20	0.11 [a]	0.11	ppbv		0.75	0.62	0.34 [a]	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	0.074 U	0.20	0.074 [a]	0.074	ppbv		0.34 U	0.92	0.34 [a]	0.34	ug/m3
75-00-3	64.52	Chloroethane	0.068 U	0.20	0.068 [a]	0.068	ppbv		0.18 U	0.53	0.18 [a]	0.18	ug/m3
67-66-3	119.4	Chloroform	0.037 U	0.20	0.037 [a]	0.037	ppbv		0.18 U	0.98	0.18 [a]	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.53	0.20	0.090 [a]	0.090	ppbv		1.1	0.41	0.19 [a]	0.19	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.040 U	0.040	0.040 [a]	0.040	ppbv		0.25 U	0.25	0.25 [a]	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.057 U	0.20	0.057 [a]	0.057	ppbv		0.23 U	0.81	0.23 [a]	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.059 U	0.040	0.059 [a]	0.059	ppbv		0.23 U	0.16	0.23 [a]	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.23 U	0.77	0.23 [a]	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.070 U	0.20	0.070 [a]	0.070	ppbv		0.28 U	0.81	0.28 [a]	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.29 U	0.92	0.29 [a]	0.29	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.45	0.20	0.10 [a]	0.10	ppbv		2.2	0.99	0.49 [a]	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	0.12 U	0.10	0.12 [a]	0.12	ppbv		1.0 U	0.85	1.0 [a]	1.0	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.79	0.27 [a]	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.030 U	0.040	0.030 [a]	0.030	ppbv		0.12 U	0.16	0.12 [a]	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.28 U	0.91	0.28 [a]	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.028 U	0.10	0.028 [a]	0.028	ppbv		0.17 U	0.60	0.17 [a]	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.41 U	0.24	0.41 [a]	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	0.079 U	0.10	0.079 [a]	0.079	ppbv		0.47 U	0.60	0.47 [a]	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.10 U	0.20	0.10 [a]	0.10	ppbv		0.45 U	0.91	0.45 [a]	0.45	ug/m3
100-41-4	106.2	Ethylbenzene	0.28	0.20	0.061 [a]	0.061	ppbv		1.2	0.87	0.26 [a]	0.26	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.15	0.20	0.095 [a]	0.095	ppbv	J	0.74	0.98	0.47 [a]	0.47	ug/m3
76-13-1	187.4	Freon 113	0.26	0.10	0.031 [a]	0.031	ppbv		2.0	0.77	0.24 [a]	0.24	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	0.062 U	0.090	0.062 [a]	0.062	ppbv		0.66 U	0.96	0.66 [a]	0.66	ug/m3
591-78-6	100	2-Hexanone	0.15 U	0.20	0.15 [a]	0.15	ppbv		0.61 U	0.82	0.61 [a]	0.61	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	785VMP-2-0325-A		
Lab Sample ID:	JE8598-2	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1577	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.91	0.20	0.13 [a]	0.13	ppbv		3.2	0.69	0.45 [a]	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	17.8	0.20	0.052 [a]	0.052	ppbv		52.5	0.59	0.15 [a]	0.15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.17	0.20	0.073 [a]	0.073	ppbv	J	0.70	0.82	0.30 [a]	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.29 U	0.72	0.29 [a]	0.29	ug/m3
91-20-3	128.17	Naphthalene	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.68 U	1.0	0.68 [a]	0.68	ug/m3
100-42-5	104.1	Styrene	0.053 U	0.20	0.053 [a]	0.053	ppbv		0.23 U	0.85	0.23 [a]	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.078 U	0.10	0.078 [a]	0.078	ppbv		0.43 U	0.55	0.43 [a]	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.048 U	0.10	0.048 [a]	0.048	ppbv		0.33 U	0.69	0.33 [a]	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.038 U	0.10	0.038 [a]	0.038	ppbv		0.21 U	0.55	0.21 [a]	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.12 U	0.10	0.12 [a]	0.12	ppbv		0.89 U	0.74	0.89 [a]	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.62	0.20	0.087 [a]	0.087	ppbv		3.0	0.98	0.43 [a]	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.15	0.20	0.080 [a]	0.080	ppbv	J	0.74	0.98	0.39 [a]	0.39	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.17	0.040	0.030 [a]	0.030	ppbv		1.2	0.27	0.20 [a]	0.20	ug/m3
108-88-3	92.14	Toluene	2.8	0.20	0.057 [a]	0.057	ppbv		11	0.75	0.21 [a]	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	1.6	0.040	0.019 [a]	0.019	ppbv		8.6	0.21	0.10 [a]	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.10	0.057 [a]	0.057	ppbv		1.3	0.56	0.32 [a]	0.32	ug/m3
75-01-4	62.5	Vinyl chloride	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.18 U	0.10	0.18 [a]	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.39 U	0.70	0.39 [a]	0.39	ug/m3
	106.2	m,p-Xylene	1.0	0.20	0.14 [a]	0.14	ppbv		4.3	0.87	0.61 [a]	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.37	0.20	0.077 [a]	0.077	ppbv		1.6	0.87	0.33 [a]	0.33	ug/m3

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

(a) Value reported is laboratory DL (MDL).

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

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 785VMP-4-0327
Lab Sample ID: JE8598-3 **Date Sampled:** 03/28/25
Matrix: AIR - Soil Vapor Comp. Summa ID: A1467 **Date Received:** 04/02/25
Method: TO-15 **Percent Solids:** n/a
Project: BECOS Former Griffiss AFB, Rome, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W14410.D	1	04/14/25 02:00	BK	n/a	n/a	V7W501
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	5.3	0.20	0.15 [a]	0.15	ppbv		13	0.48	0.36 [a]	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	0.084 U	0.20	0.084 [a]	0.084	ppbv		0.19 U	0.44	0.19 [a]	0.19	ug/m3
71-43-2	78.11	Benzene	0.62	0.20	0.047 [a]	0.047	ppbv		2.0	0.64	0.15 [a]	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.20 U	0.67	0.20 [a]	0.20	ug/m3
75-25-2	252.8	Bromoform	0.071 U	0.040	0.071 [a]	0.071	ppbv		0.73 U	0.41	0.73 [a]	0.73	ug/m3
74-83-9	94.94	Bromomethane	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.78	0.27 [a]	0.27	ug/m3
100-44-7	126	Benzyl Chloride	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.67 U	1.0	0.67 [a]	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.34 U	0.62	0.34 [a]	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	0.074 U	0.20	0.074 [a]	0.074	ppbv		0.34 U	0.92	0.34 [a]	0.34	ug/m3
75-00-3	64.52	Chloroethane	0.068 U	0.20	0.068 [a]	0.068	ppbv		0.18 U	0.53	0.18 [a]	0.18	ug/m3
67-66-3	119.4	Chloroform	0.037 U	0.20	0.037 [a]	0.037	ppbv		0.18 U	0.98	0.18 [a]	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.22	0.20	0.090 [a]	0.090	ppbv		0.45	0.41	0.19 [a]	0.19	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.040 U	0.040	0.040 [a]	0.040	ppbv		0.25 U	0.25	0.25 [a]	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.057 U	0.20	0.057 [a]	0.057	ppbv		0.23 U	0.81	0.23 [a]	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.059 U	0.040	0.059 [a]	0.059	ppbv		0.23 U	0.16	0.23 [a]	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.23 U	0.77	0.23 [a]	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.070 U	0.20	0.070 [a]	0.070	ppbv		0.28 U	0.81	0.28 [a]	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.29 U	0.92	0.29 [a]	0.29	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.49	0.20	0.10 [a]	0.10	ppbv		2.4	0.99	0.49 [a]	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	0.12 U	0.10	0.12 [a]	0.12	ppbv		1.0 U	0.85	1.0 [a]	1.0	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.79	0.27 [a]	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.030 U	0.040	0.030 [a]	0.030	ppbv		0.12 U	0.16	0.12 [a]	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.28 U	0.91	0.28 [a]	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.028 U	0.10	0.028 [a]	0.028	ppbv		0.17 U	0.60	0.17 [a]	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.41 U	0.24	0.41 [a]	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	0.079 U	0.10	0.079 [a]	0.079	ppbv		0.47 U	0.60	0.47 [a]	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.10 U	0.20	0.10 [a]	0.10	ppbv		0.45 U	0.91	0.45 [a]	0.45	ug/m3
100-41-4	106.2	Ethylbenzene	0.98	0.20	0.061 [a]	0.061	ppbv		4.3	0.87	0.26 [a]	0.26	ug/m3
622-96-8	120.19	4-Ethyltoluene	1.3	0.20	0.095 [a]	0.095	ppbv		6.4	0.98	0.47 [a]	0.47	ug/m3
76-13-1	187.4	Freon 113	0.20	0.10	0.031 [a]	0.031	ppbv		1.5	0.77	0.24 [a]	0.24	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	0.062 U	0.090	0.062 [a]	0.062	ppbv		0.66 U	0.96	0.66 [a]	0.66	ug/m3
591-78-6	100	2-Hexanone	0.15 U	0.20	0.15 [a]	0.15	ppbv		0.61 U	0.82	0.61 [a]	0.61	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	785VMP-4-0327		
Lab Sample ID:	JE8598-3	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1467	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.28	0.20	0.13 [a]	0.13	ppbv		0.97	0.69	0.45 [a]	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	4.6	0.20	0.052 [a]	0.052	ppbv		14	0.59	0.15 [a]	0.15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.073 U	0.20	0.073 [a]	0.073	ppbv		0.30 U	0.82	0.30 [a]	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.29 U	0.72	0.29 [a]	0.29	ug/m3
91-20-3	128.17	Naphthalene	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.68 U	1.0	0.68 [a]	0.68	ug/m3
100-42-5	104.1	Styrene	0.053 U	0.20	0.053 [a]	0.053	ppbv		0.23 U	0.85	0.23 [a]	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.078 U	0.10	0.078 [a]	0.078	ppbv		0.43 U	0.55	0.43 [a]	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.048 U	0.10	0.048 [a]	0.048	ppbv		0.33 U	0.69	0.33 [a]	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.038 U	0.10	0.038 [a]	0.038	ppbv		0.21 U	0.55	0.21 [a]	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12 [a]	0.12	ppbv		ND	0.74	0.89 [a]	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	5.9	0.20	0.087 [a]	0.087	ppbv		29	0.98	0.43 [a]	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	3.0	0.20	0.080 [a]	0.080	ppbv		15	0.98	0.39 [a]	0.39	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.23	0.040	0.030 [a]	0.030	ppbv		1.6	0.27	0.20 [a]	0.20	ug/m3
108-88-3	92.14	Toluene	2.9	0.20	0.057 [a]	0.057	ppbv		11	0.75	0.21 [a]	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	2.6	0.040	0.019 [a]	0.019	ppbv		14	0.21	0.10 [a]	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.10	0.057 [a]	0.057	ppbv		1.3	0.56	0.32 [a]	0.32	ug/m3
75-01-4	62.5	Vinyl chloride	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.18 U	0.10	0.18 [a]	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.49	0.20	0.11 [a]	0.11	ppbv		1.7	0.70	0.39 [a]	0.39	ug/m3
	106.2	m,p-Xylene	1.4	0.20	0.14 [a]	0.14	ppbv		6.1	0.87	0.61 [a]	0.61	ug/m3
95-47-6	106.2	o-Xylene	1.7	0.20	0.077 [a]	0.077	ppbv		7.4	0.87	0.33 [a]	0.33	ug/m3

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

(a) Value reported is laboratory DL (MDL).

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

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	785VMP-5-0327		
Lab Sample ID:	JE8598-4	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: M400	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W14414.D	1	04/14/25 04:58	BK	n/a	n/a	V7W501
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	3.6	0.20	0.15 [a]	0.15	ppbv		8.6	0.48	0.36 [a]	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	0.084 U	0.20	0.084 [a]	0.084	ppbv		0.19 U	0.44	0.19 [a]	0.19	ug/m3
71-43-2	78.11	Benzene	0.31	0.20	0.047 [a]	0.047	ppbv		0.99	0.64	0.15 [a]	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.20 U	0.67	0.20 [a]	0.20	ug/m3
75-25-2	252.8	Bromoform	0.071 U	0.040	0.071 [a]	0.071	ppbv		0.73 U	0.41	0.73 [a]	0.73	ug/m3
74-83-9	94.94	Bromomethane	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.78	0.27 [a]	0.27	ug/m3
100-44-7	126	Benzyl Chloride	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.67 U	1.0	0.67 [a]	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.34 U	0.62	0.34 [a]	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	0.074 U	0.20	0.074 [a]	0.074	ppbv		0.34 U	0.92	0.34 [a]	0.34	ug/m3
75-00-3	64.52	Chloroethane	0.068 U	0.20	0.068 [a]	0.068	ppbv		0.18 U	0.53	0.18 [a]	0.18	ug/m3
67-66-3	119.4	Chloroform	0.037 U	0.20	0.037 [a]	0.037	ppbv		0.18 U	0.98	0.18 [a]	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.23	0.20	0.090 [a]	0.090	ppbv		0.47	0.41	0.19 [a]	0.19	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.040 U	0.040	0.040 [a]	0.040	ppbv		0.25 U	0.25	0.25 [a]	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.057 U	0.20	0.057 [a]	0.057	ppbv		0.23 U	0.81	0.23 [a]	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.059 U	0.040	0.059 [a]	0.059	ppbv		0.23 U	0.16	0.23 [a]	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.23 U	0.77	0.23 [a]	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.070 U	0.20	0.070 [a]	0.070	ppbv		0.28 U	0.81	0.28 [a]	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.29 U	0.92	0.29 [a]	0.29	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.10 [a]	0.10	ppbv		2.2	0.99	0.49 [a]	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	0.12 U	0.10	0.12 [a]	0.12	ppbv		1.0 U	0.85	1.0 [a]	1.0	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.17	0.20	0.069 [a]	0.069	ppbv	J	0.67	0.79	0.27 [a]	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.12	0.040	0.030 [a]	0.030	ppbv		0.48	0.16	0.12 [a]	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.28 U	0.91	0.28 [a]	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.028 U	0.10	0.028 [a]	0.028	ppbv		0.17 U	0.60	0.17 [a]	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.41 U	0.24	0.41 [a]	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	0.079 U	0.10	0.079 [a]	0.079	ppbv		0.47 U	0.60	0.47 [a]	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.10 U	0.20	0.10 [a]	0.10	ppbv		0.45 U	0.91	0.45 [a]	0.45	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.061 [a]	0.061	ppbv	J	0.61	0.87	0.26 [a]	0.26	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.095 U	0.20	0.095 [a]	0.095	ppbv		0.47 U	0.98	0.47 [a]	0.47	ug/m3
76-13-1	187.4	Freon 113	0.099	0.10	0.031 [a]	0.031	ppbv	J	0.76	0.77	0.24 [a]	0.24	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	0.062 U	0.090	0.062 [a]	0.062	ppbv		0.66 U	0.96	0.66 [a]	0.66	ug/m3
591-78-6	100	2-Hexanone	0.15 U	0.20	0.15 [a]	0.15	ppbv		0.61 U	0.82	0.61 [a]	0.61	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	785VMP-5-0327		
Lab Sample ID:	JE8598-4	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: M400	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.23	0.20	0.13 [a]	0.13	ppbv		0.80	0.69	0.45 [a]	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	9.5	0.20	0.052 [a]	0.052	ppbv		28	0.59	0.15 [a]	0.15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.10	0.20	0.073 [a]	0.073	ppbv	J	0.41	0.82	0.30 [a]	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.29 U	0.72	0.29 [a]	0.29	ug/m3
91-20-3	128.17	Naphthalene	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.68 U	1.0	0.68 [a]	0.68	ug/m3
100-42-5	104.1	Styrene	0.053 U	0.20	0.053 [a]	0.053	ppbv		0.23 U	0.85	0.23 [a]	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.078 U	0.10	0.078 [a]	0.078	ppbv		0.43 U	0.55	0.43 [a]	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.048 U	0.10	0.048 [a]	0.048	ppbv		0.33 U	0.69	0.33 [a]	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.038 U	0.10	0.038 [a]	0.038	ppbv		0.21 U	0.55	0.21 [a]	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.12 U	0.10	0.12 [a]	0.12	ppbv		0.89 U	0.74	0.89 [a]	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.17	0.20	0.087 [a]	0.087	ppbv	J	0.84	0.98	0.43 [a]	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.39 U	0.98	0.39 [a]	0.39	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.17	0.040	0.030 [a]	0.030	ppbv		1.2	0.27	0.20 [a]	0.20	ug/m3
108-88-3	92.14	Toluene	1.2	0.20	0.057 [a]	0.057	ppbv		4.5	0.75	0.21 [a]	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.21	0.040	0.019 [a]	0.019	ppbv		1.1	0.21	0.10 [a]	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.10	0.057 [a]	0.057	ppbv		1.4	0.56	0.32 [a]	0.32	ug/m3
75-01-4	62.5	Vinyl chloride	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.18 U	0.10	0.18 [a]	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.39 U	0.70	0.39 [a]	0.39	ug/m3
	106.2	m,p-Xylene	0.49	0.20	0.14 [a]	0.14	ppbv		2.1	0.87	0.61 [a]	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.17	0.20	0.077 [a]	0.077	ppbv	J	0.74	0.87	0.33 [a]	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		65-128%

(a) Value reported is laboratory DL (MDL).

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

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	785-IA-1-0327		
Lab Sample ID:	JE8598-5	**Date Sampled:**	03/28/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1711	**Date Received:**	04/02/25
Method:	TO-15 (BY SIM)	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6W35385.D	1	04/05/25 08:22	BK	n/a	n/a	V6W1468
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
71-43-2	78.11	Benzene	0.47	0.010	0.0037 [a]	0.0037	ppbv		1.5	0.032	0.012 [a]	0.012	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.077	0.0050	0.0016 [a]	0.0016	ppbv		0.48	0.031	0.010 [a]	0.010	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.0010 U	0.0020	0.0010 [a]	0.0010	ppbv		0.0040 U	0.0079	0.0040 [a]	0.0040	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.0023 U	0.020	0.0023 [a]	0.0023	ppbv		0.0091 U	0.079	0.0091 [a]	0.0091	ug/m3
75-09-2	84.94	Methylene chloride	0.16	0.10	0.014 [a]	0.014	ppbv		0.56	0.35	0.049 [a]	0.049	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.0021 U	0.0050	0.0021 [a]	0.0021	ppbv		0.011 U	0.027	0.011 [a]	0.011	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.19	0.0050	0.0012 [a]	0.0012	ppbv		1.3	0.034	0.0081 [a]	0.0081	ug/m3
79-01-6	131.4	Trichloroethylene	0.031	0.0050	0.0021 [a]	0.0021	ppbv		0.17	0.027	0.011 [a]	0.011	ug/m3
75-01-4	62.5	Vinyl chloride	0.00056 U	0.0020	0.00056 [a]	0.00056	ppbv		0.0014 U	0.0051	0.0014 [a]	0.0014	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	785-IA-2-0327		
Lab Sample ID:	JE8598-6	**Date Sampled:**	03/28/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1579	**Date Received:**	04/02/25
Method:	TO-15 (BY SIM)	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6W35386.D	1	04/05/25 09:05	BK	n/a	n/a	V6W1468
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
71-43-2	78.11	Benzene	1.8	0.010	0.0037 [a]	0.0037	ppbv		5.8	0.032	0.012 [a]	0.012	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.084	0.0050	0.0016 [a]	0.0016	ppbv		0.53	0.031	0.010 [a]	0.010	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.0010 U	0.0020	0.0010 [a]	0.0010	ppbv		0.0040 U	0.0079	0.0040 [a]	0.0040	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.0023 U	0.020	0.0023 [a]	0.0023	ppbv		0.0091 U	0.079	0.0091 [a]	0.0091	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.10	0.014 [a]	0.014	ppbv		0.73	0.35	0.049 [a]	0.049	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.0021 U	0.0050	0.0021 [a]	0.0021	ppbv		0.011 U	0.027	0.011 [a]	0.011	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.63	0.0050	0.0012 [a]	0.0012	ppbv		4.3	0.034	0.0081 [a]	0.0081	ug/m3
79-01-6	131.4	Trichloroethylene	0.033	0.0050	0.0021 [a]	0.0021	ppbv		0.18	0.027	0.011 [a]	0.011	ug/m3
75-01-4	62.5	Vinyl chloride	0.00056 U	0.0020	0.00056 [a]	0.00056	ppbv		0.0014 U	0.0051	0.0014 [a]	0.0014	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 786VMP-1-0327
Lab Sample ID: JE8598-7 **Date Sampled:** 03/28/25
Matrix: AIR - Soil Vapor Comp. Summa ID: A1591 **Date Received:** 04/02/25
Method: TO-15 **Percent Solids:** n/a
Project: BECOS Former Griffiss AFB, Rome, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W14415.D	1	04/14/25 05:43	BK	n/a	n/a	V7W501
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	2.8	0.20	0.15 [a]	0.15	ppbv		6.7	0.48	0.36 [a]	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	0.084 U	0.20	0.084 [a]	0.084	ppbv		0.19 U	0.44	0.19 [a]	0.19	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.047 [a]	0.047	ppbv	J	0.58	0.64	0.15 [a]	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.20 U	0.67	0.20 [a]	0.20	ug/m3
75-25-2	252.8	Bromoform	0.071 U	0.040	0.071 [a]	0.071	ppbv		0.73 U	0.41	0.73 [a]	0.73	ug/m3
74-83-9	94.94	Bromomethane	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.78	0.27 [a]	0.27	ug/m3
100-44-7	126	Benzyl Chloride	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.67 U	1.0	0.67 [a]	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.34 U	0.62	0.34 [a]	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	0.074 U	0.20	0.074 [a]	0.074	ppbv		0.34 U	0.92	0.34 [a]	0.34	ug/m3
75-00-3	64.52	Chloroethane	0.068 U	0.20	0.068 [a]	0.068	ppbv		0.18 U	0.53	0.18 [a]	0.18	ug/m3
67-66-3	119.4	Chloroform	0.037 U	0.20	0.037 [a]	0.037	ppbv		0.18 U	0.98	0.18 [a]	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.45	0.20	0.090 [a]	0.090	ppbv		0.93	0.41	0.19 [a]	0.19	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.040 U	0.040	0.040 [a]	0.040	ppbv		0.25 U	0.25	0.25 [a]	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.057 U	0.20	0.057 [a]	0.057	ppbv		0.23 U	0.81	0.23 [a]	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.059 U	0.040	0.059 [a]	0.059	ppbv		0.23 U	0.16	0.23 [a]	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.23 U	0.77	0.23 [a]	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.070 U	0.20	0.070 [a]	0.070	ppbv		0.28 U	0.81	0.28 [a]	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.29 U	0.92	0.29 [a]	0.29	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.10 [a]	0.10	ppbv		2.1	0.99	0.49 [a]	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	0.12 U	0.10	0.12 [a]	0.12	ppbv		1.0 U	0.85	1.0 [a]	1.0	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.79	0.27 [a]	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.19	0.040	0.030 [a]	0.030	ppbv		0.75	0.16	0.12 [a]	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.28 U	0.91	0.28 [a]	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.028 U	0.10	0.028 [a]	0.028	ppbv		0.17 U	0.60	0.17 [a]	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.41 U	0.24	0.41 [a]	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	0.079 U	0.10	0.079 [a]	0.079	ppbv		0.47 U	0.60	0.47 [a]	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.10 U	0.20	0.10 [a]	0.10	ppbv		0.45 U	0.91	0.45 [a]	0.45	ug/m3
100-41-4	106.2	Ethylbenzene	0.061 U	0.20	0.061 [a]	0.061	ppbv		0.26 U	0.87	0.26 [a]	0.26	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.43	0.20	0.095 [a]	0.095	ppbv		2.1	0.98	0.47 [a]	0.47	ug/m3
76-13-1	187.4	Freon 113	0.031 U	0.10	0.031 [a]	0.031	ppbv		0.24 U	0.77	0.24 [a]	0.24	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	0.062 U	0.090	0.062 [a]	0.062	ppbv		0.66 U	0.96	0.66 [a]	0.66	ug/m3
591-78-6	100	2-Hexanone	0.15 U	0.20	0.15 [a]	0.15	ppbv		0.61 U	0.82	0.61 [a]	0.61	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	786VMP-1-0327		
Lab Sample ID:	JE8598-7	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1591	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.25	0.20	0.13 [a]	0.13	ppbv		0.87	0.69	0.45 [a]	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.3	0.20	0.052 [a]	0.052	ppbv		3.8	0.59	0.15 [a]	0.15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.073 U	0.20	0.073 [a]	0.073	ppbv		0.30 U	0.82	0.30 [a]	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.29 U	0.72	0.29 [a]	0.29	ug/m3
91-20-3	128.17	Naphthalene	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.68 U	1.0	0.68 [a]	0.68	ug/m3
100-42-5	104.1	Styrene	0.053 U	0.20	0.053 [a]	0.053	ppbv		0.23 U	0.85	0.23 [a]	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.078 U	0.10	0.078 [a]	0.078	ppbv		0.43 U	0.55	0.43 [a]	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.048 U	0.10	0.048 [a]	0.048	ppbv		0.33 U	0.69	0.33 [a]	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.038 U	0.10	0.038 [a]	0.038	ppbv		0.21 U	0.55	0.21 [a]	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.12 U	0.10	0.12 [a]	0.12	ppbv		0.89 U	0.74	0.89 [a]	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	1.3	0.20	0.087 [a]	0.087	ppbv		6.4	0.98	0.43 [a]	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.50	0.20	0.080 [a]	0.080	ppbv		2.5	0.98	0.39 [a]	0.39	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.17	0.040	0.030 [a]	0.030	ppbv		1.2	0.27	0.20 [a]	0.20	ug/m3
108-88-3	92.14	Toluene	0.30	0.20	0.057 [a]	0.057	ppbv		1.1	0.75	0.21 [a]	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.30	0.040	0.019 [a]	0.019	ppbv		1.6	0.21	0.10 [a]	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.10	0.057 [a]	0.057	ppbv		1.3	0.56	0.32 [a]	0.32	ug/m3
75-01-4	62.5	Vinyl chloride	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.18 U	0.10	0.18 [a]	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.20	0.20	0.11 [a]	0.11	ppbv		0.70	0.70	0.39 [a]	0.39	ug/m3
	106.2	m,p-Xylene	0.20	0.20	0.14 [a]	0.14	ppbv		0.87	0.87	0.61 [a]	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.17	0.20	0.077 [a]	0.077	ppbv	J	0.74	0.87	0.33 [a]	0.33	ug/m3

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

(a) Value reported is laboratory DL (MDL).

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

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 786VMP-2-0327
Lab Sample ID: JE8598-8 **Date Sampled:** 03/28/25
Matrix: AIR - Soil Vapor Comp. Summa ID: A1597 **Date Received:** 04/02/25
Method: TO-15 **Percent Solids:** n/a
Project: BECOS Former Griffiss AFB, Rome, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W14416.D	1	04/14/25 06:28	BK	n/a	n/a	V7W501
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	0.67	0.20	0.15 [a]	0.15	ppbv		1.6	0.48	0.36 [a]	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	0.084 U	0.20	0.084 [a]	0.084	ppbv		0.19 U	0.44	0.19 [a]	0.19	ug/m3
71-43-2	78.11	Benzene	0.14	0.20	0.047 [a]	0.047	ppbv	J	0.45	0.64	0.15 [a]	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.20 U	0.67	0.20 [a]	0.20	ug/m3
75-25-2	252.8	Bromoform	0.071 U	0.040	0.071 [a]	0.071	ppbv		0.73 U	0.41	0.73 [a]	0.73	ug/m3
74-83-9	94.94	Bromomethane	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.78	0.27 [a]	0.27	ug/m3
100-44-7	126	Benzyl Chloride	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.67 U	1.0	0.67 [a]	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.34 U	0.62	0.34 [a]	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	0.074 U	0.20	0.074 [a]	0.074	ppbv		0.34 U	0.92	0.34 [a]	0.34	ug/m3
75-00-3	64.52	Chloroethane	0.068 U	0.20	0.068 [a]	0.068	ppbv		0.18 U	0.53	0.18 [a]	0.18	ug/m3
67-66-3	119.4	Chloroform	0.12	0.20	0.037 [a]	0.037	ppbv	J	0.59	0.98	0.18 [a]	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.23	0.20	0.090 [a]	0.090	ppbv		0.47	0.41	0.19 [a]	0.19	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.040 U	0.040	0.040 [a]	0.040	ppbv		0.25 U	0.25	0.25 [a]	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.057 U	0.20	0.057 [a]	0.057	ppbv		0.23 U	0.81	0.23 [a]	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.059 U	0.040	0.059 [a]	0.059	ppbv		0.23 U	0.16	0.23 [a]	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.23 U	0.77	0.23 [a]	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.070 U	0.20	0.070 [a]	0.070	ppbv		0.28 U	0.81	0.28 [a]	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.29 U	0.92	0.29 [a]	0.29	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.10 [a]	0.10	ppbv		2.1	0.99	0.49 [a]	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	0.12 U	0.10	0.12 [a]	0.12	ppbv		1.0 U	0.85	1.0 [a]	1.0	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.79	0.27 [a]	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.15	0.040	0.030 [a]	0.030	ppbv		0.59	0.16	0.12 [a]	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.28 U	0.91	0.28 [a]	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.028 U	0.10	0.028 [a]	0.028	ppbv		0.17 U	0.60	0.17 [a]	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.41 U	0.24	0.41 [a]	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	0.079 U	0.10	0.079 [a]	0.079	ppbv		0.47 U	0.60	0.47 [a]	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.10 U	0.20	0.10 [a]	0.10	ppbv		0.45 U	0.91	0.45 [a]	0.45	ug/m3
100-41-4	106.2	Ethylbenzene	0.061 U	0.20	0.061 [a]	0.061	ppbv		0.26 U	0.87	0.26 [a]	0.26	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.095 U	0.20	0.095 [a]	0.095	ppbv		0.47 U	0.98	0.47 [a]	0.47	ug/m3
76-13-1	187.4	Freon 113	0.13	0.10	0.031 [a]	0.031	ppbv		1.0	0.77	0.24 [a]	0.24	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	0.062 U	0.090	0.062 [a]	0.062	ppbv		0.66 U	0.96	0.66 [a]	0.66	ug/m3
591-78-6	100	2-Hexanone	0.15 U	0.20	0.15 [a]	0.15	ppbv		0.61 U	0.82	0.61 [a]	0.61	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	786VMP-2-0327		
Lab Sample ID:	JE8598-8	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1597	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.45 U	0.69	0.45 [a]	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.33	0.20	0.052 [a]	0.052	ppbv		0.97	0.59	0.15 [a]	0.15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.073 U	0.20	0.073 [a]	0.073	ppbv		0.30 U	0.82	0.30 [a]	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.29 U	0.72	0.29 [a]	0.29	ug/m3
91-20-3	128.17	Naphthalene	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.68 U	1.0	0.68 [a]	0.68	ug/m3
100-42-5	104.1	Styrene	0.053 U	0.20	0.053 [a]	0.053	ppbv		0.23 U	0.85	0.23 [a]	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.078 U	0.10	0.078 [a]	0.078	ppbv		0.43 U	0.55	0.43 [a]	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.048 U	0.10	0.048 [a]	0.048	ppbv		0.33 U	0.69	0.33 [a]	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.038 U	0.10	0.038 [a]	0.038	ppbv		0.21 U	0.55	0.21 [a]	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.12 U	0.10	0.12 [a]	0.12	ppbv		0.89 U	0.74	0.89 [a]	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.087 U	0.20	0.087 [a]	0.087	ppbv		0.43 U	0.98	0.43 [a]	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.39 U	0.98	0.39 [a]	0.39	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.093	0.040	0.030 [a]	0.030	ppbv		0.63	0.27	0.20 [a]	0.20	ug/m3
108-88-3	92.14	Toluene	0.11	0.20	0.057 [a]	0.057	ppbv	J	0.41	0.75	0.21 [a]	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	1.7	0.040	0.019 [a]	0.019	ppbv		9.1	0.21	0.10 [a]	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	0.10	0.057 [a]	0.057	ppbv		1.2	0.56	0.32 [a]	0.32	ug/m3
75-01-4	62.5	Vinyl chloride	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.18 U	0.10	0.18 [a]	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.18	0.20	0.11 [a]	0.11	ppbv	J	0.63	0.70	0.39 [a]	0.39	ug/m3
	106.2	m,p-Xylene	0.14 U	0.20	0.14 [a]	0.14	ppbv		0.61 U	0.87	0.61 [a]	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.077 U	0.20	0.077 [a]	0.077	ppbv		0.33 U	0.87	0.33 [a]	0.33	ug/m3

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

(a) Value reported is laboratory DL (MDL).

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

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	786VMP-3-0327		
Lab Sample ID:	JE8598-9	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1590	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W14417.D	1	04/14/25 07:12	BK	n/a	n/a	V7W501
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	4.9	0.20	0.15 [a]	0.15	ppbv		12	0.48	0.36 [a]	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	0.084 U	0.20	0.084 [a]	0.084	ppbv		0.19 U	0.44	0.19 [a]	0.19	ug/m3
71-43-2	78.11	Benzene	0.15	0.20	0.047 [a]	0.047	ppbv	J	0.48	0.64	0.15 [a]	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.20 U	0.67	0.20 [a]	0.20	ug/m3
75-25-2	252.8	Bromoform	0.071 U	0.040	0.071 [a]	0.071	ppbv		0.73 U	0.41	0.73 [a]	0.73	ug/m3
74-83-9	94.94	Bromomethane	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.78	0.27 [a]	0.27	ug/m3
100-44-7	126	Benzyl Chloride	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.67 U	1.0	0.67 [a]	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.34 U	0.62	0.34 [a]	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	0.074 U	0.20	0.074 [a]	0.074	ppbv		0.34 U	0.92	0.34 [a]	0.34	ug/m3
75-00-3	64.52	Chloroethane	0.068 U	0.20	0.068 [a]	0.068	ppbv		0.18 U	0.53	0.18 [a]	0.18	ug/m3
67-66-3	119.4	Chloroform	0.037 U	0.20	0.037 [a]	0.037	ppbv		0.18 U	0.98	0.18 [a]	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.22	0.20	0.090 [a]	0.090	ppbv		0.45	0.41	0.19 [a]	0.19	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.040 U	0.040	0.040 [a]	0.040	ppbv		0.25 U	0.25	0.25 [a]	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.057 U	0.20	0.057 [a]	0.057	ppbv		0.23 U	0.81	0.23 [a]	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.059 U	0.040	0.059 [a]	0.059	ppbv		0.23 U	0.16	0.23 [a]	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.23 U	0.77	0.23 [a]	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.070 U	0.20	0.070 [a]	0.070	ppbv		0.28 U	0.81	0.28 [a]	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.29 U	0.92	0.29 [a]	0.29	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.10 [a]	0.10	ppbv		2.1	0.99	0.49 [a]	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	0.12 U	0.10	0.12 [a]	0.12	ppbv		1.0 U	0.85	1.0 [a]	1.0	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.79	0.27 [a]	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.030 U	0.040	0.030 [a]	0.030	ppbv		0.12 U	0.16	0.12 [a]	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.28 U	0.91	0.28 [a]	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.028 U	0.10	0.028 [a]	0.028	ppbv		0.17 U	0.60	0.17 [a]	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.41 U	0.24	0.41 [a]	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	0.079 U	0.10	0.079 [a]	0.079	ppbv		0.47 U	0.60	0.47 [a]	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.10 U	0.20	0.10 [a]	0.10	ppbv		0.45 U	0.91	0.45 [a]	0.45	ug/m3
100-41-4	106.2	Ethylbenzene	0.061 U	0.20	0.061 [a]	0.061	ppbv		0.26 U	0.87	0.26 [a]	0.26	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.095 U	0.20	0.095 [a]	0.095	ppbv		0.47 U	0.98	0.47 [a]	0.47	ug/m3
76-13-1	187.4	Freon 113	0.031 U	0.10	0.031 [a]	0.031	ppbv		0.24 U	0.77	0.24 [a]	0.24	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	0.062 U	0.090	0.062 [a]	0.062	ppbv		0.66 U	0.96	0.66 [a]	0.66	ug/m3
591-78-6	100	2-Hexanone	0.15 U	0.20	0.15 [a]	0.15	ppbv		0.61 U	0.82	0.61 [a]	0.61	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	786VMP-3-0327		
Lab Sample ID:	JE8598-9	**Date Sampled:**	03/28/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1590	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.42	0.20	0.13 [a]	0.13	ppbv		1.5	0.69	0.45 [a]	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.4	0.20	0.052 [a]	0.052	ppbv		4.1	0.59	0.15 [a]	0.15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.073 U	0.20	0.073 [a]	0.073	ppbv		0.30 U	0.82	0.30 [a]	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.29 U	0.72	0.29 [a]	0.29	ug/m3
91-20-3	128.17	Naphthalene	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.68 U	1.0	0.68 [a]	0.68	ug/m3
100-42-5	104.1	Styrene	0.053 U	0.20	0.053 [a]	0.053	ppbv		0.23 U	0.85	0.23 [a]	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.078 U	0.10	0.078 [a]	0.078	ppbv		0.43 U	0.55	0.43 [a]	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.048 U	0.10	0.048 [a]	0.048	ppbv		0.33 U	0.69	0.33 [a]	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.038 U	0.10	0.038 [a]	0.038	ppbv		0.21 U	0.55	0.21 [a]	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.12 U	0.10	0.12 [a]	0.12	ppbv		0.89 U	0.74	0.89 [a]	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.087 U	0.20	0.087 [a]	0.087	ppbv		0.43 U	0.98	0.43 [a]	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.39 U	0.98	0.39 [a]	0.39	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.083	0.040	0.030 [a]	0.030	ppbv		0.56	0.27	0.20 [a]	0.20	ug/m3
108-88-3	92.14	Toluene	0.15	0.20	0.057 [a]	0.057	ppbv	J	0.57	0.75	0.21 [a]	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.72	0.040	0.019 [a]	0.019	ppbv		3.9	0.21	0.10 [a]	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	0.10	0.057 [a]	0.057	ppbv		1.2	0.56	0.32 [a]	0.32	ug/m3
75-01-4	62.5	Vinyl chloride	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.18 U	0.10	0.18 [a]	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.26	0.20	0.11 [a]	0.11	ppbv		0.91	0.70	0.39 [a]	0.39	ug/m3
	106.2	m,p-Xylene	0.14 U	0.20	0.14 [a]	0.14	ppbv		0.61 U	0.87	0.61 [a]	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.077 U	0.20	0.077 [a]	0.077	ppbv		0.33 U	0.87	0.33 [a]	0.33	ug/m3

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

(a) Value reported is laboratory DL (MDL).

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

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	786-IA-1-0327		
Lab Sample ID:	JE8598-10	**Date Sampled:**	03/28/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1291	**Date Received:**	04/02/25
Method:	TO-15 (BY SIM)	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6W35387.D	1	04/05/25 09:47	BK	n/a	n/a	V6W1468
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
71-43-2	78.11	Benzene	0.15	0.010	0.0037 [a]	0.0037	ppbv		0.48	0.032	0.012 [a]	0.012	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.087	0.0050	0.0016 [a]	0.0016	ppbv		0.55	0.031	0.010 [a]	0.010	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.0010 U	0.0020	0.0010 [a]	0.0010	ppbv		0.0040 U	0.0079	0.0040 [a]	0.0040	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.0023 U	0.020	0.0023 [a]	0.0023	ppbv		0.0091 U	0.079	0.0091 [a]	0.0091	ug/m3
75-09-2	84.94	Methylene chloride	0.19	0.10	0.014 [a]	0.014	ppbv		0.66	0.35	0.049 [a]	0.049	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.0021 U	0.0050	0.0021 [a]	0.0021	ppbv		0.011 U	0.027	0.011 [a]	0.011	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.0089	0.0050	0.0012 [a]	0.0012	ppbv		0.060	0.034	0.0081 [a]	0.0081	ug/m3
79-01-6	131.4	Trichloroethylene	0.020	0.0050	0.0021 [a]	0.0021	ppbv		0.11	0.027	0.011 [a]	0.011	ug/m3
75-01-4	62.5	Vinyl chloride	0.00056 U	0.0020	0.00056 [a]	0.00056	ppbv		0.0014 U	0.0051	0.0014 [a]	0.0014	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

(a) Value reported is laboratory DL (MDL).

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 785-OA-1-0327
Lab Sample ID: JE8598-11 **Date Sampled:** 03/28/25
Matrix: AIR - Ambient Air Comp. Summa ID: A1657 **Date Received:** 04/02/25
Method: TO-15 **Percent Solids:** n/a
Project: BECOS Former Griffiss AFB, Rome, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W14418.D	1	04/14/25 07:56	BK	n/a	n/a	V7W501
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
67-64-1	58.08	Acetone (2-Propanone)	1.4	0.20	0.15 [a]	0.15	ppbv		3.3	0.48	0.36 [a]	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	0.084 U	0.20	0.084 [a]	0.084	ppbv		0.19 U	0.44	0.19 [a]	0.19	ug/m3
71-43-2	78.11	Benzene	0.20	0.20	0.047 [a]	0.047	ppbv		0.64	0.64	0.15 [a]	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.20 U	0.67	0.20 [a]	0.20	ug/m3
75-25-2	252.8	Bromoform	0.071 U	0.040	0.071 [a]	0.071	ppbv		0.73 U	0.41	0.73 [a]	0.73	ug/m3
74-83-9	94.94	Bromomethane	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.78	0.27 [a]	0.27	ug/m3
100-44-7	126	Benzyl Chloride	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.67 U	1.0	0.67 [a]	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.34 U	0.62	0.34 [a]	0.34	ug/m3
108-90-7	112.6	Chlorobenzene	0.074 U	0.20	0.074 [a]	0.074	ppbv		0.34 U	0.92	0.34 [a]	0.34	ug/m3
75-00-3	64.52	Chloroethane	0.068 U	0.20	0.068 [a]	0.068	ppbv		0.18 U	0.53	0.18 [a]	0.18	ug/m3
67-66-3	119.4	Chloroform	0.037 U	0.20	0.037 [a]	0.037	ppbv		0.18 U	0.98	0.18 [a]	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.45	0.20	0.090 [a]	0.090	ppbv		0.93	0.41	0.19 [a]	0.19	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.040 U	0.040	0.040 [a]	0.040	ppbv		0.25 U	0.25	0.25 [a]	0.25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.057 U	0.20	0.057 [a]	0.057	ppbv		0.23 U	0.81	0.23 [a]	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.059 U	0.040	0.059 [a]	0.059	ppbv		0.23 U	0.16	0.23 [a]	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	0.030 U	0.10	0.030 [a]	0.030	ppbv		0.23 U	0.77	0.23 [a]	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.070 U	0.20	0.070 [a]	0.070	ppbv		0.28 U	0.81	0.28 [a]	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.29 U	0.92	0.29 [a]	0.29	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.10 [a]	0.10	ppbv		2.1	0.99	0.49 [a]	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	0.12 U	0.10	0.12 [a]	0.12	ppbv		1.0 U	0.85	1.0 [a]	1.0	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.069 U	0.20	0.069 [a]	0.069	ppbv		0.27 U	0.79	0.27 [a]	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.030 U	0.040	0.030 [a]	0.030	ppbv		0.12 U	0.16	0.12 [a]	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	0.062 U	0.20	0.062 [a]	0.062	ppbv		0.28 U	0.91	0.28 [a]	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.028 U	0.10	0.028 [a]	0.028	ppbv		0.17 U	0.60	0.17 [a]	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.41 U	0.24	0.41 [a]	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	0.079 U	0.10	0.079 [a]	0.079	ppbv		0.47 U	0.60	0.47 [a]	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	0.10 U	0.20	0.10 [a]	0.10	ppbv		0.45 U	0.91	0.45 [a]	0.45	ug/m3
100-41-4	106.2	Ethylbenzene	0.061 U	0.20	0.061 [a]	0.061	ppbv		0.26 U	0.87	0.26 [a]	0.26	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.095 U	0.20	0.095 [a]	0.095	ppbv		0.47 U	0.98	0.47 [a]	0.47	ug/m3
76-13-1	187.4	Freon 113	0.031 U	0.10	0.031 [a]	0.031	ppbv		0.24 U	0.77	0.24 [a]	0.24	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	0.062 U	0.090	0.062 [a]	0.062	ppbv		0.66 U	0.96	0.66 [a]	0.66	ug/m3
591-78-6	100	2-Hexanone	0.15 U	0.20	0.15 [a]	0.15	ppbv		0.61 U	0.82	0.61 [a]	0.61	ug/m3

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	785-OA-1-0327		
Lab Sample ID:	JE8598-11	**Date Sampled:**	03/28/25
Matrix:	AIR - Ambient Air Comp. Summa ID: A1657	**Date Received:**	04/02/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	BECOS Former Griffiss AFB, Rome, NY		

BECOS Former Griffiss AFB, Rome, NY

CAS No.	MW	Compound	Result	LOQ	LOD	DL	Units	Q	Result	LOQ	LOD	DL	Units
75-09-2	84.94	Methylene chloride	0.21	0.20	0.13 [a]	0.13	ppbv		0.73	0.69	0.45 [a]	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.64	0.20	0.052 [a]	0.052	ppbv		1.9	0.59	0.15 [a]	0.15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.073 U	0.20	0.073 [a]	0.073	ppbv		0.30 U	0.82	0.30 [a]	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.29 U	0.72	0.29 [a]	0.29	ug/m3
91-20-3	128.17	Naphthalene	0.13 U	0.20	0.13 [a]	0.13	ppbv		0.68 U	1.0	0.68 [a]	0.68	ug/m3
100-42-5	104.1	Styrene	0.053 U	0.20	0.053 [a]	0.053	ppbv		0.23 U	0.85	0.23 [a]	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.078 U	0.10	0.078 [a]	0.078	ppbv		0.43 U	0.55	0.43 [a]	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	0.048 U	0.10	0.048 [a]	0.048	ppbv		0.33 U	0.69	0.33 [a]	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	0.038 U	0.10	0.038 [a]	0.038	ppbv		0.21 U	0.55	0.21 [a]	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.12 U	0.10	0.12 [a]	0.12	ppbv		0.89 U	0.74	0.89 [a]	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.087 U	0.20	0.087 [a]	0.087	ppbv		0.43 U	0.98	0.43 [a]	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.080 U	0.20	0.080 [a]	0.080	ppbv		0.39 U	0.98	0.39 [a]	0.39	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.030 U	0.040	0.030 [a]	0.030	ppbv		0.20 U	0.27	0.20 [a]	0.20	ug/m3
108-88-3	92.14	Toluene	0.057 U	0.20	0.057 [a]	0.057	ppbv		0.21 U	0.75	0.21 [a]	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.019 U	0.040	0.019 [a]	0.019	ppbv		0.10 U	0.21	0.10 [a]	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.10	0.057 [a]	0.057	ppbv		1.3	0.56	0.32 [a]	0.32	ug/m3
75-01-4	62.5	Vinyl chloride	0.069 U	0.040	0.069 [a]	0.069	ppbv		0.18 U	0.10	0.18 [a]	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.11 U	0.20	0.11 [a]	0.11	ppbv		0.39 U	0.70	0.39 [a]	0.39	ug/m3
	106.2	m,p-Xylene	0.14 U	0.20	0.14 [a]	0.14	ppbv		0.61 U	0.87	0.61 [a]	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.077 U	0.20	0.077 [a]	0.077	ppbv		0.33 U	0.87	0.33 [a]	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		65-128%

(a) Value reported is laboratory DL (MDL).

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

U = Not detected LOD = Limit of Detection J = Indicates an estimated value

LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions (DOD)
- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- QC Evaluation: DOD QSM5.x Limits
- MDL Studies

Parameter Certification Exceptions

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

The following parameters included in this report are exceptions to DOD certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Acetone (2-Propanone)	67-64-1	**TO-15**	AIR	SGS is not certified for this parameter.
1,3-Butadiene	106-99-0	**TO-15**	AIR	SGS is not certified for this parameter.
Benzene	71-43-2	**TO-15**	AIR	SGS is not certified for this parameter.
Benzene	71-43-2	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Benzyl Chloride	100-44-7	**TO-15**	AIR	SGS is not certified for this parameter.
Bromodichloromethane	75-27-4	**TO-15**	AIR	SGS is not certified for this parameter.
Bromoform	75-25-2	**TO-15**	AIR	SGS is not certified for this parameter.
Bromomethane	74-83-9	**TO-15**	AIR	SGS is not certified for this parameter.
Carbon disulfide	75-15-0	**TO-15**	AIR	SGS is not certified for this parameter.
Carbon tetrachloride	56-23-5	**TO-15**	AIR	SGS is not certified for this parameter.
Carbon tetrachloride	56-23-5	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Chlorobenzene	108-90-7	**TO-15**	AIR	SGS is not certified for this parameter.
Chloroethane	75-00-3	**TO-15**	AIR	SGS is not certified for this parameter.
Chloroform	67-66-3	**TO-15**	AIR	SGS is not certified for this parameter.
Chloromethane	74-87-3	**TO-15**	AIR	SGS is not certified for this parameter.
1,1-Dichloroethane	75-34-3	**TO-15**	AIR	SGS is not certified for this parameter.
1,1-Dichloroethylene	75-35-4	**TO-15**	AIR	SGS is not certified for this parameter.
1,1-Dichloroethylene	75-35-4	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
1,2-Dibromoethane (EDB)	106-93-4	**TO-15**	AIR	SGS is not certified for this parameter.
1,2-Dichloroethane	107-06-2	**TO-15**	AIR	SGS is not certified for this parameter.
1,2-Dichloropropane	78-87-5	**TO-15**	AIR	SGS is not certified for this parameter.
Dibromochloromethane	124-48-1	**TO-15**	AIR	SGS is not certified for this parameter.
Dichlorodifluoromethane	75-71-8	**TO-15**	AIR	SGS is not certified for this parameter.
cis-1,2-Dichloroethylene	156-59-2	**TO-15**	AIR	SGS is not certified for this parameter.
cis-1,2-Dichloroethylene	156-59-2	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
cis-1,3-Dichloropropene	10061-01-5	**TO-15**	AIR	SGS is not certified for this parameter.
m-Dichlorobenzene	541-73-1	**TO-15**	AIR	SGS is not certified for this parameter.
o-Dichlorobenzene	95-50-1	**TO-15**	AIR	SGS is not certified for this parameter.
p-Dichlorobenzene	106-46-7	**TO-15**	AIR	SGS is not certified for this parameter.
trans-1,2-Dichloroethylene	156-60-5	**TO-15**	AIR	SGS is not certified for this parameter.
trans-1,3-Dichloropropene	10061-02-6	**TO-15**	AIR	SGS is not certified for this parameter.
4-Ethyltoluene	622-96-8	**TO-15**	AIR	SGS is not certified for this parameter.
Ethylbenzene	100-41-4	**TO-15**	AIR	SGS is not certified for this parameter.
Freon 113	76-13-1	**TO-15**	AIR	SGS is not certified for this parameter.
2-Hexanone	591-78-6	**TO-15**	AIR	SGS is not certified for this parameter.
Hexachlorobutadiene	87-68-3	**TO-15**	AIR	SGS is not certified for this parameter.
Methyl Isobutyl Ketone	108-10-1	**TO-15**	AIR	SGS is not certified for this parameter.
Methyl Tert Butyl Ether	1634-04-4	**TO-15**	AIR	SGS is not certified for this parameter.
Methyl ethyl ketone	78-93-3	**TO-15**	AIR	SGS is not certified for this parameter.
Methylene chloride	75-09-2	**TO-15**	AIR	SGS is not certified for this parameter.
Methylene chloride	75-09-2	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Naphthalene	91-20-3	**TO-15**	AIR	SGS is not certified for this parameter.

Parameter Certification Exceptions

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

The following parameters included in this report are exceptions to DOD certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Styrene	100-42-5	**TO-15**	AIR	SGS is not certified for this parameter.
1,1,1-Trichloroethane	71-55-6	**TO-15**	AIR	SGS is not certified for this parameter.
1,1,1-Trichloroethane	71-55-6	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
1,1,2,2-Tetrachloroethane	79-34-5	**TO-15**	AIR	SGS is not certified for this parameter.
1,1,2-Trichloroethane	79-00-5	**TO-15**	AIR	SGS is not certified for this parameter.
1,2,4-Trichlorobenzene	120-82-1	**TO-15**	AIR	SGS is not certified for this parameter.
1,2,4-Trimethylbenzene	95-63-6	**TO-15**	AIR	SGS is not certified for this parameter.
1,3,5-Trimethylbenzene	108-67-8	**TO-15**	AIR	SGS is not certified for this parameter.
Tetrachloroethylene	127-18-4	**TO-15**	AIR	SGS is not certified for this parameter.
Tetrachloroethylene	127-18-4	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Toluene	108-88-3	**TO-15**	AIR	SGS is not certified for this parameter.
Trichloroethylene	79-01-6	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
Trichloroethylene	79-01-6	**TO-15**	AIR	SGS is not certified for this parameter.
Trichlorofluoromethane	75-69-4	**TO-15**	AIR	SGS is not certified for this parameter.
Vinyl Acetate	108-05-4	**TO-15**	AIR	SGS is not certified for this parameter.
Vinyl chloride	75-01-4	**TO-15**	AIR	SGS is not certified for this parameter.
Vinyl chloride	75-01-4	**TO-15 (BY SIM)**	AIR	SGS is not certified for this parameter.
m,p-Xylene		**TO-15**	AIR	SGS is not certified for this parameter.
o-Xylene	95-47-6	**TO-15**	AIR	SGS is not certified for this parameter.

SGS

Cert. Air

AIR CHAIN OF CUSTODY

PAGE 1 OF 2

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # 7377 5691 4363
Bottle Order Control # MW 02725-SV
SGS Quote #
SGS Job # JE8598

Client / Reporting Information	Project Information	Weather Parameters
Company Name: Bhate Environmental	Project Name: Grills SVI	Temperature (Fahrenheit) Start: Maximum: Stop: Minimum:
Address	Street	
City State Zip	City State	Atmoshpheric Pressure (inches of Hg) Start: Maximum: Stop: Minimum:
Project Contact E-mail	Project #	
Phone # Fax #	Client Purchase Order #	Other weather comment:

Sampler(s) Name(s): Pratt / Smith

Requested Analysis: TO15, TO15 SIM

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	TO15	TO15 SIM
1	785VMP-2-0325	SV	M122	6L	FC 1215	3-27-25	1100	-27	65	JP	3-28	1030	-1	45	JP	X	
2	785VMP-2-0325-A	SV	A1577	6L	FC 1172	3-27	1100	-31	65		3-28	1030	0	65		X	
3	785VMP-4-0327	SV	A1467	6L	FC1125	3-27	1045	-31	65		3-28	1020	-1	65		X	
4	785VMP-5-0327	SV	M400	6L	FC1140	3-27	1215	-29	65		3-28	1115	0	65		X	
5	785-IA-1-0327	I	A1171	6L	FC1081	3-27	1030	-29	65		3-28	1025	-1	65			X
6	785-IA-2-0327	I	A1579	6L	FC1091	3-27	1035	-29	65		3-28	1035	0	65			X
7	786VMP-1-0327	SV	A1591	6L	FC 1166	3-27	1330	-31	65		3-28	1135	-1	65		X	
8	786VMP-2-0327	SV	A1597	6L	FC379	3-27	1315	-28.5	65		3-28	1125	-1	65		X	
9	786VMP-3-0327	SV	A1596	6L	FC752	3-27	1340	-30	65		3-28	1140	0	65		X	
10	786-IA-1-0327	~~I~~ SV	A1291	6L	FC 1303	3-27	1225	-30	65		3-28	1130	0	65			X

Turnaround Time (Business days)
- Standard - 15 Days
- 10 Day
- 5 Day
- 3 Day
- 2 Day
- 1 Day
- Other

Approved By: _____
Date: _____

Data Deliverable Information
All NJDEP TO-15 is Mandatory Full T1
- Comm A
- Comm B
- Reduced T2
- Full T1
- Other:
- DKQP reporting

Comments / Remarks
Final Assessment 48-JCW
2nd Verification _____
Sample inventory is verified upon receipt in the Laboratory

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

Relinquished by Laboratory: 1	Date Time: 2/1/25 5:00	Received By: 1	Relinquished By: 2	Date Time:	Received By: 2
Relinquished by: 3	Date Time: 3/31/25 1200	Received By: 3 Fedex	Relinquished By: 4 Fedex	Date Time: 4/2/25 10:35	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

5.2 5

JE8598: Chain of Custody
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SGS

AIR CHAIN OF CUSTODY

PAGE 2 OF 2

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #: MM.0212725-SK
SGS Quote #: | SGS Job #: JE8598

Client / Reporting Information			Project Information			Weather Parameters		Requested Analysis
Company Name: Bhate Environmental			Project Name: Grid's SVI			Temperature (Fahrenheit) Start: Maximum: Stop: Minimum:		
Address			Street					
City	State	Zip	City		State			
Project Contact	E-mail		Project #			Atmoshpheric Pressure (inches of Hg) Start: Maximum: Stop: Minimum:		
Phone #	Fax #		Client Purchase Order #			Other weather comment:		TO-15
Sampler(s) Name(s): Pratt / Smith								

		Air Type	Sampling Equipment Info			Start Sampling Information					Stop Sampling Information					
Lab Sample #	Field ID / Point of Collection	Indoor (I) Soil Vap (SV) Ambient (A)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	
11	285-OA-1-0327	A	~~4178~~	6L	FC1281	3.27.25	1200	-30	65	JP	3.28.25	1120	-4	65	JP	8
		A	SC TA1657	6												

Turnaround Time (Business days)
- Standard - 15 Days
- 10 Day
- 5 Day
- 3 Day
- 2 Day
- 1 Day
- Other

Approved By: _____
Date: _____

Data Deliverable Information
All NJDEP TO-15 is Mandatory Full T1
- Comm A
- Comm B
- Reduced T2
- Full T1
- Other:
- DKQP reporting

Comments / Remarks
Sample inventory is verified upon receipt in the Laboratory

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2/4/25 5:00	1	2		2
Relinquished by: 3 JPratt	Date Time: 3.31.25 1200	Received By: 3 Fed Ex	Relinquished By: 4 Fed Ex	Date Time: 4/2/25 10:30	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

JE8598: Chain of Custody
Page 2 of 4

SGS Sample Receipt Summary

Job Number: je8598 **Client:** BHATE ENVIRONMENTAL ASSOCIATES, **Project:** BECOS FORMER GRIFFISS AFB, ROME, NY

Date / Time Received: 4/2/2025 10:35:00 AM **Delivery Method:** FED EX **Airbill #'s:** 7377 56591 4363

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

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

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

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

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

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

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

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

Comments -5 Rec'd canister A1711, not A1171.

Responded to by: Marie Meidhof

Response Date: 4/3/2025

-5, canister A1711 is the correct one (part of order MM-021725-80).

JE8598: Chain of Custody
Page 4 of 4

Summa Canister and Flow Controller Log

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Received: 04/02/25

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M122	6	29.5	01/31/25	JT	CP12963	5W56380.D	JE8598-1	04/11/25	TCH	0			1
A1577	6	29	01/31/25	JT	CP12971	7W11903.D	JE8598-2	04/11/25	TCH	0			1
A1467	6	29.5	01/31/25	JT	CP12963	5W56380.D	JE8598-3	04/11/25	TCH	0			1
M400	6	29.5	01/31/25	JT	CP12963	5W56380.D	JE8598-4	04/11/25	TCH	0			1
A1711	6	29.5	02/27/25	JT	CP13012	5W57093.D	JE8598-5	04/04/25	BK	0			1
A1579	6	29.5	02/27/25	JT	CP13012	5W57093.D	JE8598-6	04/04/25	BK	0			1
A1591	6	29.5	02/27/25	JT	CP13012	5W57093.D	JE8598-7	04/11/25	TCH	0			1
A1597	6	29.5	01/31/25	JT	CP12978	7W12133.D	JE8598-8	04/11/25	TCH	0			1
A1590	6	29.5	01/31/25	JT	CP12975	7W11955.D	JE8598-9	04/11/25	TCH	0			1
A1291	6	29.5	01/31/25	JT	CP12974	5W56382.D	JE8598-10	04/04/25	BK	0			1
A1657	6	29.5	01/31/25	JT	CP12974	5W56382.D	JE8598-11	04/11/25	TCH		.2		1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC379	01/30/25	JT	10.3	8	04/04/25	JT	10.6	2.9	Flow Controller
FC752	01/30/25	JT	10.4	8	04/04/25	JT	11.1	6.5	Flow Controller
FC1081	02/27/25	JT	10.5	8	04/04/25	JT	12.2	15	Flow Controller
FC1091	02/27/25	JT	10.5	8	04/04/25	JT	11.6	10	Flow Controller
FC1125	01/30/25	JT	10.5	8	04/04/25	JT	10.7	1.9	Flow Controller
FC1140	01/30/25	JT	10.4	8	04/04/25	JT	11.5	10	Flow Controller
FC1166	02/27/25	JT	10.4	8	04/04/25	JT	11	5.6	Flow Controller
FC1172	01/30/25	JT	10.3	8	04/04/25	JT	12	15.2	Flow Controller
FC1215	01/30/25	JT	10.5	8	04/04/25	JT	10.6	0.9	Flow Controller
FC1281	01/30/25	JT	10.4	8	04/04/25	JT	11.5	10	Flow Controller
FC1303	01/30/25	JT	10.5	8	04/04/25	JT	13.1	22*	Flow Controller

* Flow controller RPD > 20%

SGS Bottle Order(s):
KR-012425-30
KR-012425-31
MM-021725-80

Prep Date	Room Temp(F)	Bar Pres "Hg
01/31/25	70	29.92
02/27/25	70	29.92

Internal Sample Tracking Chronicle

Bhate Environmental Associates, Inc.

Job No: JE8598

BECOS Former Griffiss AFB, Rome, NY

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE8598-1	Collected: 28-MAR-25 10:30 By: JP 785VMP-2-0325		Received: 02-APR-25 By: JK			
JE8598-1	TO-15	14-APR-25 02:45	BK			VTO15SL
JE8598-2	Collected: 28-MAR-25 10:30 By: JP 785VMP-2-0325-A		Received: 02-APR-25 By: JK			
JE8598-2	TO-15	14-APR-25 03:29	BK			VTO15SL
JE8598-3	Collected: 28-MAR-25 10:20 By: JP 785VMP-4-0327		Received: 02-APR-25 By: JK			
JE8598-3	TO-15	14-APR-25 02:00	BK			VTO15SL
JE8598-4	Collected: 28-MAR-25 11:15 By: JP 785VMP-5-0327		Received: 02-APR-25 By: JK			
JE8598-4	TO-15	14-APR-25 04:58	BK			VTO15SL
JE8598-5	Collected: 28-MAR-25 10:25 By: JP 785-IA-1-0327		Received: 02-APR-25 By: JK			
JE8598-5	TO-15 (BY SIM)	05-APR-25 08:22	BK			VTO15SIMSL
JE8598-6	Collected: 28-MAR-25 10:35 By: JP 785-IA-2-0327		Received: 02-APR-25 By: JK			
JE8598-6	TO-15 (BY SIM)	05-APR-25 09:05	BK			VTO15SIMSL
JE8598-7	Collected: 28-MAR-25 11:35 By: JP 786VMP-1-0327		Received: 02-APR-25 By: JK			
JE8598-7	TO-15	14-APR-25 05:43	BK			VTO15SL
JE8598-8	Collected: 28-MAR-25 11:25 By: JP 786VMP-2-0327		Received: 02-APR-25 By: JK			
JE8598-8	TO-15	14-APR-25 06:28	BK			VTO15SL

Internal Sample Tracking Chronicle

Bhate Environmental Associates, Inc.

Job No: JE8598

BECOS Former Griffiss AFB, Rome, NY

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE8598-9	Collected: 28-MAR-25 11:40 By: JP			Received: 02-APR-25	By: JK	
786VMP-3-0327						
JE8598-9	TO-15	14-APR-25 07:12	BK			VTO15SL
JE8598-10	Collected: 28-MAR-25 11:30 By: JP			Received: 02-APR-25	By: JK	
786-IA-1-0327						
JE8598-10	TO-15 (BY SIM)	05-APR-25 09:47	BK			VTO15SIMSL
JE8598-11	Collected: 28-MAR-25 11:20 By: JP			Received: 02-APR-25	By: JK	
785-OA-1-0327						
JE8598-11	TO-15	14-APR-25 07:56	BK			VTO15SL

SGS Internal Chain of Custody

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Received: 04/02/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE8598-1.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-1.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-2.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-2.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-3.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-3.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-4.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-4.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-5.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-5.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-6.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-6.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-7.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-7.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-8.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-8.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-9.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-9.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-10.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-10.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-11.1	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage
JE8598-11.2	Jabaery Ellis	Secured Storage	04/02/25 19:58	Return to Storage

QC Evaluation: DOD QSM5.x Limits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V7W501	TO-15						
V7W501-BS	67-64-1	Acetone (2-Propanone)	BSP	REC	84	%	58-128
V7W501-BS	106-99-0	1,3-Butadiene	BSP	REC	90	%	66-134
V7W501-BS	71-43-2	Benzene	BSP	REC	117	%	69-119
V7W501-BS	75-27-4	Bromodichloromethane	BSP	REC	115	%	72-128
V7W501-BS	75-25-2	Bromoform	BSP	REC	115	%	66-139
V7W501-BS	74-83-9	Bromomethane	BSP	REC	121	%	63-134
V7W501-BS	100-44-7	Benzyl Chloride	BSP	REC	102	%	50-147
V7W501-BS	75-15-0	Carbon disulfide	BSP	REC	123	%	57-134
V7W501-BS	108-90-7	Chlorobenzene	BSP	REC	104	%	70-119
V7W501-BS	75-00-3	Chloroethane	BSP	REC	117	%	63-127
V7W501-BS	67-66-3	Chloroform	BSP	REC	115	%	68-123
V7W501-BS	74-87-3	Chloromethane	BSP	REC	86	%	59-132
V7W501-BS	56-23-5	Carbon tetrachloride	BSP	REC	108	%	68-132
V7W501-BS	75-34-3	1,1-Dichloroethane	BSP	REC	113	%	68-126
V7W501-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	114	%	61-133
V7W501-BS	106-93-4	1,2-Dibromoethane (EDB)	BSP	REC	111	%	74-122
V7W501-BS	107-06-2	1,2-Dichloroethane	BSP	REC	103	%	65-128
V7W501-BS	78-87-5	1,2-Dichloropropane	BSP	REC	110	%	69-123
V7W501-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	119	%	59-128
V7W501-BS	124-48-1	Dibromochloromethane	BSP	REC	106	%	70-130
V7W501-BS	156-60-5	trans-1,2-Dichloroethylene	BSP	REC	114	%	67-124
V7W501-BS	156-59-2	cis-1,2-Dichloroethylene	BSP	REC	115	%	70-121
V7W501-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	113	%	70-128
V7W501-BS	541-73-1	m-Dichlorobenzene	BSP	REC	106	%	65-130
V7W501-BS	95-50-1	o-Dichlorobenzene	BSP	REC	102	%	63-129
V7W501-BS	106-46-7	p-Dichlorobenzene	BSP	REC	104	%	60-131
V7W501-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	109	%	75-133
V7W501-BS	100-41-4	Ethylbenzene	BSP	REC	105	%	70-124
V7W501-BS	622-96-8	4-Ethyltoluene	BSP	REC	111	%	67-129
V7W501-BS	76-13-1	Freon 113	BSP	REC	112	%	66-126
V7W501-BS	87-68-3	Hexachlorobutadiene	BSP	REC	134 [a]	%	56-138
V7W501-BS	591-78-6	2-Hexanone	BSP	REC	89	%	62-128
V7W501-BS	75-09-2	Methylene chloride	BSP	REC	114	%	62-115
V7W501-BS	78-93-3	Methyl ethyl ketone	BSP	REC	116	%	67-130
V7W501-BS	108-10-1	Methyl Isobutyl Ketone	BSP	REC	99	%	67-130
V7W501-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	109	%	66-126
V7W501-BS	91-20-3	Naphthalene	BSP	REC	108	%	57-138
V7W501-BS	100-42-5	Styrene	BSP	REC	112	%	73-127
V7W501-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	112	%	68-125
V7W501-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	117	%	65-127
V7W501-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	115	%	73-119
V7W501-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	121	%	55-142

* Sample used for QC is not from job JE8598

QC Evaluation: DOD QSM5.x Limits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V7W501-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	113	%	66-132
V7W501-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	112	%	67-130
V7W501-BS	127-18-4	Tetrachloroethylene	BSP	REC	106	%	66-124
V7W501-BS	108-88-3	Toluene	BSP	REC	108	%	66-119
V7W501-BS	79-01-6	Trichloroethylene	BSP	REC	113	%	71-123
V7W501-BS	75-69-4	Trichlorofluoromethane	BSP	REC	115	%	62-126
V7W501-BS	75-01-4	Vinyl chloride	BSP	REC	118	%	64-127
V7W501-BS	108-05-4	Vinyl Acetate	BSP	REC	111	%	56-139
V7W501-BS		m,p-Xylene	BSP	REC	109	%	61-134
V7W501-BS	95-47-6	o-Xylene	BSP	REC	109	%	67-125
V7W501-BSD	67-64-1	Acetone (2-Propanone)	BSD	REC	83	%	58-128
V7W501-BSD	106-99-0	1,3-Butadiene	BSD	REC	91	%	66-134
V7W501-BSD	71-43-2	Benzene	BSD	REC	117	%	69-119
V7W501-BSD	75-27-4	Bromodichloromethane	BSD	REC	113	%	72-128
V7W501-BSD	75-25-2	Bromoform	BSD	REC	115	%	66-139
V7W501-BSD	74-83-9	Bromomethane	BSD	REC	120	%	63-134
V7W501-BSD	100-44-7	Benzyl Chloride	BSD	REC	101	%	50-147
V7W501-BSD	75-15-0	Carbon disulfide	BSD	REC	123	%	57-134
V7W501-BSD	108-90-7	Chlorobenzene	BSD	REC	104	%	70-119
V7W501-BSD	75-00-3	Chloroethane	BSD	REC	118	%	63-127
V7W501-BSD	67-66-3	Chloroform	BSD	REC	114	%	68-123
V7W501-BSD	74-87-3	Chloromethane	BSD	REC	85	%	59-132
V7W501-BSD	56-23-5	Carbon tetrachloride	BSD	REC	109	%	68-132
V7W501-BSD	75-34-3	1,1-Dichloroethane	BSD	REC	112	%	68-126
V7W501-BSD	75-35-4	1,1-Dichloroethylene	BSD	REC	113	%	61-133
V7W501-BSD	106-93-4	1,2-Dibromoethane (EDB)	BSD	REC	109	%	74-122
V7W501-BSD	107-06-2	1,2-Dichloroethane	BSD	REC	102	%	65-128
V7W501-BSD	78-87-5	1,2-Dichloropropane	BSD	REC	109	%	69-123
V7W501-BSD	75-71-8	Dichlorodifluoromethane	BSD	REC	117	%	59-128
V7W501-BSD	124-48-1	Dibromochloromethane	BSD	REC	104	%	70-130
V7W501-BSD	156-60-5	trans-1,2-Dichloroethylene	BSD	REC	112	%	67-124
V7W501-BSD	156-59-2	cis-1,2-Dichloroethylene	BSD	REC	115	%	70-121
V7W501-BSD	10061-01-5	cis-1,3-Dichloropropene	BSD	REC	111	%	70-128
V7W501-BSD	541-73-1	m-Dichlorobenzene	BSD	REC	104	%	65-130
V7W501-BSD	95-50-1	o-Dichlorobenzene	BSD	REC	101	%	63-129
V7W501-BSD	106-46-7	p-Dichlorobenzene	BSD	REC	105	%	60-131
V7W501-BSD	10061-02-6	trans-1,3-Dichloropropene	BSD	REC	108	%	75-133
V7W501-BSD	100-41-4	Ethylbenzene	BSD	REC	105	%	70-124
V7W501-BSD	622-96-8	4-Ethyltoluene	BSD	REC	111	%	67-129
V7W501-BSD	76-13-1	Freon 113	BSD	REC	110	%	66-126
V7W501-BSD	87-68-3	Hexachlorobutadiene	BSD	REC	133 [a]	%	56-138
V7W501-BSD	591-78-6	2-Hexanone	BSD	REC	87	%	62-128
V7W501-BSD	75-09-2	Methylene chloride	BSD	REC	113	%	62-115
V7W501-BSD	78-93-3	Methyl ethyl ketone	BSD	REC	115	%	67-130
V7W501-BSD	108-10-1	Methyl Isobutyl Ketone	BSD	REC	98	%	67-130

* Sample used for QC is not from job JE8598

QC Evaluation: DOD QSM5.x Limits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V7W501-BSD	1634-04-4	Methyl Tert Butyl Ether	BSD	REC	109	%	66-126
V7W501-BSD	91-20-3	Naphthalene	BSD	REC	106	%	57-138
V7W501-BSD	100-42-5	Styrene	BSD	REC	112	%	73-127
V7W501-BSD	71-55-6	1,1,1-Trichloroethane	BSD	REC	110	%	68-125
V7W501-BSD	79-34-5	1,1,2,2-Tetrachloroethane	BSD	REC	117	%	65-127
V7W501-BSD	79-00-5	1,1,2-Trichloroethane	BSD	REC	113	%	73-119
V7W501-BSD	120-82-1	1,2,4-Trichlorobenzene	BSD	REC	120	%	55-142
V7W501-BSD	95-63-6	1,2,4-Trimethylbenzene	BSD	REC	112	%	66-132
V7W501-BSD	108-67-8	1,3,5-Trimethylbenzene	BSD	REC	111	%	67-130
V7W501-BSD	127-18-4	Tetrachloroethylene	BSD	REC	104	%	66-124
V7W501-BSD	108-88-3	Toluene	BSD	REC	107	%	66-119
V7W501-BSD	79-01-6	Trichloroethylene	BSD	REC	110	%	71-123
V7W501-BSD	75-69-4	Trichlorofluoromethane	BSD	REC	114	%	62-126
V7W501-BSD	75-01-4	Vinyl chloride	BSD	REC	118	%	64-127
V7W501-BSD	108-05-4	Vinyl Acetate	BSD	REC	112	%	56-139
V7W501-BSD		m,p-Xylene	BSD	REC	109	%	61-134
V7W501-BSD	95-47-6	o-Xylene	BSD	REC	109	%	67-125
JE8503-1DUP*	67-64-1	Acetone (2-Propanone)	DUP	RPD	2	%	20
JE8503-1DUP*	106-99-0	1,3-Butadiene	DUP	RPD	0	%	20
JE8503-1DUP*	71-43-2	Benzene	DUP	RPD	4	%	20
JE8503-1DUP*	75-27-4	Bromodichloromethane	DUP	RPD	0	%	20
JE8503-1DUP*	75-25-2	Bromoform	DUP	RPD	0	%	20
JE8503-1DUP*	74-83-9	Bromomethane	DUP	RPD	0	%	20
JE8503-1DUP*	100-44-7	Benzyl Chloride	DUP	RPD	0	%	20
JE8503-1DUP*	75-15-0	Carbon disulfide	DUP	RPD	0	%	20
JE8503-1DUP*	108-90-7	Chlorobenzene	DUP	RPD	0	%	20
JE8503-1DUP*	75-00-3	Chloroethane	DUP	RPD	0	%	20
JE8503-1DUP*	67-66-3	Chloroform	DUP	RPD	0	%	20
JE8503-1DUP*	74-87-3	Chloromethane	DUP	RPD	6	%	20
JE8503-1DUP*	56-23-5	Carbon tetrachloride	DUP	RPD	0	%	20
JE8503-1DUP*	75-34-3	1,1-Dichloroethane	DUP	RPD	0	%	20
JE8503-1DUP*	75-35-4	1,1-Dichloroethylene	DUP	RPD	0	%	20
JE8503-1DUP*	106-93-4	1,2-Dibromoethane (EDB)	DUP	RPD	0	%	20
JE8503-1DUP*	107-06-2	1,2-Dichloroethane	DUP	RPD	0	%	20
JE8503-1DUP*	78-87-5	1,2-Dichloropropane	DUP	RPD	0	%	20
JE8503-1DUP*	75-71-8	Dichlorodifluoromethane	DUP	RPD	2	%	20
JE8503-1DUP*	124-48-1	Dibromochloromethane	DUP	RPD	0	%	20
JE8503-1DUP*	156-60-5	trans-1,2-Dichloroethylene	DUP	RPD	0	%	20
JE8503-1DUP*	156-59-2	cis-1,2-Dichloroethylene	DUP	RPD	0	%	20
JE8503-1DUP*	10061-01-5	cis-1,3-Dichloropropene	DUP	RPD	0	%	20
JE8503-1DUP*	541-73-1	m-Dichlorobenzene	DUP	RPD	0	%	20
JE8503-1DUP*	95-50-1	o-Dichlorobenzene	DUP	RPD	0	%	20
JE8503-1DUP*	106-46-7	p-Dichlorobenzene	DUP	RPD	0	%	20
JE8503-1DUP*	10061-02-6	trans-1,3-Dichloropropene	DUP	RPD	0	%	20
JE8503-1DUP*	100-41-4	Ethylbenzene	DUP	RPD	0	%	20

* Sample used for QC is not from job JE8598

QC Evaluation: DOD QSM5.x Limits

Job Number: JE8598
Account: Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Collected: 03/28/25

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
JE8503-1DUP*	622-96-8	4-Ethyltoluene	DUP	RPD	0	%	20
JE8503-1DUP*	76-13-1	Freon 113	DUP	RPD	0	%	20
JE8503-1DUP*	87-68-3	Hexachlorobutadiene	DUP	RPD	0	%	20
JE8503-1DUP*	591-78-6	2-Hexanone	DUP	RPD	0	%	20
JE8503-1DUP*	75-09-2	Methylene chloride	DUP	RPD	0	%	20
JE8503-1DUP*	78-93-3	Methyl ethyl ketone	DUP	RPD	2	%	20
JE8503-1DUP*	108-10-1	Methyl Isobutyl Ketone	DUP	RPD	0	%	20
JE8503-1DUP*	1634-04-4	Methyl Tert Butyl Ether	DUP	RPD	0	%	20
JE8503-1DUP*	91-20-3	Naphthalene	DUP	RPD	0	%	20
JE8503-1DUP*	100-42-5	Styrene	DUP	RPD	0	%	20
JE8503-1DUP*	71-55-6	1,1,1-Trichloroethane	DUP	RPD	0	%	20
JE8503-1DUP*	79-34-5	1,1,2,2-Tetrachloroethane	DUP	RPD	0	%	20
JE8503-1DUP*	79-00-5	1,1,2-Trichloroethane	DUP	RPD	0	%	20
JE8503-1DUP*	120-82-1	1,2,4-Trichlorobenzene	DUP	RPD	0	%	20
JE8503-1DUP*	95-63-6	1,2,4-Trimethylbenzene	DUP	RPD	0	%	20
JE8503-1DUP*	108-67-8	1,3,5-Trimethylbenzene	DUP	RPD	0	%	20
JE8503-1DUP*	127-18-4	Tetrachloroethylene	DUP	RPD	4	%	20
JE8503-1DUP*	108-88-3	Toluene	DUP	RPD	0	%	20
JE8503-1DUP*	79-01-6	Trichloroethylene	DUP	RPD	0	%	20
JE8503-1DUP*	75-69-4	Trichlorofluoromethane	DUP	RPD	0	%	20
JE8503-1DUP*	75-01-4	Vinyl chloride	DUP	RPD	0	%	20
JE8503-1DUP*	108-05-4	Vinyl Acetate	DUP	RPD	0	%	20
JE8503-1DUP*		m,p-Xylene	DUP	RPD	5	%	20
JE8503-1DUP*	95-47-6	o-Xylene	DUP	RPD	0	%	20

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

* Sample used for QC is not from job JE8598

EPA TO-15 MDL Verification 2023-2024

METHODREF	LOGINNUM	DATE RECALC	INSTRUMENT_ID	PARM_ STORED	PARM_ SYN	MDL VALUE CURRENT	RDL	UNITS
TO-15	JD57260	3/13/2025	GCMS8W	120-82-1	1,2,4-Trichlorobenzene	0.121	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS3W	541-73-1	m-Dichlorobenzene	0.028	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS2W	127-18-4	Tetrachloroethylene	0.03	0.04	ppbv
TO-15	JD57260	3/13/2025	GCMS2W	79-01-6	Trichloroethylene	0.019	0.04	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	71-55-6	1,1,1-Trichloroethane	0.078	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	79-00-5	1,1,2-Trichloroethane	0.038	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	75-34-3	1,1-Dichloroethane	0.057	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	75-35-4	1,1-Dichloroethylene	0.059	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	96-18-4	1,2,3-Trichloropropane	0.05	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	95-63-6	1,2,4-Trimethylbenzene	0.087	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	106-93-4	1,2-Dibromoethane (EDB)	0.03	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	107-06-2	1,2-Dichloroethane	0.07	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	78-87-5	1,2-Dichloropropane	0.062	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	108-67-8	1,3,5-Trimethylbenzene	0.08	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	106-99-0	1,3-Butadiene	0.084	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	142-28-9	1,3-Dichloropropane	0.057	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	123-91-1	1,4-Dioxane	0.048	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	540-84-1	2,2,4-Trimethylpentane	0.04	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	565-59-3	2,3-Dimethylpentane	0.036	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	108-08-7	2,4-Dimethylpentane	0.048	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	95-49-8	2-Chlorotoluene	0.072	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	591-78-6	2-Hexanone	0.145	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	107-05-1	3-Chloropropene	0.083	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	622-96-8	4-Ethyltoluene	0.095	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	67-64-1	Acetone (2-Propanone)	0.145	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	75-05-8	Acetonitrile	0.171	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	107-02-8	Acrolein	0.0883	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	107-13-1	Acrylonitrile	0.091	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	71-43-2	Benzene	0.047	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	100-44-7	Benzyl Chloride	0.125	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	108-86-1	Bromobenzene	0.055	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	75-27-4	Bromodichloromethane	0.03	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	593-60-2	Bromoethene	0.061	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	75-25-2	Bromoform	0.071	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	74-83-9	Bromomethane	0.069	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	75-15-0	Carbon disulfide	0.113	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	56-23-5	Carbon tetrachloride	0.04	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	108-90-7	Chlorobenzene	0.074	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS2W	75-45-6	Chlorodifluoromethane	0.106	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	75-00-3	Chloroethane	0.068	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	67-66-3	Chloroform	0.037	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	74-87-3	Chloromethane	0.09	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	79-38-9	Chlorotrifluoroethene	0.059	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	156-59-2	cis-1,2-Dichloroethylene	0.03	0.2	ppbv
·15	JD79609	3/13/2025	GCMS8W	10061-01-5	cis-1,3-Dichloropropene	0.062	0.2	ppbv
·15	JD57260	3/13/2025	GCMS7W	110-82-7	Cyclohexane	0.045	0.2	ppbv
·15	JD79609	3/13/2025	GCMS8W	124-48-1	Dibromochloromethane	0.122	0.2	ppbv
·15	JD79609	3/13/2025	GCMS8W	74-95-3	Dibromomethane	0.053	0.2	ppbv
·15	JD57260	3/13/2025	GCMS8W	75-71-8	Dichlorodifluoromethane	0.104	0.2	ppbv
·15	JD57260	3/13/2025	GCMS7W	75-43-4	Dichlorofluoromethane	0.066	0.2	ppbv

METHODREF	LOGINNUM	DATE RECALC	INSTRUMENT_ID	PARM_ STORED	PARM_ SYN	MDL VALUE CURRENT	RDL	UNITS
TO-15	JD57260	3/13/2025	GCMS8W	108-20-3	Di-Isopropyl ether	0.082	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	64-17-5	Ethanol	0.394	0.5	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	141-78-6	Ethyl Acetate	0.104	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	140-88-5	Ethyl Acrylate	0.039	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	100-41-4	Ethylbenzene	0.061	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	76-13-1	Freon 113	0.031	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	76-14-2	Freon 114	0.05	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	306-83-2	Freon 123	0.035	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	354-23-4	Freon 123A	0.082	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	75-68-3	Freon 142B	0.07	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	75-37-6	Freon 152A	0.06	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	142-82-5	Heptane	0.091	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS2W	87-68-3	Hexachlorobutadiene	0.062	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	67-72-1	Hexachloroethane	0.082	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	110-54-3	Hexane	0.052	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	74-88-4	Iodomethane	0.037	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	67-63-0	Isopropyl Alcohol	0.141	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	98-82-8	Isopropylbenzene	0.064	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	M,P-XYLENE	m,p-Xylene	0.139	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	78-93-3	Methyl ethyl ketone	0.052	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	108-10-1	Methyl Isobutyl Ketone	0.073	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	1634-04-4	Methyl Tert Butyl Ether	0.08	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	75-09-2	Methylene chloride	0.133	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	80-62-6	Methylmethacrylate	0.07	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	91-20-3	Naphthalene	0.127	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	106-97-8	n-Butane	0.106	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS3W	104-51-8	n-Butylbenzene	0.106	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	111-84-2	Nonane	0.1	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	103-65-1	n-Propylbenzene	0.091	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	111-65-9	Octane	0.12	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	95-50-1	o-Dichlorobenzene	0.069	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	95-47-6	o-Xylene	0.077	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS3W	106-46-7	p-Dichlorobenzene	0.079	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	109-66-0	Pentane	0.06	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	99-87-6	p-Isopropyltoluene	0.08	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	115-07-1	Propylene	0.048	0.5	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	135-98-8	sec-Butylbenzene	0.081	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	100-42-5	Styrene	0.053	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	98-06-6	tert-Butylbenzene	0.083	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	75-65-0	Tertiary Butyl Alcohol	0.093	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS7W	109-99-9	Tetrahydrofuran	0.09	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	108-88-3	Toluene	0.057	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	156-60-5	trans-1,2-Dichloroethylene	0.069	0.2	ppbv
TO-15	JD79609	3/13/2025	GCMS8W	10061-02-6	trans-1,3-Dichloropropene	0.101	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	75-69-4	Trichlorofluoromethane	0.057	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS3W	HC AS EQUIV PENTA	TVHC As Equiv Pentane	0.136	10	ppbv
TO-15	JD57260	3/13/2025	GCMS3W	108-05-4	Vinyl Acetate	0.112	0.2	ppbv
TO-15	JD57260	3/13/2025	GCMS8W	75-01-4	Vinyl chloride	0.069	0.2	ppbv

SGS -Dayton : TO-15 SIM MDLs

METHODREF	LOGINNUM	DATE RECALC	INSTRUMENT_ID	PARM_ STORED	PARM_ SYN	Current MDL Value	RDL VALUE	UNITS
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	156-59-2	cis-1,2-Dichloroethylene	0.0023	0.02	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	91-20-3	Naphthalene	0.0040	0.02	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	71-55-6	1,1,1-Trichloroethane	0.0021	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	79-34-5	1,1,2,2-Tetrachloroethane	0.0010	0.005	ppbv
TO-15 (BY SIM)	JD79610	26-Feb-25	GCMS6W	79-00-5	1,1,2-Trichloroethane	0.0014	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	75-34-3	1,1-Dichloroethane	0.0006	0.002	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	75-35-4	1,1-Dichloroethylene	0.0010	0.002	ppbv
TO-15 (BY SIM)	JD79610	26-Feb-25	GCMS6W	106-93-4	1,2-Dibromoethane	0.0026	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	107-06-2	1,2-Dichloroethane	0.0014	0.005	ppbv
TO-15 (BY SIM)	JD79610	26-Feb-25	GCMS6W	78-87-5	1,2-Dichloropropane	0.0039	0.005	ppbv
TO-15 (BY SIM)	JD79610	26-Feb-25	GCMS6W	71-43-2	Benzene	0.0037	0.01	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	75-27-4	Bromodichloromethane	0.0010	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	56-23-5	Carbon tetrachloride	0.0016	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	67-66-3	Chloroform	0.0006	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	10061-01-5	cis-1,3-Dichloropropene	0.0017	0.005	ppbv
TO-15 (BY SIM)	JD79610	26-Feb-25	GCMS6W	124-48-1	Dibromochloromethane	0.0018	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	541-73-1	m-Dichlorobenzene	0.0015	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	95-50-1	o-Dichlorobenzene	0.0012	0.005	ppbv
TO-15 (BY SIM)	JD79610	26-Feb-25	GCMS6W	106-46-7	p-Dichlorobenzene	0.0034	0.005	ppbv
TO-15 (BY SIM)	JD79610	26-Feb-25	GCMS6W	127-18-4	Tetrachloroethylene	0.0012	0.005	ppbv
TO-15 (BY SIM)	JD79610	26-Feb-25	GCMS6W	156-60-5	trans-1,2-Dichloroethylene	0.0008	0.02	ppbv
TO-15 (BY SIM)	JD79610	26-Feb-25	GCMS6W	10061-02-6	trans-1,3-Dichloropropene	0.0040	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	79-01-6	Trichloroethylene	0.0021	0.005	ppbv
TO-15 (BY SIM)	JD57261	26-Feb-25	GCMS6W	75-01-4	Vinyl chloride	0.00056	0.002	ppbv
TO-15 (BY SIM)	JD76508	27-Feb-25	GCMS6W	108-90-7	Chlorobenzene	0.0024	0.005	ppbv

METHODREF	LOGINNUM	DATE RECALC	INSTRUMENT_ID	PARM_ STORED	PARM_ SYN	Current MDL Value	RDL VALUE	UNITS
TO-15 (BY SIM)	JD76508	27-Feb-25	GCMS6W	75-09-2	Methylene chloride	0.0141	0.1	ppbv
TO-15 (BY SIM)	JD76508	27-Feb-25	GCMS6W	108-88-3	Toluene	0.00089	0.002	ppbv

MS Volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W501-MB	7W14399.D	1	04/13/25	BK	n/a	n/a	V7W501

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

JE8598-1, JE8598-2, JE8598-3, JE8598-4, JE8598-7, JE8598-8, JE8598-9, JE8598-11

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.11	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.12	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.052	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W501-MB	7W14399.D	1	04/13/25	BK	n/a	n/a	V7W501

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

JE8598-1, JE8598-2, JE8598-3, JE8598-4, JE8598-7, JE8598-8, JE8598-9, JE8598-11

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.057	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

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

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

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-MB	7W11822.D	1	01/16/25	WC	n/a	n/a	V7W423

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

V7W423-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-MB	7W11822.D	1	01/16/25	WC	n/a	n/a	V7W423

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

V7W423-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	104%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.58	1.5	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W424-MB	7W11857.D	1	01/17/25	WC	n/a	n/a	V7W424

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

V7W424-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W424-MB	7W11857.D	1	01/17/25	WC	n/a	n/a	V7W424

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

V7W424-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	65-128%

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-MB	7W11934.D	1	01/20/25	BK	n/a	n/a	V7W426

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

V7W426-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-MB	7W11934.D	1	01/20/25	BK	n/a	n/a	V7W426

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

V7W426-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-MB	5W56377.D	1	01/24/25	WC	n/a	n/a	V5W2159

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

V5W2159-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-MB	5W56377.D	1	01/24/25	WC	n/a	n/a	V5W2159

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

V5W2159-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	117%	65-128%

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W431-MB	7W12106.D	1	01/25/25	BK	n/a	n/a	V7W431

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

V7W431-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W431-MB	7W12106.D	1	01/25/25	BK	n/a	n/a	V7W431

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

V7W431-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

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

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

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W459-MB	7W13014.D	1	02/26/25	WC	n/a	n/a	V7W459

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

V7W459-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W459-MB	7W13014.D	1	02/26/25	WC	n/a	n/a	V7W459

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

V7W459-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

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

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

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1468-MB	6W35369.D	1	04/04/25	BK	n/a	n/a	V6W1468

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

JE8598-5, JE8598-6, JE8598-10

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.0023	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.014	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	65-128%

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1442-MB	6W34753.D	1	01/30/25	BK	n/a	n/a	V6W1442

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

V6W1442-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.0023	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.0064	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	65-128%

Method Blank Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1452-MB	6W35018.D	1	02/25/25	TCH	n/a	n/a	V6W1452

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

V6W1452-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.0023	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.0064	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

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

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W501-BS	7W14396.D	1	04/13/25	BK	n/a	n/a	V7W501
V7W501-BSD	7W14397.D	1	04/13/25	BK	n/a	n/a	V7W501

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

JE8598-1, JE8598-2, JE8598-3, JE8598-4, JE8598-7, JE8598-8, JE8598-9, JE8598-11

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.7	84	8.6	83	1	70-130/30
106-99-0	1,3-Butadiene	10.8	9.7	90	9.8	91	1	70-130/30
71-43-2	Benzene	11	12.9	117	12.9	117	0	70-130/30
75-27-4	Bromodichloromethane	10.5	12.1	115	11.9	113	2	70-130/30
75-25-2	Bromoform	10.7	12.3	115	12.3	115	0	70-130/30
74-83-9	Bromomethane	10.5	12.7	121	12.6	120	1	70-130/30
100-44-7	Benzyl Chloride	10.4	10.6	102	10.5	101	1	70-130/30
75-15-0	Carbon disulfide	10.6	13.0	123	13.0	123	0	70-130/30
108-90-7	Chlorobenzene	10.8	11.2	104	11.2	104	0	70-130/30
75-00-3	Chloroethane	10.4	12.2	117	12.3	118	1	70-130/30
67-66-3	Chloroform	10.8	12.4	115	12.3	114	1	70-130/30
74-87-3	Chloromethane	10.4	8.9	86	8.8	85	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.7	108	11.8	109	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.1	113	12.0	112	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	12.2	114	12.1	113	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.2	111	12.0	109	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.2	103	11.1	102	1	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.5	110	11.4	109	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.6	119	12.4	117	2	70-130/30
124-48-1	Dibromochloromethane	10.5	11.1	106	10.9	104	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	12.0	114	11.8	112	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	12.3	115	12.3	115	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.1	113	11.9	111	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.0	106	10.8	104	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.9	102	10.8	101	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.3	104	11.4	105	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	11.1	109	11.0	108	1	70-130/30
100-41-4	Ethylbenzene	11	11.6	105	11.6	105	0	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.1	111	12.1	111	0	70-130/30
76-13-1	Freon 113	10.6	11.9	112	11.7	110	2	70-130/30
87-68-3	Hexachlorobutadiene	10.8	14.5	134* [a]	14.4	133* [a]	1	70-130/30
591-78-6	2-Hexanone	10.6	9.4	89	9.2	87	2	70-130/30
75-09-2	Methylene chloride	10.5	12.0	114	11.9	113	1	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.5	116	12.4	115	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.7	99	10.6	98	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.8	109	11.8	109	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W501-BS	7W14396.D	1	04/13/25	BK	n/a	n/a	V7W501
V7W501-BSD	7W14397.D	1	04/13/25	BK	n/a	n/a	V7W501

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

JE8598-1, JE8598-2, JE8598-3, JE8598-4, JE8598-7, JE8598-8, JE8598-9, JE8598-11

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	11.8	108	11.5	106	3	70-130/30
100-42-5	Styrene	11	12.3	112	12.3	112	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.1	112	11.9	110	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.8	117	12.7	117	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	12.3	115	12.1	113	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.2	121	13.1	120	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.4	113	12.3	112	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.2	112	12.1	111	1	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.6	106	11.3	104	3	70-130/30
108-88-3	Toluene	10.6	11.4	108	11.3	107	1	70-130/30
79-01-6	Trichloroethylene	10.5	11.9	113	11.6	110	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	12.2	115	12.1	114	1	70-130/30
75-01-4	Vinyl chloride	10.3	12.2	118	12.2	118	0	70-130/30
108-05-4	Vinyl Acetate	10.4	11.5	111	11.6	112	1	70-130/30
	m,p-Xylene	21.4	23.4	109	23.4	109	0	70-130/30
95-47-6	o-Xylene	10.9	11.9	109	11.9	109	0	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	112%	112%	65-128%

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-BS	7W11819.D	1	01/16/25	WC	n/a	n/a	V7W423
V7W423-BSD	7W11820.D	1	01/16/25	WC	n/a	n/a	V7W423

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

V7W423-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.5	83	8.4	82	1	70-130/30
106-99-0	1,3-Butadiene	10.8	10.4	96	10.3	95	1	70-130/30
71-43-2	Benzene	11	11.4	104	11.4	104	0	70-130/30
75-27-4	Bromodichloromethane	10.5	11.4	109	11.5	110	1	70-130/30
75-25-2	Bromoform	10.7	10.5	98	10.4	97	1	70-130/30
74-83-9	Bromomethane	10.5	11.8	112	11.6	110	2	70-130/30
100-44-7	Benzyl Chloride	10.4	8.9	86	8.9	86	0	70-130/30
75-15-0	Carbon disulfide	10.6	13.3	125	13.3	125	0	70-130/30
108-90-7	Chlorobenzene	10.8	11.2	104	11.3	105	1	70-130/30
75-00-3	Chloroethane	10.4	11.8	113	11.6	112	2	70-130/30
67-66-3	Chloroform	10.8	11.8	109	11.8	109	0	70-130/30
74-87-3	Chloromethane	10.4	10.2	98	10.3	99	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	10.6	98	10.6	98	0	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.2	105	9.8	92	13	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.3	106	11.0	103	3	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.4	104	11.5	105	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.7	107	11.7	107	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.0	105	11.1	106	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.2	115	12.7	120	4	70-130/30
124-48-1	Dibromochloromethane	10.5	10.4	99	10.4	99	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.5	110	9.6	91	18	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.1	104	11.1	104	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.2	105	11.2	105	0	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.8	104	10.8	104	0	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.1	104	11.2	105	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.4	105	11.4	105	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.2	100	10.1	99	1	70-130/30
100-41-4	Ethylbenzene	11	11.0	100	11.1	101	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.6	106	11.8	108	2	70-130/30
76-13-1	Freon 113	10.6	11.4	108	11.4	108	0	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.7	127	13.1	121	4	70-130/30
591-78-6	2-Hexanone	10.6	9.4	89	9.4	89	0	70-130/30
75-09-2	Methylene chloride	10.5	11.2	107	11.1	106	1	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.5	106	11.6	107	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.5	97	10.6	98	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	10.7	99	9.5	88	12	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-BS	7W11819.D	1	01/16/25	WC	n/a	n/a	V7W423
V7W423-BSD	7W11820.D	1	01/16/25	WC	n/a	n/a	V7W423

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

V7W423-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	12.9	118	12.4	114	4	70-130/30
100-42-5	Styrene	11	11.6	105	11.7	106	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.8	100	10.9	101	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.6	116	12.5	115	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.5	107	11.5	107	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.1	120	12.9	118	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.2	111	12.1	110	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.6	106	11.6	106	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	10.6	97	10.7	98	1	70-130/30
108-88-3	Toluene	10.6	10.6	100	10.7	101	1	70-130/30
79-01-6	Trichloroethylene	10.5	11.0	105	11.0	105	0	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.8	111	11.8	111	0	70-130/30
75-01-4	Vinyl chloride	10.3	12.2	118	11.9	116	2	70-130/30
108-05-4	Vinyl Acetate	10.4	9.8	94	9.4	90	4	70-130/30
	m,p-Xylene	21.4	22.2	104	22.2	104	0	70-130/30
95-47-6	o-Xylene	10.9	11.3	104	11.3	104	0	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	107%	107%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W424-BS	7W11854.D	1	01/17/25	WC	n/a	n/a	V7W424
V7W424-BSD	7W11855.D	1	01/17/25	WC	n/a	n/a	V7W424

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

V7W424-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.6	83	8.3	81	4	70-130/30
106-99-0	1,3-Butadiene	10.8	11.3	105	10.4	96	8	70-130/30
71-43-2	Benzene	11	11.6	105	11.4	104	2	70-130/30
75-27-4	Bromodichloromethane	10.5	11.6	110	11.5	110	1	70-130/30
75-25-2	Bromoform	10.7	10.8	101	10.3	96	5	70-130/30
74-83-9	Bromomethane	10.5	11.9	113	11.8	112	1	70-130/30
100-44-7	Benzyl Chloride	10.4	8.9	86	8.6	83	3	70-130/30
75-15-0	Carbon disulfide	10.6	13.3	125	13.1	124	2	70-130/30
108-90-7	Chlorobenzene	10.8	11.6	107	11.2	104	4	70-130/30
75-00-3	Chloroethane	10.4	11.9	114	11.6	112	3	70-130/30
67-66-3	Chloroform	10.8	11.9	110	11.7	108	2	70-130/30
74-87-3	Chloromethane	10.4	11.3	109	11.1	107	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	10.7	99	10.6	98	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.4	107	11.2	105	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.3	106	11.1	104	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.7	106	11.5	105	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.9	109	11.7	107	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.4	109	11.1	106	3	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.9	122	12.7	120	2	70-130/30
124-48-1	Dibromochloromethane	10.5	10.6	101	10.3	98	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	12.1	115	11.1	106	9	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.2	105	11.1	104	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.4	107	11.2	105	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.0	106	10.7	103	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.5	107	11.1	104	4	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.7	107	11.3	104	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.4	102	10.2	100	2	70-130/30
100-41-4	Ethylbenzene	11	11.4	104	10.9	99	4	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.8	108	11.4	105	3	70-130/30
76-13-1	Freon 113	10.6	11.7	110	11.5	108	2	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.2	122	13.3	123	1	70-130/30
591-78-6	2-Hexanone	10.6	9.6	91	9.4	89	2	70-130/30
75-09-2	Methylene chloride	10.5	11.4	109	11.2	107	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.5	106	11.3	105	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.8	100	10.6	98	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	10.8	100	10.7	99	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W424-BS	7W11854.D	1	01/17/25	WC	n/a	n/a	V7W424
V7W424-BSD	7W11855.D	1	01/17/25	WC	n/a	n/a	V7W424

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

V7W424-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	12.9	118	12.7	117	2	70-130/30
100-42-5	Styrene	11	12.0	109	11.6	105	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.9	101	10.8	100	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.9	118	12.5	115	3	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.7	109	11.5	107	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.2	121	13.0	119	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.5	114	12.1	110	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.8	108	11.4	105	3	70-130/30
127-18-4	Tetrachloroethylene	10.9	10.9	100	10.7	98	2	70-130/30
108-88-3	Toluene	10.6	10.9	103	10.7	101	2	70-130/30
79-01-6	Trichloroethylene	10.5	11.3	108	11.0	105	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	12.0	113	11.9	112	1	70-130/30
75-01-4	Vinyl chloride	10.3	12.8	124	12.8	124	0	70-130/30
108-05-4	Vinyl Acetate	10.4	10.0	96	10	96	0	70-130/30
	m,p-Xylene	21.4	22.8	107	22.2	104	3	70-130/30
95-47-6	o-Xylene	10.9	11.6	106	11.3	104	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	107%	106%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-BS	7W11931.D	1	01/20/25	BK	n/a	n/a	V7W426
V7W426-BSD	7W11932.D	1	01/20/25	BK	n/a	n/a	V7W426

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

V7W426-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	8.7	84	10	70-130/30
106-99-0	1,3-Butadiene	10.8	11.7	108	11.5	106	2	70-130/30
71-43-2	Benzene	11	11.9	108	11.7	106	2	70-130/30
75-27-4	Bromodichloromethane	10.5	12.0	114	11.7	111	3	70-130/30
75-25-2	Bromoform	10.7	11.3	106	11.0	103	3	70-130/30
74-83-9	Bromomethane	10.5	12.7	121	12.4	118	2	70-130/30
100-44-7	Benzyl Chloride	10.4	9.2	88	9.1	88	1	70-130/30
75-15-0	Carbon disulfide	10.6	13.9	131* [a]	13.6	128	2	70-130/30
108-90-7	Chlorobenzene	10.8	11.6	107	11.4	106	2	70-130/30
75-00-3	Chloroethane	10.4	12.9	124	12.6	121	2	70-130/30
67-66-3	Chloroform	10.8	12.3	114	12.0	111	2	70-130/30
74-87-3	Chloromethane	10.4	11.8	113	11.3	109	4	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.1	103	10.9	101	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	10.2	95	11.6	108	13	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.5	107	11.4	107	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.9	108	11.7	106	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.3	113	12.0	110	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.4	109	11.4	109	0	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	13.2	125	12.9	122	2	70-130/30
124-48-1	Dibromochloromethane	10.5	10.9	104	10.7	102	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.1	106	11.3	108	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.6	108	11.3	106	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.6	108	11.4	107	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.3	109	11.0	106	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.6	108	11.3	106	3	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.8	108	11.6	106	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.5	103	10.4	102	1	70-130/30
100-41-4	Ethylbenzene	11	11.4	104	11.2	102	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.0	110	11.9	109	1	70-130/30
76-13-1	Freon 113	10.6	12.1	114	11.6	109	4	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.7	127	13.3	123	3	70-130/30
591-78-6	2-Hexanone	10.6	9.8	92	9.6	91	2	70-130/30
75-09-2	Methylene chloride	10.5	11.6	110	11.4	109	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	10.9	101	11.8	109	8	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.0	102	10.9	101	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	9.6	89	11.0	102	14	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-BS	7W11931.D	1	01/20/25	BK	n/a	n/a	V7W426
V7W426-BSD	7W11932.D	1	01/20/25	BK	n/a	n/a	V7W426

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

V7W426-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	13.1	120	12.7	117	3	70-130/30
100-42-5	Styrene	11	12.1	110	11.8	107	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.3	105	11.1	103	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	13.1	120	12.8	117	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.9	111	11.8	110	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.3	122	12.9	118	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.7	115	12.4	113	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.0	110	11.8	108	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.2	103	10.9	100	3	70-130/30
108-88-3	Toluene	10.6	11.0	104	10.9	103	1	70-130/30
79-01-6	Trichloroethylene	10.5	11.3	108	11.3	108	0	70-130/30
75-69-4	Trichlorofluoromethane	10.6	13.1	124	12.1	114	8	70-130/30
75-01-4	Vinyl chloride	10.3	13.6	132* [a]	13.0	126	5	70-130/30
108-05-4	Vinyl Acetate	10.4	9.2	88	10.3	99	11	70-130/30
	m,p-Xylene	21.4	23.0	107	22.6	106	2	70-130/30
95-47-6	o-Xylene	10.9	11.8	108	11.5	106	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	108%	108%	65-128%

(a) Outside control limits. This compound is not reported in associated samples.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-BS	5W56372.D	1	01/24/25	WC	n/a	n/a	V5W2159
V5W2159-BSD	5W56373.D	1	01/24/25	WC	n/a	n/a	V5W2159

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

V5W2159-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	9.2	89	4	70-130/30
106-99-0	1,3-Butadiene	10.8	11.8	109	11.1	103	6	70-130/30
71-43-2	Benzene	11	10.5	95	10.6	96	1	70-130/30
75-27-4	Bromodichloromethane	10.5	9.7	92	9.8	93	1	70-130/30
75-25-2	Bromoform	10.7	12.5	117	12.7	119	2	70-130/30
74-83-9	Bromomethane	10.5	8.9	85	8.6	82	3	70-130/30
100-44-7	Benzyl Chloride	10.4	12.0	115	12.2	117	2	70-130/30
75-15-0	Carbon disulfide	10.6	10.6	100	10.5	99	1	70-130/30
108-90-7	Chlorobenzene	10.8	11.3	105	11.5	106	2	70-130/30
75-00-3	Chloroethane	10.4	8.6	83	8.2	79	5	70-130/30
67-66-3	Chloroform	10.8	10.2	94	10.3	95	1	70-130/30
74-87-3	Chloromethane	10.4	12.3	118	11.9	114	3	70-130/30
56-23-5	Carbon tetrachloride	10.8	10.7	99	10.8	100	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.7	109	11.8	110	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.6	99	10.6	99	0	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.8	116	13.0	118	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.5	106	11.6	106	1	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.9	104	11.0	105	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.7	101	10.2	96	5	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	11.8	112	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.8	103	10.7	102	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	10.7	100	10.8	101	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.2	105	11.3	106	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.5	111	11.7	113	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.5	107	11.8	110	3	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.0	110	12.1	111	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.3	101	10.5	103	2	70-130/30
100-41-4	Ethylbenzene	11	13.0	118	13.3	121	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	13.3	122	13.5	124	1	70-130/30
76-13-1	Freon 113	10.6	10.6	100	10.5	99	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	11.0	102	11.4	106	4	70-130/30
591-78-6	2-Hexanone	10.6	16.1	152* [a]	16.2	153* [a]	1	70-130/30
75-09-2	Methylene chloride	10.5	9.6	91	9.7	92	1	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.8	109	11.9	110	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	13.7	127	13.9	129	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.1	103	11.2	104	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-BS	5W56372.D	1	01/24/25	WC	n/a	n/a	V5W2159
V5W2159-BSD	5W56373.D	1	01/24/25	WC	n/a	n/a	V5W2159

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

V5W2159-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	13.3	122	13.6	125	2	70-130/30
100-42-5	Styrene	11	14.2	129	14.4	131* [a]	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.4	96	10.4	96	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.7	107	11.9	109	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	10.5	98	10.7	100	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	11.9	109	12.2	112	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	13.0	118	13.1	119	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	13.1	120	13.3	122	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.2	103	11.2	103	0	70-130/30
108-88-3	Toluene	10.6	10.8	102	11.1	105	3	70-130/30
79-01-6	Trichloroethylene	10.5	10	95	10.1	96	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.3	97	9.9	93	4	70-130/30
75-01-4	Vinyl chloride	10.3	9.6	93	9.2	89	4	70-130/30
108-05-4	Vinyl Acetate	10.4	12.8	123	12.9	124	1	70-130/30
	m,p-Xylene	21.4	25.4	119	25.9	121	2	70-130/30
95-47-6	o-Xylene	10.9	12.9	118	13.1	120	2	70-130/30

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

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W431-BS	7W12103.D	1	01/25/25	BK	n/a	n/a	V7W431
V7W431-BSD	7W12104.D	1	01/25/25	BK	n/a	n/a	V7W431

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

V7W431-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.3	81	8.0	78	4	70-130/30
106-99-0	1,3-Butadiene	10.8	10.3	95	9.9	92	4	70-130/30
71-43-2	Benzene	11	11.7	106	11.3	103	3	70-130/30
75-27-4	Bromodichloromethane	10.5	12.2	116	11.7	111	4	70-130/30
75-25-2	Bromoform	10.7	12.3	115	11.6	108	6	70-130/30
74-83-9	Bromomethane	10.5	11.7	111	11.2	107	4	70-130/30
100-44-7	Benzyl Chloride	10.4	9.7	93	9.1	88	6	70-130/30
75-15-0	Carbon disulfide	10.6	13.2	125	12.1	114	9	70-130/30
108-90-7	Chlorobenzene	10.8	12.0	111	11.5	106	4	70-130/30
75-00-3	Chloroethane	10.4	11.4	110	10.8	104	5	70-130/30
67-66-3	Chloroform	10.8	12.3	114	11.9	110	3	70-130/30
74-87-3	Chloromethane	10.4	9.9	95	9.6	92	3	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.9	110	11.5	106	3	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.2	105	10.8	101	4	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.2	105	10.5	98	6	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.2	111	11.7	106	4	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.1	111	11.6	106	4	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.9	104	10.4	99	5	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.3	116	11.8	111	4	70-130/30
124-48-1	Dibromochloromethane	10.5	11.6	110	11.1	106	4	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.3	108	10.2	97	10	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.6	108	11.1	104	4	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.7	109	11.3	106	3	70-130/30
541-73-1	m-Dichlorobenzene	10.4	12.4	119	11.8	113	5	70-130/30
95-50-1	o-Dichlorobenzene	10.7	12.7	119	12.2	114	4	70-130/30
106-46-7	p-Dichlorobenzene	10.9	13.1	120	12.4	114	5	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.7	105	10.4	102	3	70-130/30
100-41-4	Ethylbenzene	11	11.7	106	11.2	102	4	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.4	114	11.7	107	6	70-130/30
76-13-1	Freon 113	10.6	12.4	117	11.8	111	5	70-130/30
87-68-3	Hexachlorobutadiene	10.8	14.2	131* [a]	13.6	126	4	70-130/30
591-78-6	2-Hexanone	10.6	9.2	87	8.8	83	4	70-130/30
75-09-2	Methylene chloride	10.5	11.2	107	10.3	98	8	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.6	107	11.2	104	4	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.5	97	10.0	93	5	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	10.9	101	10.6	98	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W431-BS	7W12103.D	1	01/25/25	BK	n/a	n/a	V7W431
V7W431-BSD	7W12104.D	1	01/25/25	BK	n/a	n/a	V7W431

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

V7W431-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	13.4	123	13.3	122	1	70-130/30
100-42-5	Styrene	11	12.5	114	11.9	108	5	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.8	109	11.3	105	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	13.2	121	12.4	114	6	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.8	110	11.4	107	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	14.2	130	13.8	127	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	13.0	118	12.4	113	5	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.4	114	11.8	108	5	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.1	111	12.1	111	0	70-130/30
108-88-3	Toluene	10.6	11.2	106	10.7	101	5	70-130/30
79-01-6	Trichloroethylene	10.5	11.6	110	11.2	107	4	70-130/30
75-69-4	Trichlorofluoromethane	10.6	12.3	116	11.7	110	5	70-130/30
75-01-4	Vinyl chloride	10.3	11.6	113	11.2	109	4	70-130/30
108-05-4	Vinyl Acetate	10.4	9.8	94	9.6	92	2	70-130/30
	m,p-Xylene	21.4	23.7	111	22.6	106	5	70-130/30
95-47-6	o-Xylene	10.9	12.1	111	11.5	106	5	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	108%	108%	65-128%

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W459-BS	7W13011.D	1	02/26/25	WC	n/a	n/a	V7W459
V7W459-BSD	7W13012.D	1	02/26/25	WC	n/a	n/a	V7W459

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

V7W459-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.0	87	9.0	87	0	70-130/30
106-99-0	1,3-Butadiene	10.8	11.2	104	11.3	105	1	70-130/30
71-43-2	Benzene	11	11.1	101	11.2	102	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.1	106	10.9	104	2	70-130/30
75-25-2	Bromoform	10.7	13.5	126	13.3	124	1	70-130/30
74-83-9	Bromomethane	10.5	11.2	107	11.5	110	3	70-130/30
100-44-7	Benzyl Chloride	10.4	8.6	83	8.7	84	1	70-130/30
75-15-0	Carbon disulfide	10.6	11.3	107	11.4	108	1	70-130/30
108-90-7	Chlorobenzene	10.8	12.3	114	12.2	113	1	70-130/30
75-00-3	Chloroethane	10.4	11.5	111	11.8	113	3	70-130/30
67-66-3	Chloroform	10.8	10.9	101	10.9	101	0	70-130/30
74-87-3	Chloromethane	10.4	10.7	103	10.8	104	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	10.8	100	10.8	100	0	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.2	105	11.3	106	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.8	101	10.9	102	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.2	111	12.2	111	0	70-130/30
107-06-2	1,2-Dichloroethane	10.9	10.3	94	10.3	94	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.6	110	11.6	110	0	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.5	99	10.7	101	2	70-130/30
124-48-1	Dibromochloromethane	10.5	11.8	112	11.6	110	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.9	104	11.1	106	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.3	106	11.4	107	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	10.9	102	10.9	102	0	70-130/30
541-73-1	m-Dichlorobenzene	10.4	12.2	117	12.2	117	0	70-130/30
95-50-1	o-Dichlorobenzene	10.7	12.4	116	12.3	115	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.8	117	12.9	118	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	9.8	96	9.8	96	0	70-130/30
100-41-4	Ethylbenzene	11	11.2	102	11.2	102	0	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.9	109	12.1	111	2	70-130/30
76-13-1	Freon 113	10.6	11.8	111	11.9	112	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.0	120	12.9	119	1	70-130/30
591-78-6	2-Hexanone	10.6	10.0	94	10.2	96	2	70-130/30
75-09-2	Methylene chloride	10.5	10.4	99	10.5	100	1	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.2	104	11.3	105	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.4	106	11.4	106	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	9.9	92	10.1	94	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W459-BS	7W13011.D	1	02/26/25	WC	n/a	n/a	V7W459
V7W459-BSD	7W13012.D	1	02/26/25	WC	n/a	n/a	V7W459

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

V7W459-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	10.9	11.8	108	12.1	111	3	70-130/30
100-42-5	Styrene	11	12.5	114	12.4	113	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.4	96	10.4	96	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.4	114	12.4	114	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.7	109	11.6	108	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	12.6	116	12.7	117	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.0	109	11.9	108	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.7	107	11.7	107	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.3	113	12.3	113	0	70-130/30
108-88-3	Toluene	10.6	11.0	104	11.0	104	0	70-130/30
79-01-6	Trichloroethylene	10.5	11.3	108	11.3	108	0	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.3	97	10.3	97	0	70-130/30
75-01-4	Vinyl chloride	10.3	11.9	116	11.9	116	0	70-130/30
108-05-4	Vinyl Acetate	10.4	9.9	95	10.0	96	1	70-130/30
	m,p-Xylene	21.4	22.2	104	22.2	104	0	70-130/30
95-47-6	o-Xylene	10.9	11.3	104	11.3	104	0	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	102%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1468-BS	6W35365.D	1	04/04/25	BK	n/a	n/a	V6W1468
V6W1468-BSD	6W35367.D	1	04/04/25	BK	n/a	n/a	V6W1468

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

JE8598-5, JE8598-6, JE8598-10

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.11	0.12	109	0.12	109	0	70-130/30
56-23-5	Carbon tetrachloride	0.108	0.13	120	0.12	111	8	70-130/30
75-35-4	1,1-Dichloroethylene	0.107	0.11	103	0.10	93	10	70-130/30
156-59-2	cis-1,2-Dichloroethylene	0.107	0.11	103	0.11	103	0	70-130/30
75-09-2	Methylene chloride	0.105	0.14	133* [a]	0.13	124	7	70-130/30
71-55-6	1,1,1-Trichloroethane	0.108	0.11	102	0.10	93	10	70-130/30
127-18-4	Tetrachloroethylene	0.109	0.14	128	0.13	119	7	70-130/30
79-01-6	Trichloroethylene	0.105	0.11	105	0.11	105	0	70-130/30
75-01-4	Vinyl chloride	0.103	0.10	97	0.090	87	11	70-130/30

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

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1442-BS	6W34749.D	1	01/30/25	BK	n/a	n/a	V6W1442
V6W1442-BSD	6W34750.D	1	01/30/25	BK	n/a	n/a	V6W1442

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

V6W1442-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.11	0.10	91	0.11	100	10	70-130/30
56-23-5	Carbon tetrachloride	0.108	0.11	102	0.12	111	9	70-130/30
75-35-4	1,1-Dichloroethylene	0.107	0.12	112	0.13	121	8	70-130/30
156-59-2	cis-1,2-Dichloroethylene	0.107	0.11	103	0.11	103	0	70-130/30
75-09-2	Methylene chloride	0.105	0.12	114	0.13	124	8	70-130/30
71-55-6	1,1,1-Trichloroethane	0.108	0.11	102	0.11	102	0	70-130/30
127-18-4	Tetrachloroethylene	0.109	0.11	101	0.11	101	0	70-130/30
79-01-6	Trichloroethylene	0.105	0.095	90	0.097	92	2	70-130/30
75-01-4	Vinyl chloride	0.103	0.11	107	0.12	117	9	70-130/30

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1452-BS	6W35015.D	1	02/25/25	TCH	n/a	n/a	V6W1452
V6W1452-BSD	6W35016.D	1	02/25/25	TCH	n/a	n/a	V6W1452

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

V6W1452-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.11	0.12	109	0.11	100	9	70-130/30
56-23-5	Carbon tetrachloride	0.108	0.15	139* [a]	0.14	130	7	70-130/30
75-35-4	1,1-Dichloroethylene	0.107	0.13	121	0.094	88	32* [b]	70-130/30
156-59-2	cis-1,2-Dichloroethylene	0.107	0.11	103	0.097	91	13	70-130/30
75-09-2	Methylene chloride	0.105	0.15	143* [a]	0.12	114	22	70-130/30
71-55-6	1,1,1-Trichloroethane	0.108	0.14	130	0.13	120	7	70-130/30
127-18-4	Tetrachloroethylene	0.109	0.12	110	0.12	110	0	70-130/30
79-01-6	Trichloroethylene	0.105	0.11	105	0.11	105	0	70-130/30
75-01-4	Vinyl chloride	0.103	0.12	117	0.087	84	32* [b]	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	102%	65-128%

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

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE8503-1DUP	7W14401.D	1	04/13/25	BK	n/a	n/a	V7W501
JE8503-1	7W14400.D	1	04/13/25	BK	n/a	n/a	V7W501

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

JE8598-1, JE8598-2, JE8598-3, JE8598-4, JE8598-7, JE8598-8, JE8598-9, JE8598-11

CAS No.	Compound	JE8503-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	4.1		4.2		2	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.29		0.28		4	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.54		0.51		6	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.42		0.41		2	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
100-41-4	Ethylbenzene	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25
76-13-1	Freon 113	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
75-09-2	Methylene chloride	1.1		1.1		0	25
78-93-3	Methyl ethyl ketone	0.49		0.48		2	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE8503-1DUP	7W14401.D	1	04/13/25	BK	n/a	n/a	V7W501
JE8503-1	7W14400.D	1	04/13/25	BK	n/a	n/a	V7W501

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

JE8598-1, JE8598-2, JE8598-3, JE8598-4, JE8598-7, JE8598-8, JE8598-9, JE8598-11

CAS No.	Compound	JE8503-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
91-20-3	Naphthalene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.24		0.23		4	25
108-88-3	Toluene	0.44		0.44		0	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.23		0.23		0	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	0.51		0.51		0	25
	m,p-Xylene	0.21		0.20		5	25
95-47-6	o-Xylene	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	JE8503-1	Limits
460-00-4	4-Bromofluorobenzene	111%	110%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE8460-2DUP	6W35381.D	1.52	04/05/25	BK	n/a	n/a	V6W1468
JE8460-2	6W35380.D	1.52	04/05/25	BK	n/a	n/a	V6W1468

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

JE8598-5, JE8598-6, JE8598-10

CAS No.	Compound	JE8460-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	17
56-23-5	Carbon tetrachloride	0.092		0.092		0	10
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
75-09-2	Methylene chloride	0.21		0.18		15	26
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
127-18-4	Tetrachloroethylene	ND		ND		nc	17
79-01-6	Trichloroethylene	0.0023	J	0.0045	J	65* [a]	13
75-01-4	Vinyl chloride	ND		ND		nc	20

CAS No.	Surrogate Recoveries	DUP	JE8460-2	Limits
460-00-4	4-Bromofluorobenzene	101%	100%	65-128%

(a) Outside control limits.

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-SCC	7W11830.D	1	01/16/25	WC	n/a	n/a	V7W423

The QC reported here (Summa M129) applies to the following samples: **Method:** TO-15

Batch CP12971 cleaned 01/11/25: JE8598-2(A1577)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W423-SCC	7W11830.D	1	01/16/25	WC	n/a	n/a	V7W423

The QC reported here (Summa M129) applies to the following samples: **Method:** TO-15

Batch CP12971 cleaned 01/11/25: JE8598-2(A1577)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W424-SCC	7W11885.D	1	01/18/25	WC	n/a	n/a	V7W424

The QC reported here (Summa A1471) applies to the following samples: **Method:** TO-15

Batch CP12975 cleaned 01/15/25: JE8598-9(A1590)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W424-SCC	7W11885.D	1	01/18/25	WC	n/a	n/a	V7W424

The QC reported here (Summa A1471) applies to the following samples: **Method:** TO-15

Batch CP12975 cleaned 01/15/25: JE8598-9(A1590)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	89%	65-128%

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-SCC	7W11949.D	1	01/20/25	BK	n/a	n/a	V7W426

The QC reported here (Summa M167) applies to the following samples: **Method:** TO-15

Batch CP12963 cleaned 01/04/25: JE8598-1(M122), JE8598-3(A1467), JE8598-4(M400)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide [a]	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W426-SCC	7W11949.D	1	01/20/25	BK	n/a	n/a	V7W426

The QC reported here (Summa M167) applies to the following samples: **Method:** TO-15

Batch CP12963 cleaned 01/04/25: JE8598-1(M122), JE8598-3(A1467), JE8598-4(M400)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride [a]	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	65-128%

(a) This compound in blank spike is outside in house QC limits bias high.

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-SCC	5W56382.D	1	01/24/25	WC	n/a	n/a	V5W2159

The QC reported here (Summa A243) applies to the following samples: **Method:** TO-15

Batch CP12974 cleaned 01/15/25: JE8598-11(A1657)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.11	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.12	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.052	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2159-SCC	5W56382.D	1	01/24/25	WC	n/a	n/a	V5W2159

The QC reported here (Summa A243) applies to the following samples: **Method:** TO-15

Batch CP12974 cleaned 01/15/25: JE8598-11(A1657)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.057	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	116%	65-128%

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W431-SCC	7W12133.D	1	01/26/25	BK	n/a	n/a	V7W431

The QC reported here (Summa A1735) applies to the following samples: **Method:** TO-15

Batch CP12978 cleaned 01/17/25: JE8598-8(A1597)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.11	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.12	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.052	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W431-SCC	7W12133.D	1	01/26/25	BK	n/a	n/a	V7W431

The QC reported here (Summa A1735) applies to the following samples: **Method:** TO-15

Batch CP12978 cleaned 01/17/25: JE8598-8(A1597)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.057	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

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

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W459-SCC	7W13016.D	1	02/26/25	WC	n/a	n/a	V7W459

The QC reported here (Summa A1591) applies to the following samples: **Method:** TO-15

Batch CP13012 cleaned 02/22/25: JE8598-7(A1591)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W459-SCC	7W13016.D	1	02/26/25	WC	n/a	n/a	V7W459

The QC reported here (Summa A1591) applies to the following samples: **Method:** TO-15

Batch CP13012 cleaned 02/22/25: JE8598-7(A1591)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
91-20-3	Naphthalene	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	65-128%

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1442-SCC	6W34754.D	1	01/30/25	BK	n/a	n/a	V6W1442

The QC reported here (Summa A1291) applies to the following samples: **Method:** TO-15 (BY SIM)

Batch CP12974 cleaned 01/15/25: JE8598-10(A1291)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.00090	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.0064	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.00090	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.00095	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

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

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1452-SCC	6W35024.D	1	02/26/25	TCH	n/a	n/a	V6W1452

The QC reported here (Summa A1711) applies to the following samples: **Method:** TO-15 (BY SIM)

Batch CP13012 cleaned 02/22/25: JE8598-5(A1711)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.0023	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.0064	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

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

Summa Cleaning Certification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6W1452-SCC	6W35025.D	1	02/26/25	TCH	n/a	n/a	V6W1452

The QC reported here (Summa A1579) applies to the following samples: **Method:** TO-15 (BY SIM)

Batch CP13012 cleaned 02/22/25: JE8598-6(A1579)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
71-43-2	Benzene	ND	0.010	0.0037	ppbv		ND	0.032	ug/m3
56-23-5	Carbon tetrachloride	ND	0.0050	0.0016	ppbv		ND	0.031	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.0010	ppbv		ND	0.0079	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.020	0.0023	ppbv		ND	0.079	ug/m3
75-09-2	Methylene chloride	ND	0.10	0.0064	ppbv		ND	0.35	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
127-18-4	Tetrachloroethylene	ND	0.0050	0.0012	ppbv		ND	0.034	ug/m3
79-01-6	Trichloroethylene	ND	0.0050	0.0021	ppbv		ND	0.027	ug/m3
75-01-4	Vinyl chloride	ND	0.0020	0.00056	ppbv		ND	0.0051	ug/m3

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

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2144-BFB
Lab File ID: 5W55993.D
Instrument ID: GCMS5W
Injection Date: 01/08/25
Injection Time: 23:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	98517	19.3		Pass
75	30.0 - 66.0% of mass 95	249792	48.9		Pass
95	Base peak, 100% relative abundance	510763	100.0		Pass
96	5.0 - 9.0% of mass 95	33464	6.55		Pass
173	Less than 2.0% of mass 174	5620	1.10	(1.14) [a]	Pass
174	50.0 - 120.0% of mass 95	494933	96.9		Pass
175	4.0 - 9.01% of mass 174	36869	7.22	(7.45) [a]	Pass
176	93.0 - 101.0% of mass 174	482155	94.4	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	31496	6.17	(6.53) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2144-IC2144	5W55994.D	01/09/25	00:36	00:40	Initial cal 0.04
V5W2144-IC2144	5W55995.D	01/09/25	01:16	01:20	Initial cal 0.1
V5W2144-IC2144	5W55996.D	01/09/25	01:59	02:03	Initial cal 0.2
V5W2144-IC2144	5W56001.D	01/09/25	05:39	05:43	Initial cal 5
V5W2144-ICC2144	5W56002.D	01/09/25	06:20	06:24	Initial cal 10
V5W2144-IC2144	5W56003.D	01/09/25	07:03	07:07	Initial cal 20
V5W2144-IC2144	5W56004.D	01/09/25	07:49	07:53	Initial cal 40
V5W2144-IC2144	5W56005.D	01/09/25	08:36	08:40	Initial cal 50
V5W2144-IC2144	5W56013.D	01/09/25	15:02	15:06	Initial cal 0.5
V5W2144-ICV2144	5W56014.D	01/09/25	15:42	15:46	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2159-BFB
Lab File ID: 5W56370.D
Instrument ID: GCMS5W
Injection Date: 01/24/25
Injection Time: 08:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	115232	21.2		Pass
75	30.0 - 66.0% of mass 95	240939	44.3		Pass
95	Base peak, 100% relative abundance	544256	100.0		Pass
96	5.0 - 9.0% of mass 95	35917	6.60		Pass
173	Less than 2.0% of mass 174	6519	1.20	(1.21) [a]	Pass
174	50.0 - 120.0% of mass 95	538304	98.9		Pass
175	4.0 - 9.01% of mass 174	40824	7.50	(7.58) [a]	Pass
176	93.0 - 101.0% of mass 174	526741	96.8	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	35160	6.46	(6.68) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2159-CC2144	5W56371.D	01/24/25	09:35	00:41	Continuing cal 10
V5W2159-BS	5W56372.D	01/24/25	10:39	01:45	Blank Spike
V5W2159-BSD	5W56373.D	01/24/25	11:19	02:25	Blank Spike Duplicate
V5W2159-MB	5W56377.D	01/24/25	15:16	06:22	Method Blank
V5W2159-SCC	5W56378.D	01/24/25	16:13	07:19	Summa Cleaning Certification
V5W2159-SCC	5W56379.D	01/24/25	17:00	08:06	Summa Cleaning Certification
V5W2159-SCC	5W56381.D	01/24/25	18:32	09:38	Summa Cleaning Certification
V5W2159-SCC	5W56382.D	01/24/25	19:18	10:24	Summa Cleaning Certification
V5W2159-SCC	5W56385.D	01/24/25	21:36	12:42	Summa Cleaning Certification
V5W2159-SCC	5W56388.D	01/24/25	23:55	15:01	Summa Cleaning Certification
V5W2159-SCC	5W56389.D	01/25/25	00:41	15:47	Summa Cleaning Certification
V5W2159-SCC	5W56390.D	01/25/25	01:27	16:33	Summa Cleaning Certification
V5W2159-SCC	5W56391.D	01/25/25	02:08	17:14	Summa Cleaning Certification
V5W2159-SCC	5W56392.D	01/25/25	02:49	17:55	Summa Cleaning Certification
V5W2159-SCC	5W56393.D	01/25/25	03:30	18:36	Summa Cleaning Certification
V5W2159-SCC	5W56394.D	01/25/25	04:10	19:16	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1441-BFB
Lab File ID: 6W34719.D
Instrument ID: GCMS6W
Injection Date: 01/29/25
Injection Time: 19:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5095	23.9		Pass
75	30.0 - 66.0% of mass 95	10009	47.0		Pass
95	Base peak, 100% relative abundance	21275	100.0		Pass
96	5.0 - 9.0% of mass 95	1414	6.65		Pass
173	Less than 2.0% of mass 174	61	0.29	(0.38) [a]	Pass
174	50.0 - 120.0% of mass 95	16246	76.4		Pass
175	4.0 - 9.0% of mass 174	1170	5.50	(7.20) [a]	Pass
176	93.0 - 101.0% of mass 174	15489	72.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	993	4.67	(6.41) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V6W1441-IC1441	6W34720.D	01/29/25	20:02	00:38	Initial cal 0.02
V6W1441-IC1441	6W34721.D	01/29/25	20:39	01:15	Initial cal 0.05
V6W1441-ICC1441	6W34722.D	01/29/25	21:16	01:52	Initial cal 0.10
V6W1441-IC1441	6W34723.D	01/29/25	21:55	02:31	Initial cal 0.20
V6W1441-IC1441	6W34724.D	01/29/25	22:40	03:16	Initial cal 0.50
V6W1441-IC1441	6W34730.D	01/30/25	02:25	07:01	Initial cal 1.0
V6W1441-IC1441	6W34732.D	01/30/25	03:50	08:26	Initial cal 5.0
V6W1441-IC1441	6W34736.D	01/30/25	06:31	11:07	Initial cal 0.002
V6W1441-IC1441	6W34737.D	01/30/25	07:08	11:44	Initial cal 0.005
V6W1441-IC1441	6W34738.D	01/30/25	07:46	12:22	Initial cal 0.01
V6W1441-ICV1441	6W34746.D	01/30/25	14:42	19:18	Initial cal verification 0.1

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1442-BFB
Lab File ID: 6W34747.D
Instrument ID: GCMS6W
Injection Date: 01/30/25
Injection Time: 16:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4726	23.9		Pass
75	30.0 - 66.0% of mass 95	9122	46.2		Pass
95	Base peak, 100% relative abundance	19736	100.0		Pass
96	5.0 - 9.0% of mass 95	1245	6.31		Pass
173	Less than 2.0% of mass 174	50	0.25	(0.33) [a]	Pass
174	50.0 - 120.0% of mass 95	15339	77.7		Pass
175	4.0 - 9.0% of mass 174	1108	5.61	(7.22) [a]	Pass
176	93.0 - 101.0% of mass 174	14701	74.5	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	932	4.72	(6.34) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V6W1442-CC1441	6W34748.D	01/30/25	16:50	00:37	Continuing cal 0.1
V6W1442-BS	6W34749.D	01/30/25	18:32	02:19	Blank Spike
V6W1442-BSD	6W34750.D	01/30/25	19:09	02:56	Blank Spike Duplicate
V6W1442-MB	6W34753.D	01/30/25	21:08	04:55	Method Blank
V6W1442-SCC	6W34754.D	01/30/25	21:51	05:38	Summa Cleaning Certification
V6W1442-SCC	6W34755.D	01/30/25	22:34	06:21	Summa Cleaning Certification
V6W1442-SCC	6W34756.D	01/30/25	23:16	07:03	Summa Cleaning Certification
V6W1442-SCC	6W34757.D	01/30/25	23:59	07:46	Summa Cleaning Certification
V6W1442-SCC	6W34758.D	01/31/25	00:41	08:28	Summa Cleaning Certification
V6W1442-SCC	6W34759.D	01/31/25	01:23	09:10	Summa Cleaning Certification
ZZZZZZ	6W34760.D	01/31/25	02:06	09:53	(unrelated sample)
ZZZZZZ	6W34761.D	01/31/25	02:49	10:36	(unrelated sample)
ZZZZZZ	6W34762.D	01/31/25	03:32	11:19	(unrelated sample)
JE4441-4	6W34763.D	01/31/25	04:14	12:01	(used for QC only; not part of job JE8598)
JE4441-4DUP	6W34764.D	01/31/25	04:57	12:44	Duplicate
ZZZZZZ	6W34765.D	01/31/25	05:40	13:27	(unrelated sample)
JE4458-2	6W34766.D	01/31/25	06:22	14:09	(used for QC only; not part of job JE8598)
JE4458-2DUP	6W34767.D	01/31/25	07:05	14:52	Duplicate
ZZZZZZ	6W34768.D	01/31/25	07:49	15:36	(unrelated sample)
ZZZZZZ	6W34769.D	01/31/25	08:32	16:19	(unrelated sample)
ZZZZZZ	6W34770.D	01/31/25	09:15	17:02	(unrelated sample)
ZZZZZZ	6W34771.D	01/31/25	10:41	18:28	(unrelated sample)
ZZZZZZ	6W34772.D	01/31/25	11:46	19:33	(unrelated sample)
JE4678-3	6W34773.D	01/31/25	12:29	20:16	(used for QC only; not part of job JE8598)

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V6W1442-BFB	**Injection Date:**	01/30/25
Lab File ID:	6W34747.D	**Injection Time:**	16:13
Instrument ID:	GCMS6W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JE4678-3DUP	6W34774.D	01/31/25	13:11	20:58	Duplicate
ZZZZZZ	6W34775.D	01/31/25	13:54	21:41	(unrelated sample)
V6W1442-SCC	6W34776.D	01/31/25	14:36	22:23	Summa Cleaning Certification
V6W1442-SCC	6W34777.D	01/31/25	15:18	23:05	Summa Cleaning Certification
V6W1442-SCC	6W34778.D	01/31/25	16:01	23:48	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1452-BFB
Lab File ID: 6W35012.D
Instrument ID: GCMS6W
Injection Date: 02/25/25
Injection Time: 11:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4574	23.6		Pass
75	30.0 - 66.0% of mass 95	9010	46.5		Pass
95	Base peak, 100% relative abundance	19357	100.0		Pass
96	5.0 - 9.0% of mass 95	1305	6.74		Pass
173	Less than 2.0% of mass 174	56	0.29	(0.37) [a]	Pass
174	50.0 - 120.0% of mass 95	15083	77.9		Pass
175	4.0 - 9.01% of mass 174	1125	5.81	(7.46) [a]	Pass
176	93.0 - 101.0% of mass 174	14352	74.1	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	918	4.74	(6.40) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V6W1452-CC1441	6W35013.D	02/25/25	12:35	00:37	Continuing cal 0.1
V6W1452-BS	6W35015.D	02/25/25	14:56	02:58	Blank Spike
V6W1452-BSD	6W35016.D	02/25/25	16:24	04:26	Blank Spike Duplicate
V6W1452-MB	6W35018.D	02/25/25	18:11	06:13	Method Blank
V6W1452-SCC	6W35019.D	02/25/25	19:20	07:22	Summa Cleaning Certification
V6W1452-SCC	6W35020.D	02/25/25	20:03	08:05	Summa Cleaning Certification
V6W1452-SCC	6W35021.D	02/25/25	20:46	08:48	Summa Cleaning Certification
V6W1452-SCC	6W35023.D	02/25/25	22:12	10:14	Summa Cleaning Certification
V6W1452-SCC	6W35024.D	02/26/25	09:34	21:36	Summa Cleaning Certification
V6W1452-SCC	6W35025.D	02/26/25	10:16	22:18	Summa Cleaning Certification
V6W1452-SCC	6W35026.D	02/26/25	10:59	23:01	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1468-BFB
Lab File ID: 6W35362.D
Instrument ID: GCMS6W
Injection Date: 04/04/25
Injection Time: 15:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	3025	23.6		Pass
75	30.0 - 66.0% of mass 95	6157	48.0		Pass
95	Base peak, 100% relative abundance	12815	100.0		Pass
96	5.0 - 9.0% of mass 95	840	6.55		Pass
173	Less than 2.0% of mass 174	37	0.29	(0.35) [a]	Pass
174	50.0 - 120.0% of mass 95	10670	83.3		Pass
175	4.0 - 9.0% of mass 174	730	5.70	(6.84) [a]	Pass
176	93.0 - 101.0% of mass 174	9957	77.7	(93.3) [a]	Pass
177	5.0 - 9.0% of mass 176	614	4.79	(6.17) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V6W1468-CC1441	6W35364.D	04/04/25	17:04	01:16	Continuing cal 0.1
V6W1468-BS	6W35365.D	04/04/25	17:41	01:53	Blank Spike
V6W1468-BSD	6W35367.D	04/04/25	19:01	03:13	Blank Spike Duplicate
V6W1468-MB	6W35369.D	04/04/25	20:26	04:38	Method Blank
ZZZZZZ	6W35370.D	04/04/25	21:14	05:26	(unrelated sample)
ZZZZZZ	6W35371.D	04/04/25	22:00	06:12	(unrelated sample)
ZZZZZZ	6W35372.D	04/04/25	22:43	06:55	(unrelated sample)
ZZZZZZ	6W35373.D	04/04/25	23:25	07:37	(unrelated sample)
ZZZZZZ	6W35374.D	04/05/25	00:08	08:20	(unrelated sample)
ZZZZZZ	6W35375.D	04/05/25	00:50	09:02	(unrelated sample)
ZZZZZZ	6W35376.D	04/05/25	01:33	09:45	(unrelated sample)
ZZZZZZ	6W35377.D	04/05/25	02:15	10:27	(unrelated sample)
ZZZZZZ	6W35378.D	04/05/25	02:58	11:10	(unrelated sample)
ZZZZZZ	6W35379.D	04/05/25	03:45	11:57	(unrelated sample)
JE8460-2	6W35380.D	04/05/25	04:32	12:44	(used for QC only; not part of job JE8598)
JE8460-2DUP	6W35381.D	04/05/25	05:18	13:30	Duplicate
ZZZZZZ	6W35382.D	04/05/25	06:05	14:17	(unrelated sample)
ZZZZZZ	6W35383.D	04/05/25	06:51	15:03	(unrelated sample)
ZZZZZZ	6W35384.D	04/05/25	07:39	15:51	(unrelated sample)
JE8598-5	6W35385.D	04/05/25	08:22	16:34	785-IA-1-0327
JE8598-6	6W35386.D	04/05/25	09:05	17:17	785-IA-2-0327
JE8598-10	6W35387.D	04/05/25	09:47	17:59	786-IA-1-0327
V6W1468-ECC1441	6W35388.D	04/05/25	10:25	18:37	Ending cal 0.1

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W405-BFB
Lab File ID: 7W11232.D
Instrument ID: GCMS7W
Injection Date: 12/28/24
Injection Time: 08:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	32515	22.0		Pass
75	30.0 - 66.0% of mass 95	74333	50.3		Pass
95	Base peak, 100% relative abundance	147925	100.0		Pass
96	5.0 - 9.0% of mass 95	9647	6.52		Pass
173	Less than 2.0% of mass 174	1064	0.72	(0.95) [a]	Pass
174	50.0 - 120.0% of mass 95	111515	75.4		Pass
175	4.0 - 9.01% of mass 174	7970	5.39	(7.15) [a]	Pass
176	93.0 - 101.0% of mass 174	106229	71.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7045	4.76	(6.63) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W405-IC405	7W11233.D	12/28/24	09:16	00:36	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24	09:53	01:13	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24	10:32	01:52	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24	11:51	03:11	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24	12:34	03:54	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24	13:47	05:07	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24	14:25	05:45	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24	15:08	06:28	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24	15:52	07:12	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24	18:36	09:56	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W423-BFB
Lab File ID: 7W11817.D
Instrument ID: GCMS7W
Injection Date: 01/16/25
Injection Time: 10:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	33917	22.4		Pass
75	30.0 - 66.0% of mass 95	80197	53.0		Pass
95	Base peak, 100% relative abundance	151424	100.0		Pass
96	5.0 - 9.0% of mass 95	10159	6.71		Pass
173	Less than 2.0% of mass 174	931	0.61	(0.83) [a]	Pass
174	50.0 - 120.0% of mass 95	111621	73.7		Pass
175	4.0 - 9.01% of mass 174	8175	5.40	(7.32) [a]	Pass
176	93.0 - 101.0% of mass 174	107029	70.7	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	7387	4.88	(6.90) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W423-CC405	7W11818.D	01/16/25	11:34	00:37	Continuing cal 10
V7W423-BS	7W11819.D	01/16/25	12:16	01:19	Blank Spike
V7W423-BSD	7W11820.D	01/16/25	12:54	01:57	Blank Spike Duplicate
V7W423-MB	7W11822.D	01/16/25	14:19	03:22	Method Blank
JE3528-1	7W11824.D	01/16/25	16:06	05:09	(used for QC only; not part of job JE8598)
JE3528-1DUP	7W11825.D	01/16/25	16:46	05:49	Duplicate
V7W423-SCC	7W11830.D	01/16/25	20:03	09:06	Summa Cleaning Certification
V7W423-SCC	7W11831.D	01/16/25	20:47	09:50	Summa Cleaning Certification
V7W423-SCC	7W11832.D	01/16/25	21:31	10:34	Summa Cleaning Certification
V7W423-SCC	7W11833.D	01/16/25	22:16	11:19	Summa Cleaning Certification
V7W423-SCC	7W11834.D	01/16/25	22:59	12:02	Summa Cleaning Certification
V7W423-SCC	7W11835.D	01/16/25	23:45	12:48	Summa Cleaning Certification
V7W423-SCC	7W11837.D	01/17/25	01:13	14:16	Summa Cleaning Certification
V7W423-SCC	7W11838.D	01/17/25	01:57	15:00	Summa Cleaning Certification
V7W423-SCC	7W11839.D	01/17/25	02:42	15:45	Summa Cleaning Certification
V7W423-SCC	7W11840.D	01/17/25	03:26	16:29	Summa Cleaning Certification
V7W423-SCC	7W11841.D	01/17/25	04:10	17:13	Summa Cleaning Certification
V7W423-SCC	7W11843.D	01/17/25	05:39	18:42	Summa Cleaning Certification
ZZZZZZ	7W11844.D	01/17/25	06:24	19:27	(unrelated sample)
ZZZZZZ	7W11845.D	01/17/25	07:08	20:11	(unrelated sample)
ZZZZZZ	7W11846.D	01/17/25	07:53	20:56	(unrelated sample)
ZZZZZZ	7W11847.D	01/17/25	08:38	21:41	(unrelated sample)
ZZZZZZ	7W11848.D	01/17/25	09:23	22:26	(unrelated sample)
ZZZZZZ	7W11849.D	01/17/25	10:02	23:05	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V7W423-BFB	**Injection Date:**	01/16/25
Lab File ID:	7W11817.D	**Injection Time:**	10:57
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W11850.D	01/17/25	10:42	23:45	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W424-BFB
Lab File ID: 7W11851.D
Instrument ID: GCMS7W
Injection Date: 01/17/25
Injection Time: 11:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	32645	22.2		Pass
75	30.0 - 66.0% of mass 95	78712	53.6		Pass
95	Base peak, 100% relative abundance	146923	100.0		Pass
96	5.0 - 9.0% of mass 95	9367	6.38		Pass
173	Less than 2.0% of mass 174	1141	0.78	(1.03) [a]	Pass
174	50.0 - 120.0% of mass 95	110456	75.2		Pass
175	4.0 - 9.01% of mass 174	7620	5.19	(6.90) [a]	Pass
176	93.0 - 101.0% of mass 174	106501	72.5	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6832	4.65	(6.41) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W424-CC405	7W11852.D	01/17/25	12:35	00:39	Continuing cal 10
V7W424-BS	7W11854.D	01/17/25	13:58	02:02	Blank Spike
V7W424-BSD	7W11855.D	01/17/25	14:36	02:40	Blank Spike Duplicate
V7W424-MB	7W11857.D	01/17/25	16:04	04:08	Method Blank
JE3905-2	7W11858.D	01/17/25	16:47	04:51	(used for QC only; not part of job JE8598)
JE3905-2DUP	7W11859.D	01/17/25	17:27	05:31	Duplicate
ZZZZZZ	7W11860.D	01/17/25	18:06	06:10	(unrelated sample)
V7W424-SCC	7W11861.D	01/17/25	18:44	06:48	Summa Cleaning Certification
V7W424-SCC	7W11862.D	01/17/25	19:23	07:27	Summa Cleaning Certification
V7W424-SCC	7W11863.D	01/17/25	20:01	08:05	Summa Cleaning Certification
V7W424-SCC	7W11864.D	01/17/25	20:39	08:43	Summa Cleaning Certification
ZZZZZZ	7W11865.D	01/17/25	21:19	09:23	(unrelated sample)
ZZZZZZ	7W11867.D	01/17/25	22:35	10:39	(unrelated sample)
ZZZZZZ	7W11869.D	01/17/25	23:55	11:59	(unrelated sample)
ZZZZZZ	7W11871.D	01/18/25	01:11	13:15	(unrelated sample)
ZZZZZZ	7W11873.D	01/18/25	02:28	14:32	(unrelated sample)
ZZZZZZ	7W11874.D	01/18/25	03:06	15:10	(unrelated sample)
ZZZZZZ	7W11875.D	01/18/25	03:45	15:49	(unrelated sample)
ZZZZZZ	7W11876.D	01/18/25	04:25	16:29	(unrelated sample)
ZZZZZZ	7W11877.D	01/18/25	05:04	17:08	(unrelated sample)
ZZZZZZ	7W11878.D	01/18/25	05:43	17:47	(unrelated sample)
ZZZZZZ	7W11879.D	01/18/25	06:22	18:26	(unrelated sample)
ZZZZZZ	7W11880.D	01/18/25	07:07	19:11	(unrelated sample)
ZZZZZZ	7W11881.D	01/18/25	07:52	19:56	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V7W424-BFB	**Injection Date:**	01/17/25
Lab File ID:	7W11851.D	**Injection Time:**	11:56
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W11882.D	01/18/25	08:37	20:41	(unrelated sample)
ZZZZZZ	7W11883.D	01/18/25	09:21	21:25	(unrelated sample)
V7W424-SCC	7W11885.D	01/18/25	10:49	22:53	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W426-BFB
Lab File ID: 7W11928.D
Instrument ID: GCMS7W
Injection Date: 01/19/25
Injection Time: 22:14

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	27304	22.2		Pass
75	30.0 - 66.0% of mass 95	65576	53.4		Pass
95	Base peak, 100% relative abundance	122776	100.0		Pass
96	5.0 - 9.0% of mass 95	8083	6.58		Pass
173	Less than 2.0% of mass 174	831	0.68	(0.92) [a]	Pass
174	50.0 - 120.0% of mass 95	90771	73.9		Pass
175	4.0 - 9.01% of mass 174	6917	5.63	(7.62) [a]	Pass
176	93.0 - 101.0% of mass 174	88184	71.8	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	5501	4.48	(6.24) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W426-CC405	7W11930.D	01/19/25	23:30	01:16	Continuing cal 10
V7W426-BS	7W11931.D	01/20/25	00:08	01:54	Blank Spike
V7W426-BSD	7W11932.D	01/20/25	00:46	02:32	Blank Spike Duplicate
V7W426-MB	7W11934.D	01/20/25	02:09	03:55	Method Blank
ZZZZZZ	7W11935.D	01/20/25	02:48	04:34	(unrelated sample)
ZZZZZZ	7W11937.D	01/20/25	04:06	05:52	(unrelated sample)
ZZZZZZ	7W11939.D	01/20/25	05:22	07:08	(unrelated sample)
JE4060-1	7W11945.D	01/20/25	09:17	11:03	(used for QC only; not part of job JE8598)
JE4060-1DUP	7W11946.D	01/20/25	09:55	11:41	Duplicate
V7W426-SCC	7W11947.D	01/20/25	10:40	12:26	Summa Cleaning Certification
V7W426-SCC	7W11948.D	01/20/25	11:24	13:10	Summa Cleaning Certification
V7W426-SCC	7W11949.D	01/20/25	12:08	13:54	Summa Cleaning Certification
V7W426-SCC	7W11950.D	01/20/25	12:52	14:38	Summa Cleaning Certification
V7W426-SCC	7W11951.D	01/20/25	13:35	15:21	Summa Cleaning Certification
V7W426-SCC	7W11952.D	01/20/25	14:19	16:05	Summa Cleaning Certification
V7W426-SCC	7W11953.D	01/20/25	15:03	16:49	Summa Cleaning Certification
V7W426-SCC	7W11954.D	01/20/25	15:47	17:33	Summa Cleaning Certification
V7W426-SCC	7W11955.D	01/20/25	16:30	18:16	Summa Cleaning Certification
ZZZZZZ	7W11956.D	01/20/25	17:12	18:58	(unrelated sample)
ZZZZZZ	7W11958.D	01/20/25	18:30	20:16	(unrelated sample)
ZZZZZZ	7W11960.D	01/20/25	19:47	21:33	(unrelated sample)
V7W426-SCC	7W11961.D	01/20/25	20:25	22:11	Summa Cleaning Certification
V7W426-SCC	7W11962.D	01/20/25	21:04	22:50	Summa Cleaning Certification
V7W426-SCC	7W11963.D	01/20/25	21:42	23:28	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W431-BFB
Lab File ID: 7W12101.D
Instrument ID: GCMS7W
Injection Date: 01/25/25
Injection Time: 16:51

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	29899	21.5		Pass
75	30.0 - 66.0% of mass 95	72949	52.5		Pass
95	Base peak, 100% relative abundance	138944	100.0		Pass
96	5.0 - 9.0% of mass 95	9044	6.51		Pass
173	Less than 2.0% of mass 174	888	0.64	(0.84) [a]	Pass
174	50.0 - 120.0% of mass 95	105128	75.7		Pass
175	4.0 - 9.01% of mass 174	7892	5.68	(7.51) [a]	Pass
176	93.0 - 101.0% of mass 174	102816	74.0	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	7094	5.11	(6.90) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W431-CC405	7W12102.D	01/25/25	18:18	01:27	Continuing cal 10
V7W431-BS	7W12103.D	01/25/25	18:57	02:06	Blank Spike
V7W431-BSD	7W12104.D	01/25/25	19:35	02:44	Blank Spike Duplicate
V7W431-MB	7W12106.D	01/25/25	20:59	04:08	Method Blank
JE4422-6	7W12107.D	01/25/25	21:39	04:48	(used for QC only; not part of job JE8598)
JE4422-6DUP	7W12108.D	01/25/25	22:18	05:27	Duplicate
ZZZZZZ	7W12109.D	01/25/25	22:58	06:07	(unrelated sample)
ZZZZZZ	7W12110.D	01/25/25	23:37	06:46	(unrelated sample)
ZZZZZZ	7W12111.D	01/26/25	00:16	07:25	(unrelated sample)
ZZZZZZ	7W12112.D	01/26/25	00:55	08:04	(unrelated sample)
ZZZZZZ	7W12113.D	01/26/25	01:34	08:43	(unrelated sample)
ZZZZZZ	7W12114.D	01/26/25	02:13	09:22	(unrelated sample)
ZZZZZZ	7W12115.D	01/26/25	02:52	10:01	(unrelated sample)
ZZZZZZ	7W12116.D	01/26/25	03:30	10:39	(unrelated sample)
ZZZZZZ	7W12117.D	01/26/25	04:16	11:25	(unrelated sample)
ZZZZZZ	7W12118.D	01/26/25	05:00	12:09	(unrelated sample)
ZZZZZZ	7W12119.D	01/26/25	05:45	12:54	(unrelated sample)
ZZZZZZ	7W12120.D	01/26/25	06:30	13:39	(unrelated sample)
ZZZZZZ	7W12121.D	01/26/25	07:15	14:24	(unrelated sample)
ZZZZZZ	7W12122.D	01/26/25	07:54	15:03	(unrelated sample)
ZZZZZZ	7W12123.D	01/26/25	08:34	15:43	(unrelated sample)
ZZZZZZ	7W12124.D	01/26/25	09:13	16:22	(unrelated sample)
ZZZZZZ	7W12125.D	01/26/25	09:52	17:01	(unrelated sample)
ZZZZZZ	7W12126.D	01/26/25	10:31	17:40	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V7W431-BFB	**Injection Date:**	01/25/25
Lab File ID:	7W12101.D	**Injection Time:**	16:51
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W12127.D	01/26/25	11:09	18:18	(unrelated sample)
ZZZZZZ	7W12128.D	01/26/25	11:54	19:03	(unrelated sample)
ZZZZZZ	7W12129.D	01/26/25	12:43	19:52	(unrelated sample)
V7W431-SCC	7W12130.D	01/26/25	13:27	20:36	Summa Cleaning Certification
V7W431-SCC	7W12131.D	01/26/25	14:11	21:20	Summa Cleaning Certification
V7W431-SCC	7W12133.D	01/26/25	15:38	22:47	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W459-BFB
Lab File ID: 7W13009.D
Instrument ID: GCMS7W
Injection Date: 02/26/25
Injection Time: 09:08

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	25069	19.8		Pass
75	30.0 - 66.0% of mass 95	58075	45.8		Pass
95	Base peak, 100% relative abundance	126771	100.0		Pass
96	5.0 - 9.0% of mass 95	8208	6.47		Pass
173	Less than 2.0% of mass 174	302	0.24	(0.28) [a]	Pass
174	50.0 - 120.0% of mass 95	106789	84.2		Pass
175	4.0 - 9.01% of mass 174	7707	6.08	(7.22) [a]	Pass
176	93.0 - 101.0% of mass 174	100195	79.0	(93.8) [a]	Pass
177	5.0 - 9.0% of mass 176	6392	5.04	(6.38) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W459-CC405	7W13010.D	02/26/25	09:46	00:38	Continuing cal 10
V7W459-BS	7W13011.D	02/26/25	10:24	01:16	Blank Spike
V7W459-BSD	7W13012.D	02/26/25	11:01	01:53	Blank Spike Duplicate
V7W459-MB	7W13014.D	02/26/25	12:26	03:18	Method Blank
V7W459-SCC	7W13016.D	02/26/25	13:52	04:44	Summa Cleaning Certification
JE5908-6	7W13017.D	02/26/25	14:31	05:23	(used for QC only; not part of job JE8598)
JE5908-6DUP	7W13018.D	02/26/25	15:09	06:01	Duplicate
JE5794-1	7W13019.D	02/26/25	15:47	06:39	(used for QC only; not part of job JE8598)
JE5794-1DUP	7W13020.D	02/26/25	16:24	07:16	Duplicate
ZZZZZZ	7W13021.D	02/26/25	17:02	07:54	(unrelated sample)
ZZZZZZ	7W13022.D	02/26/25	17:39	08:31	(unrelated sample)
ZZZZZZ	7W13023.D	02/26/25	18:15	09:07	(unrelated sample)
ZZZZZZ	7W13024.D	02/26/25	18:53	09:45	(unrelated sample)
ZZZZZZ	7W13026.D	02/26/25	20:14	11:06	(unrelated sample)
ZZZZZZ	7W13027.D	02/26/25	20:59	11:51	(unrelated sample)
ZZZZZZ	7W13028.D	02/26/25	21:44	12:36	(unrelated sample)
ZZZZZZ	7W13029.D	02/26/25	22:30	13:22	(unrelated sample)
ZZZZZZ	7W13030.D	02/26/25	23:16	14:08	(unrelated sample)
ZZZZZZ	7W13031.D	02/27/25	00:00	14:52	(unrelated sample)
ZZZZZZ	7W13032.D	02/27/25	00:44	15:36	(unrelated sample)
ZZZZZZ	7W13033.D	02/27/25	01:30	16:22	(unrelated sample)
ZZZZZZ	7W13034.D	02/27/25	02:13	17:05	(unrelated sample)
ZZZZZZ	7W13035.D	02/27/25	02:52	17:44	(unrelated sample)
ZZZZZZ	7W13036.D	02/27/25	03:31	18:23	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V7W459-BFB	**Injection Date:**	02/26/25
Lab File ID:	7W13009.D	**Injection Time:**	09:08
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W13037.D	02/27/25	04:10	19:02	(unrelated sample)
ZZZZZZ	7W13038.D	02/27/25	04:48	19:40	(unrelated sample)
ZZZZZZ	7W13039.D	02/27/25	05:26	20:18	(unrelated sample)
V7W459-ECC405	7W13041.D	02/27/25	06:41	21:33	Ending cal 10

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W501-BFB
Lab File ID: 7W14393.D
Instrument ID: GCMS7W
Injection Date: 04/13/25
Injection Time: 13:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	21011	15.8		Pass
75	30.0 - 66.0% of mass 95	66693	50.2		Pass
95	Base peak, 100% relative abundance	132907	100.0		Pass
96	5.0 - 9.0% of mass 95	8647	6.51		Pass
173	Less than 2.0% of mass 174	362	0.27	(0.36) [a]	Pass
174	50.0 - 120.0% of mass 95	100053	75.3		Pass
175	4.0 - 9.01% of mass 174	7702	5.80	(7.70) [a]	Pass
176	93.0 - 101.0% of mass 174	96101	72.3	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	6176	4.65	(6.43) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W501-CC405	7W14395.D	04/13/25	15:12	01:15	Continuing cal 10
V7W501-BS	7W14396.D	04/13/25	15:50	01:53	Blank Spike
V7W501-BSD	7W14397.D	04/13/25	16:28	02:31	Blank Spike Duplicate
V7W501-MB	7W14399.D	04/13/25	17:52	03:55	Method Blank
JE8503-1	7W14400.D	04/13/25	18:37	04:40	(used for QC only; not part of job JE8598)
JE8503-1DUP	7W14401.D	04/13/25	19:24	05:27	Duplicate
ZZZZZZ	7W14402.D	04/13/25	20:11	06:14	(unrelated sample)
ZZZZZZ	7W14403.D	04/13/25	20:55	06:58	(unrelated sample)
ZZZZZZ	7W14404.D	04/13/25	21:41	07:44	(unrelated sample)
ZZZZZZ	7W14405.D	04/13/25	22:26	08:29	(unrelated sample)
ZZZZZZ	7W14406.D	04/13/25	23:11	09:14	(unrelated sample)
ZZZZZZ	7W14407.D	04/13/25	23:55	09:58	(unrelated sample)
ZZZZZZ	7W14408.D	04/14/25	00:35	10:38	(unrelated sample)
ZZZZZZ	7W14409.D	04/14/25	01:15	11:18	(unrelated sample)
JE8598-3	7W14410.D	04/14/25	02:00	12:03	785VMP-4-0327
JE8598-1	7W14411.D	04/14/25	02:45	12:48	785VMP-2-0325
JE8598-2	7W14412.D	04/14/25	03:29	13:32	785VMP-2-0325-A
JE8598-4	7W14414.D	04/14/25	04:58	15:01	785VMP-5-0327
JE8598-7	7W14415.D	04/14/25	05:43	15:46	786VMP-1-0327
JE8598-8	7W14416.D	04/14/25	06:28	16:31	786VMP-2-0327
JE8598-9	7W14417.D	04/14/25	07:12	17:15	786VMP-3-0327
JE8598-11	7W14418.D	04/14/25	07:56	17:59	785-OA-1-0327
ZZZZZZ	7W14419.D	04/14/25	08:41	18:44	(unrelated sample)
ZZZZZZ	7W14420.D	04/14/25	09:26	19:29	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample:	V7W501-BFB	**Injection Date:**	04/13/25
Lab File ID:	7W14393.D	**Injection Time:**	13:57
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W14421.D	04/14/25	10:05	20:08	(unrelated sample)
V7W501-ECC405	7W14422.D	04/14/25	10:43	20:46	Ending cal 10

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V5W2159-CC2144	**Injection Date:**	01/24/25
Lab File ID:	5W56371.D	**Injection Time:**	09:35
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	392037	7.65	1751629	9.82	865857	15.33
Upper Limit [a]	548852	7.98	2452281	10.15	1212200	15.66
Lower Limit [b]	235222	7.32	1050977	9.49	519514	15.00

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2159-BS	382085	7.65	1714808	9.82	849727	15.33
V5W2159-BSD	384955	7.65	1729848	9.82	855953	15.33
V5W2159-MB	369040	7.64	1670762	9.81	722257	15.33
V5W2159-SCC	355268	7.64	1611922	9.81	694109	15.33
V5W2159-SCC	354696	7.64	1598770	9.81	692571	15.33
V5W2159-SCC	343486	7.64	1552729	9.82	670616	15.33
V5W2159-SCC	369023	7.64	1652460	9.81	694505	15.33
V5W2159-SCC	377929	7.64	1672644	9.81	704611	15.33
V5W2159-SCC	375282	7.64	1675511	9.81	705427	15.33
V5W2159-SCC	376882	7.64	1673072	9.81	705885	15.33
V5W2159-SCC	379553	7.64	1694438	9.81	720727	15.33
V5W2159-SCC	335101	7.64	1502450	9.81	648522	15.33
V5W2159-SCC	326753	7.64	1469163	9.81	637755	15.33
V5W2159-SCC	318208	7.64	1433311	9.81	619160	15.33
V5W2159-SCC	315849	7.64	1422547	9.81	616414	15.33

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

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V6W1442-CC1441	**Injection Date:**	01/30/25
Lab File ID:	6W34748.D	**Injection Time:**	16:50
Instrument ID:	GCMS6W	**Method:**	TO-15 (BY SIM)

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	26953	3.28	146046	4.63	71660	10.41
Upper Limit [a]	37734	3.61	204464	4.96	100324	10.74
Lower Limit [b]	16172	2.95	87628	4.30	42996	10.08

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V6W1442-BS	26430	3.28	146745	4.63	71267	10.41
V6W1442-BSD	25869	3.28	143671	4.63	69653	10.41
V6W1442-MB	30057	3.28	163932	4.63	71523	10.41
V6W1442-SCC	30676	3.28	169356	4.63	73651	10.41
V6W1442-SCC	31890	3.28	169224	4.63	73883	10.41
V6W1442-SCC	31258	3.28	169063	4.63	74129	10.41
V6W1442-SCC	31003	3.28	169985	4.63	73981	10.41
V6W1442-SCC	31196	3.28	169286	4.63	74074	10.41
V6W1442-SCC	30832	3.28	169232	4.63	73926	10.41
ZZZZZZ	23308	3.28	123265	4.63	63019	10.41
ZZZZZZ	23200	3.28	120206	4.63	60897	10.41
ZZZZZZ	22589	3.28	119136	4.63	59659	10.41
JE4441-4	23371	3.28	123912	4.63	61157	10.41
JE4441-4DUP	24103	3.28	126674	4.63	62737	10.41
ZZZZZZ	23509	3.28	124249	4.63	62007	10.41
JE4458-2	23896	3.28	126872	4.63	62989	10.41
JE4458-2DUP	22952	3.28	125959	4.63	62487	10.41
ZZZZZZ	22624	3.28	124704	4.63	61818	10.41
ZZZZZZ	23035	3.28	126584	4.63	62341	10.41
ZZZZZZ	23327	3.28	127748	4.63	63327	10.41
ZZZZZZ	22010	3.28	109844	4.63	55591	10.41
ZZZZZZ	23589	3.28	125772	4.63	61945	10.41
JE4678-3	24861	3.28	132599	4.63	64324	10.41
JE4678-3DUP	24969	3.28	131643	4.63	64143	10.41
ZZZZZZ	25348	3.28	131829	4.63	64209	10.41
V6W1442-SCC	30808	3.28	164201	4.63	70368	10.41
V6W1442-SCC	27434	3.28	149913	4.63	71487	10.41
V6W1442-SCC	30456	3.28	161894	4.63	69405	10.41

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

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V6W1452-CC1441	**Injection Date:**	02/25/25
Lab File ID:	6W35013.D	**Injection Time:**	12:35
Instrument ID:	GCMS6W	**Method:**	TO-15 (BY SIM)

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	28231	3.28	149381	4.63	65774	10.41
Upper Limit [a]	39523	3.61	209133	4.96	92084	10.74
Lower Limit [b]	16939	2.95	89629	4.30	39464	10.08

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V6W1452-BS	24967	3.28	137424	4.63	62090	10.41
V6W1452-BSD	25922	3.28	135371	4.63	61858	10.41
V6W1452-MB	31456	3.28	169804	4.63	67257	10.41
V6W1452-SCC	32040	3.25	175068	4.63	69853	10.41
V6W1452-SCC	30240	3.28	166192	4.63	66169	10.41
V6W1452-SCC	31538	3.28	172640	4.63	68614	10.41
V6W1452-SCC	30998	3.28	171889	4.63	68400	10.41
V6W1452-SCC	27340	3.28	149850	4.63	65623	10.41
V6W1452-SCC	27070	3.28	146381	4.63	64426	10.41
V6W1452-SCC	27097	3.28	146545	4.63	64181	10.41

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

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V6W1468-CC1441	**Injection Date:**	04/04/25
Lab File ID:	6W35364.D	**Injection Time:**	17:04
Instrument ID:	GCMS6W	**Method:**	TO-15 (BY SIM)

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	29070	3.28	159217	4.63	70164	10.41
Upper Limit [a]	40698	3.61	222904	4.96	98230	10.74
Lower Limit [b]	17442	2.95	95530	4.30	42098	10.08

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V6W1468-BS	27573	3.28	153967	4.63	67490	10.41
V6W1468-BSD	28578	3.28	157992	4.63	68998	10.41
V6W1468-MB	28736	3.28	156567	4.63	63706	10.41
ZZZZZZ	27280	3.28	148908	4.63	65991	10.41
ZZZZZZ	28431	3.28	156817	4.63	68531	10.41
ZZZZZZ	26500	3.28	146739	4.63	64859	10.41
ZZZZZZ	26120	3.28	143712	4.63	63956	10.41
ZZZZZZ	26992	3.28	145247	4.63	64171	10.41
ZZZZZZ	27638	3.28	146769	4.63	64651	10.41
ZZZZZZ	27642	3.28	149596	4.63	65360	10.41
ZZZZZZ	25603	3.28	144219	4.63	63239	10.41
ZZZZZZ	26164	3.28	148428	4.63	64845	10.41
ZZZZZZ	31070	3.28	152843	4.63	67445	10.41
JE8460-2	29324	3.28	158327	4.63	68836	10.41
JE8460-2DUP	29275	3.28	153595	4.63	67370	10.41
ZZZZZZ	27877	3.28	156772	4.63	68100	10.41
ZZZZZZ	28847	3.28	157474	4.63	68093	10.41
ZZZZZZ	28858	3.28	150760	4.63	66180	10.41
JE8598-5	32939	3.28	156231	4.63	68855	10.41
JE8598-6	30373	3.28	156622	4.63	67954	10.41
JE8598-10	28229	3.28	156890	4.63	67905	10.41
V6W1468-ECC1441	28797	3.28	157255	4.63	68344	10.41

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

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W423-CC405	**Injection Date:**	01/16/25
Lab File ID:	7W11818.D	**Injection Time:**	11:34
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	137862	3.23	693738	4.49	645125	10.03
Upper Limit [a]	193007	3.56	971233	4.82	903175	10.36
Lower Limit [b]	82717	2.90	416243	4.16	387075	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W423-BS	139744	3.23	704830	4.50	655435	10.03
V7W423-BSD	141984	3.23	712325	4.50	666523	10.04
V7W423-MB	124743	3.23	634881	4.50	589400	10.03
JE3528-1	124943	3.24	721261	4.51	659916	10.04
JE3528-1DUP	139582	3.24	716711	4.51	665409	10.04
V7W423-SCC	140094	3.23	709175	4.50	645988	10.03
V7W423-SCC	116347	3.23	596944	4.49	551165	10.03
V7W423-SCC	117193	3.23	597422	4.49	548036	10.03
V7W423-SCC	118948	3.23	604671	4.49	549369	10.03
V7W423-SCC	115697	3.23	593367	4.49	542021	10.03
V7W423-SCC	117541	3.23	603103	4.49	555179	10.03
V7W423-SCC	116928	3.23	591815	4.49	542894	10.03
V7W423-SCC	117627	3.23	596317	4.49	546658	10.03
V7W423-SCC	116490	3.23	599404	4.49	548304	10.03
V7W423-SCC	117012	3.23	592398	4.49	536567	10.03
V7W423-SCC	114097	3.23	584287	4.49	540044	10.03
V7W423-SCC	117189	3.23	593732	4.49	546691	10.03
ZZZZZZ	113723	3.23	577506	4.49	533303	10.03
ZZZZZZ	118034	3.23	594085	4.49	578152	10.03
ZZZZZZ	137822	3.24	694930	4.51	627073	10.04
ZZZZZZ	137359	3.24	690166	4.51	624714	10.04
ZZZZZZ	115532	3.24	670401	4.50	607463	10.04
ZZZZZZ	137713	3.24	693459	4.51	629247	10.03
ZZZZZZ	135844	3.24	683451	4.50	622635	10.04

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

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W424-CC405	**Injection Date:**	01/17/25
Lab File ID:	7W11852.D	**Injection Time:**	12:35
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	134545	3.23	676743	4.49	623594	10.03
Upper Limit [a]	188363	3.56	947440	4.82	873032	10.36
Lower Limit [b]	80727	2.90	406046	4.16	374156	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W424-BS	139855	3.23	697394	4.49	645510	10.03
V7W424-BSD	143545	3.23	720514	4.49	673662	10.03
V7W424-MB	148725	3.23	750166	4.49	687795	10.03
JE3905-2	122526	3.24	633865	4.50	637638	10.04
JE3905-2DUP	137047	3.24	689094	4.51	628496	10.04
ZZZZZZ	132593	3.24	673806	4.50	621050	10.04
V7W424-SCC	141802	3.24	714063	4.50	652902	10.04
V7W424-SCC	139914	3.24	704442	4.50	635287	10.04
V7W424-SCC	141194	3.24	711546	4.50	650275	10.04
V7W424-SCC	141158	3.24	709203	4.50	641930	10.04
ZZZZZZ	136670	3.24	686387	4.50	606770	10.04
ZZZZZZ	138620	3.24	695558	4.50	613811	10.04
ZZZZZZ	139001	3.24	694120	4.50	631472	10.04
ZZZZZZ	125194	3.24	617875	4.50	565353	10.04
ZZZZZZ	142700	3.24	711554	4.50	638946	10.04
ZZZZZZ	141322	3.24	707158	4.50	628222	10.04
ZZZZZZ	140239	3.24	702049	4.51	629779	10.04
ZZZZZZ	141452	3.24	704767	4.50	631327	10.04
ZZZZZZ	137343	3.24	691489	4.50	623857	10.04
ZZZZZZ	139702	3.24	701299	4.51	631989	10.04
ZZZZZZ	134975	3.24	688783	4.51	618927	10.04
ZZZZZZ	134922	3.23	678475	4.49	616730	10.03
ZZZZZZ	135882	3.23	684251	4.49	617800	10.03
ZZZZZZ	127257	3.23	702200	4.49	632785	10.04
ZZZZZZ	134180	3.23	671976	4.49	606854	10.03
V7W424-SCC	134264	3.23	675342	4.49	612055	10.03

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

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W426-CC405	**Injection Date:**	01/19/25
Lab File ID:	7W11930.D	**Injection Time:**	23:30
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	119162	3.23	603484	4.50	562140	10.04
Upper Limit [a]	166827	3.56	844878	4.83	786996	10.37
Lower Limit [b]	71497	2.90	362090	4.17	337284	9.71

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W426-BS	122697	3.23	623032	4.50	578448	10.03
V7W426-BSD	126664	3.23	642173	4.50	598519	10.04
V7W426-MB	130128	3.23	657943	4.49	602284	10.03
ZZZZZZ	126569	3.24	638429	4.51	585518	10.04
ZZZZZZ	122814	3.24	619494	4.51	550976	10.04
ZZZZZZ	124407	3.24	628582	4.50	564942	10.04
JE4060-1	118493	3.24	607641	4.50	560781	10.04
JE4060-1DUP	120179	3.24	611396	4.50	562403	10.04
V7W426-SCC	121060	3.23	614569	4.49	560492	10.03
V7W426-SCC	123068	3.23	628300	4.49	568970	10.03
V7W426-SCC	123659	3.23	627611	4.49	572163	10.03
V7W426-SCC	123756	3.23	625326	4.49	572495	10.03
V7W426-SCC	123795	3.23	631961	4.49	577088	10.03
V7W426-SCC	122958	3.23	629449	4.49	572460	10.03
V7W426-SCC	121027	3.23	611884	4.49	557457	10.03
V7W426-SCC	119901	3.23	610080	4.49	558452	10.03
V7W426-SCC	122134	3.23	620491	4.49	529237	10.03
ZZZZZZ	120605	3.24	604721	4.50	555217	10.04
ZZZZZZ	121514	3.24	611433	4.50	568500	10.04
ZZZZZZ	122063	3.24	606935	4.50	554191	10.04
V7W426-SCC	123264	3.23	628328	4.50	567535	10.04
V7W426-SCC	125211	3.23	633841	4.50	575043	10.04
V7W426-SCC	122553	3.24	626928	4.50	573311	10.04

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

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W431-CC405	**Injection Date:**	01/25/25
Lab File ID:	7W12102.D	**Injection Time:**	18:18
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	132545	3.23	663016	4.49	611786	10.03
Upper Limit [a]	185563	3.56	928222	4.82	856500	10.36
Lower Limit [b]	79527	2.90	397810	4.16	367072	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W431-BS	128894	3.23	646080	4.49	595314	10.03
V7W431-BSD	135558	3.23	682375	4.49	633714	10.03
V7W431-MB	136282	3.23	689881	4.49	631693	10.03
JE4422-6	131115	3.23	663145	4.50	611385	10.04
JE4422-6DUP	129647	3.23	651709	4.50	608305	10.04
ZZZZZZ	132004	3.24	669132	4.50	616353	10.04
ZZZZZZ	133194	3.23	673148	4.50	615294	10.04
ZZZZZZ	130823	3.25	678215	4.51	633307	10.04
ZZZZZZ	131235	3.24	660558	4.50	608413	10.04
ZZZZZZ	127698	3.24	626432	4.50	586191	10.04
ZZZZZZ	127891	3.24	645936	4.51	603999	10.04
ZZZZZZ	127030	3.24	648270	4.50	600077	10.04
ZZZZZZ	130817	3.24	658621	4.50	604608	10.04
ZZZZZZ	132307	3.23	664404	4.49	607532	10.03
ZZZZZZ	131332	3.23	663958	4.49	613110	10.03
ZZZZZZ	129504	3.23	656853	4.49	611255	10.03
ZZZZZZ	134306	3.23	675036	4.49	620564	10.03
ZZZZZZ	130278	3.23	659026	4.49	607961	10.03
ZZZZZZ	134045	3.24	676584	4.50	621669	10.04
ZZZZZZ	133825	3.24	669680	4.50	614200	10.04
ZZZZZZ	132126	3.24	670293	4.50	611535	10.04
ZZZZZZ	128860	3.24	654344	4.50	602222	10.04
ZZZZZZ	132454	3.23	670165	4.49	612055	10.03
ZZZZZZ	129834	3.23	656721	4.49	598360	10.03
ZZZZZZ	133025	3.23	666452	4.49	605489	10.03
ZZZZZZ	129514	3.23	655079	4.49	602199	10.03
V7W431-SCC	134348	3.23	673606	4.49	617178	10.03
V7W431-SCC	132408	3.23	660715	4.49	606913	10.03
V7W431-SCC	130306	3.23	650653	4.49	592908	10.03

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

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W431-CC405	**Injection Date:**	01/25/25
Lab File ID:	7W12102.D	**Injection Time:**	18:18
Instrument ID:	GCMS7W	**Method:**	TO-15

Lab	IS 1		IS 2		IS 3	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W459-CC405	**Injection Date:**	02/26/25
Lab File ID:	7W13010.D	**Injection Time:**	09:46
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	127733	3.23	621557	4.49	585306	10.03
Upper Limit [a]	178826	3.56	870180	4.82	819428	10.36
Lower Limit [b]	76640	2.90	372934	4.16	351184	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W459-BS	130930	3.23	636504	4.50	592766	10.03
V7W459-BSD	130307	3.23	635926	4.50	594825	10.03
V7W459-MB	134868	3.23	669443	4.49	608398	10.03
V7W459-SCC	131020	3.23	637045	4.49	583285	10.03
JE5908-6	126994	3.24	622565	4.51	580484	10.04
JE5908-6DUP	125716	3.24	618644	4.51	574344	10.04
JE5794-1	129451	3.24	627899	4.51	572578	10.04
JE5794-1DUP	134782	3.24	649893	4.51	586379	10.04
ZZZZZZ	131282	3.24	633107	4.51	576597	10.04
ZZZZZZ	131179	3.24	633694	4.51	571768	10.04
ZZZZZZ	129884	3.24	630806	4.51	572290	10.04
ZZZZZZ	131751	3.24	638790	4.51	578663	10.04
ZZZZZZ	126781	3.23	625533	4.49	577077	10.03
ZZZZZZ	127573	3.23	627119	4.50	580017	10.03
ZZZZZZ	127381	3.23	630564	4.50	582322	10.03
ZZZZZZ	125155	3.23	613176	4.50	573015	10.03
ZZZZZZ	128493	3.23	631756	4.49	580917	10.03
ZZZZZZ	128469	3.23	628901	4.49	577348	10.03
ZZZZZZ	123531	3.23	605465	4.50	561178	10.03
ZZZZZZ	127717	3.23	626012	4.50	574682	10.03
ZZZZZZ	129270	3.23	635716	4.49	582639	10.03
ZZZZZZ	128494	3.24	626586	4.51	575831	10.04
ZZZZZZ	129910	3.24	636417	4.51	585904	10.04
ZZZZZZ	128591	3.24	628992	4.51	579568	10.04
ZZZZZZ	128930	3.24	629303	4.51	577569	10.04
ZZZZZZ	130985	3.24	640429	4.51	583134	10.04
V7W459-ECC405	129777	3.23	629564	4.50	588060	10.03

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

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

Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Check Std:	V7W501-CC405	**Injection Date:**	04/13/25
Lab File ID:	7W14395.D	**Injection Time:**	15:12
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	123258	3.23	636597	4.50	604558	10.03
Upper Limit [a]	172561	3.56	891236	4.83	846381	10.36
Lower Limit [b]	73955	2.90	381958	4.17	362735	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W501-BS	124951	3.23	641597	4.50	611410	10.04
V7W501-BSD	126925	3.23	657219	4.50	618409	10.03
V7W501-MB	129882	3.23	672546	4.50	619305	10.04
JE8503-1	128462	3.23	668115	4.50	618143	10.03
JE8503-1DUP	127409	3.23	660416	4.50	611670	10.03
ZZZZZZ	126491	3.23	656229	4.49	610408	10.03
ZZZZZZ	125921	3.23	644914	4.50	595712	10.04
ZZZZZZ	125987	3.23	648018	4.50	602219	10.03
ZZZZZZ	125173	3.23	652608	4.50	608996	10.03
ZZZZZZ	129616	3.23	659346	4.49	613701	10.03
ZZZZZZ	126157	3.23	651440	4.50	607335	10.03
ZZZZZZ	125795	3.24	653824	4.51	606010	10.04
ZZZZZZ	127852	3.24	646203	4.51	598628	10.04
JE8598-3	124552	3.23	640633	4.50	597529	10.04
JE8598-1	123331	3.23	636202	4.50	598198	10.03
JE8598-2	124251	3.23	643220	4.50	601858	10.03
JE8598-4	125118	3.23	647649	4.50	601135	10.03
JE8598-7	127078	3.23	655938	4.50	604805	10.03
JE8598-8	126598	3.23	649848	4.50	608293	10.03
JE8598-9	124668	3.23	637226	4.50	580997	10.03
JE8598-11	126690	3.23	650572	4.49	596464	10.04
ZZZZZZ	126612	3.24	653062	4.51	602458	10.04
ZZZZZZ	128694	3.24	655504	4.51	604394	10.04
ZZZZZZ	129263	3.24	664079	4.51	622306	10.04
V7W501-ECC405	127401	3.23	661222	4.50	621174	10.03

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

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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.21	7.64	0.682	ok	0.679	0.619-0.739
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.93	15.33	1.170	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.31	15.33	1.064	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.60	7.64	0.602	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.55	7.64	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.62	7.64	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.85	15.33	0.903	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.60	7.64	1.126	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.82	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.64	0.842	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	7.49	7.64	0.980	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.82	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.84	15.33	1.294	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.42	15.33	1.332	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.95	15.33	1.301	ok	1.299	1.239-1.359
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethylbenzene	15.98	15.33	1.042	ok	1.041	0.981-1.101
Freon 113	5.80	7.64	0.759	ok	0.758	0.698-0.818

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 114	3.81	7.64	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.75	7.64	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.52	7.64	0.461	ok	0.461	0.401-0.521
Heptane	11.03	9.82	1.123	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.68	7.64	1.005	ok	1.005	0.945-1.065
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.33	1.162	ok	1.162	1.102-1.222
Methylene chloride	5.58	7.64	0.730	ok	0.728	0.668-0.788
Methyl Tert Butyl Ether	6.77	7.64	0.886	ok	0.878	0.818-0.938
Naphthalene	22.91	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.31	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.22	7.64	0.683	ok	0.681	0.621-0.741
n-Propylbenzene	18.66	15.33	1.217	ok	1.215	1.155-1.275
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.33	1.004	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.93	15.33	1.104	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.24	15.33	1.516	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.12	15.33	1.117	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.25	15.33	1.321	ok	1.319	1.259-1.379
1,3,5-Trimethylbenzene	19.02	15.33	1.241	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.63	7.64	0.737	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.33	0.944	ok	0.943	0.883-1.003
Toluene	12.97	9.82	1.321	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512	ok	0.511	0.451-0.571
m,p-Xylene	16.25	15.33	1.060	ok	1.058	0.998-1.118
o-Xylene	16.91	15.33	1.103	ok	1.102	1.042-1.162

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	443022	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1966418	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	923193	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.20	7.64	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.64	0.605	ok	0.602	0.542-0.662
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.33	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.59	7.64	0.601	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
n-Butylbenzene	20.86	15.33	1.361	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.33	1.306	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.64	0.466	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.56	15.33	1.211	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.64	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.83	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.82	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
1,4-Dioxane	10.78	9.82	1.098	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.44	7.64	0.843	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	7.48	7.64	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.82	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.33	1.294	ok	1.292	1.232-1.352

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.94	15.33	1.301	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.43	9.82	1.266	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.74	7.64	1.013	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
4-Ethyltoluene	18.89	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.79	7.64	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.64	0.500	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.75	7.64	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.53	7.64	0.462	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.64	1.007	ok	1.005	0.945-1.065
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.33	1.162	ok	1.162	1.102-1.222
p-Isopropyltoluene	20.27	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.56	7.64	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.16	7.64	0.937	ok	0.924	0.864-0.984
Methyl Tert Butyl Ether	6.75	7.64	0.884	ok	0.878	0.818-0.938
Methylmethacrylate	11.01	9.82	1.121	ok	1.115	1.055-1.175
Naphthalene	22.90	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.21	7.64	0.682	ok	0.681	0.621-0.741
n-Propylbenzene	18.66	15.33	1.217	ok	1.215	1.155-1.275
Propylene	3.58	7.64	0.469	ok	0.468	0.408-0.528
Styrene	16.78	15.33	1.095	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.33	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33	1.515	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.11	15.33	1.116	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.33	1.320	ok	1.319	1.259-1.379

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	19.64	15.33	1.281	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.02	15.33	1.241	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.61	7.64	0.734	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.33	0.944	ok	0.943	0.883-1.003
Tetrahydrofuran	8.34	7.64	1.092	ok	1.079	1.019-1.139
Toluene	12.97	9.82	1.321	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512	ok	0.511	0.451-0.571
m,p-Xylene	16.25	15.33	1.060	ok	1.058	0.998-1.118
o-Xylene	16.91	15.33	1.103	ok	1.102	1.042-1.162

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	433255	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1918380	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	901402	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.84	7.65	0.633	ok	0.629	0.569-0.689
Acrolein	4.72	7.65	0.617	ok	0.614	0.554-0.674
Acrylonitrile	5.22	7.65	0.682	ok	0.679	0.619-0.739
Acetonitrile	4.63	7.65	0.605	ok	0.602	0.542-0.662
1,3-Butadiene	4.02	7.65	0.525	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.33	1.169	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.22	7.65	0.552	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.65	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.33	1.293	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.33	1.361	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.33	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.84	7.65	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.57	7.65	0.467	ok	0.465	0.405-0.525
Chloroethane	4.34	7.65	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.65	1.020	ok	1.019	0.959-1.079
Chloromethane	3.76	7.65	0.492	ok	0.490	0.430-0.550
3-Chloropropene	5.68	7.65	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.33	1.210	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.64	7.65	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.47	7.65	0.715	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.83	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.60	7.65	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
1,4-Dioxane	10.76	9.82	1.096	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.65	0.476	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.41	7.65	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.82	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.49	7.65	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.82	1.195	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.33	1.294	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.33	1.300	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.42	9.82	1.265	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.75	7.65	1.013	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
Ethyl Acetate	7.80	7.65	1.020	ok	1.012	0.952-1.072
Ethyl Acrylate	10.48	9.82	1.067	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.81	7.65	0.759	ok	0.758	0.698-0.818
Freon 114	3.83	7.65	0.501	ok	0.499	0.439-0.559
Freon 123	4.72	7.65	0.617	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.44	15.33	0.877	ok	0.872	0.812-0.932
Iodomethane	5.41	7.65	0.707	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.33	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.06	7.65	0.661	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.58	7.65	0.729	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.12	7.65	0.931	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.86	9.82	1.208	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.75	7.65	0.882	ok	0.878	0.818-0.938
Methylmethacrylate	10.98	9.82	1.118	ok	1.115	1.055-1.175
Naphthalene	22.90	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.22	7.65	0.682	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.33	1.216	ok	1.215	1.155-1.275
Propylene	3.59	7.65	0.469	ok	0.468	0.408-0.528

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.77	15.33	1.094	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.65	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.33	1.004	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33	1.515	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.33	1.115	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.33	1.320	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.63	15.33	1.280	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.02	15.33	1.241	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.61	7.65	0.733	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.33	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.32	7.65	1.088	ok	1.079	1.019-1.139
Toluene	12.96	9.82	1.320	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.93	7.65	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.92	7.65	0.512	ok	0.511	0.451-0.571
Vinyl Acetate	6.82	7.65	0.892	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.33	1.059	ok	1.058	0.998-1.118
o-Xylene	16.90	15.33	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.22	15.33	0.341	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	430146	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1898537	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	894261	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

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V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.81	7.65	0.629	ok	0.629	0.569-0.689
Acrolein	4.70	7.65	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.65	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.65	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.65	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.65	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.04	7.65	0.528	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.60	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.65	0.762	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.65	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.65	0.566	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.65	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.65	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.65	0.741	ok	0.741	0.681-0.801
2-Chlorotoluene	18.54	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.65	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.65	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.81	15.34	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.67	9.82	1.087	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.65	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.65	0.575	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.34	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

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V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.48	7.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.81	15.34	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.65	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethanol	4.43	7.65	0.579	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.74	7.65	1.012	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.65	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.65	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.65	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.31	15.34	1.389	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.34	0.871	ok	0.872	0.812-0.932
Iodomethane	5.39	7.65	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.65	0.655	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.65	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.04	7.65	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.82	1.201	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.70	7.65	0.876	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.82	1.113	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.30	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.65	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

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V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.65	0.468	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.65	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.60	9.82	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.22	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.09	15.34	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.34	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.53	7.65	0.723	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.65	1.076	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.65	0.643	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.65	0.511	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.65	0.888	ok	0.888	0.828-0.948
m,p-Xylene	16.20	15.34	1.056	ok	1.058	0.998-1.118
o-Xylene	16.89	15.34	1.101	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	412314	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1823891	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	913003	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.65	0.627	ok	0.629	0.569-0.689
Acrolein	4.69	7.65	0.613	ok	0.614	0.554-0.674
Acrylonitrile	5.18	7.65	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.65	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.65	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.65	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.65	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.65	0.762	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.65	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.65	0.566	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.65	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.65	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.65	0.741	ok	0.741	0.681-0.801
2-Chlorotoluene	18.54	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.65	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.65	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.82	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.65	0.476	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.65	0.575	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.34	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.48	7.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.81	15.34	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.69	7.65	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethanol	4.43	7.65	0.579	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.65	1.010	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.65	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.65	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.65	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.34	0.870	ok	0.872	0.812-0.932
Iodomethane	5.39	7.65	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.00	7.65	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.65	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.65	0.919	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.82	1.199	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.69	7.65	0.875	ok	0.878	0.818-0.938
Methylmethacrylate	10.92	9.82	1.112	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.30	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.65	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.65	0.468	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.65	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.60	9.82	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.22	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.09	15.34	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.34	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.65	0.722	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.22	7.65	1.075	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.65	0.643	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.65	0.511	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.65	0.888	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.34	1.058	ok	1.058	0.998-1.118
o-Xylene	16.89	15.34	1.101	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	422761	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1839130	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	963498	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.69	7.66	0.612	ok	0.614	0.554-0.674
Acrylonitrile	5.18	7.66	0.676	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.66	0.740	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.82	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.66	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.66	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.82	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.34	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.48	7.66	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.34	1.292	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.69	7.66	1.004	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.43	7.66	0.578	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.72	7.66	1.008	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.82	7.66	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.66	0.615	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.34	15.34	0.870	ok	0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.00	7.66	0.653	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.66	0.727	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.82	1.199	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.92	9.82	1.112	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.31	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.66	0.680	ok	0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

6.7.1

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Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.66	0.467	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.66	1.157	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.82	1.284	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.22	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.09	15.34	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.34	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.34	1.058	ok	1.058	0.998-1.118
o-Xylene	16.89	15.34	1.101	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	434526	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1816899	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	1045556	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.70	7.66	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.66	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.34	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.60	9.83	1.078	ok	1.078	1.018-1.138
Bromoform	16.29	15.34	1.062	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.34	1.292	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.34	1.360	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.34	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.62	15.34	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.34	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.68	7.66	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.66	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.47	7.66	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.83	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.83	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.34	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.83	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.83	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.34	1.292	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.34	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.83	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.66	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.83	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.44	7.66	0.580	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.66	1.009	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.83	1.058	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.83	7.66	0.500	ok	0.499	0.439-0.559
Freon 123	4.72	7.66	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.83	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.34	0.870	ok	0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.34	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.66	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.58	7.66	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.83	1.197	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.83	1.112	ok	1.115	1.055-1.175
Naphthalene	22.89	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.31	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.22	7.66	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.34	1.215	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.66	0.467	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.34	1.115	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.63	15.34	1.280	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.019-1.139
Toluene	12.95	9.83	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.828-0.948
m,p-Xylene	16.24	15.34	1.059	ok	1.058	0.998-1.118
o-Xylene	16.90	15.34	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	463457	ok	443667	266200-621134
1,4-Difluorobenzene	9.83	ok	9.82	9.49-10.15	1816263	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	1233579	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.70	7.66	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.66	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.60	9.83	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.35	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.35	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.35	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.62	15.35	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.66	0.740	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.64	7.66	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.66	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.83	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.83	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.35	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.83	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.83	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.66	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.83	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.44	7.66	0.580	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.35	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.66	1.009	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.83	1.058	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.35	1.230	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.82	7.66	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.66	0.615	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.35	1.389	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.35	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.66	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.58	7.66	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.83	1.197	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.83	1.112	ok	1.115	1.055-1.175
Naphthalene	22.89	15.35	1.491	ok	1.493	1.433-1.553
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.66	0.680	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.35	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.66	0.467	ok	0.468	0.408-0.528
Styrene	16.75	15.35	1.091	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.019-1.139
Toluene	12.95	9.83	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.828-0.948
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.35	0.339	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	497435	ok	443667	266200-621134
1,4-Difluorobenzene	9.83	ok	9.82	9.49-10.15	1886774	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.35	ok	15.34	15.01-15.67	1356790	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
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Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.64	0.631	ok	0.629	0.569-0.689
Acrolein	4.70	7.64	0.615	ok	0.614	0.554-0.674
Acrylonitrile	5.20	7.64	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.61	7.64	0.603	ok	0.602	0.542-0.662
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.33	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.29	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.60	7.64	0.602	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.33	1.292	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.33	1.360	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.33	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.60	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.64	0.466	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.33	1.210	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.62	7.64	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.73	9.82	1.093	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.64	0.842	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.47	7.64	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.82	1.195	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.33	1.293	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.33	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.41	9.82	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.64	1.010	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethanol	4.44	7.64	0.581	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
Ethyl Acetate	7.77	7.64	1.017	ok	1.012	0.952-1.072
Ethyl Acrylate	10.45	9.82	1.064	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.80	7.64	0.759	ok	0.758	0.698-0.818
Freon 114	3.82	7.64	0.500	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.64	0.623	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.52	7.64	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.64	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.41	15.33	0.875	ok	0.872	0.812-0.932
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.33	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.04	7.64	0.660	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.56	7.64	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.09	7.64	0.928	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.84	9.82	1.206	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.73	7.64	0.881	ok	0.878	0.818-0.938
Methylmethacrylate	10.96	9.82	1.116	ok	1.115	1.055-1.175
Naphthalene	22.89	15.33	1.493	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.20	7.64	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.33	1.216	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.64	0.469	ok	0.468	0.408-0.528
Styrene	16.75	15.33	1.093	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.33	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.82	1.284	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33	1.515	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.33	1.115	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.33	1.320	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.33	1.280	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.33	1.240	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.58	7.64	0.730	ok	0.727	0.667-0.787
Tetrachloroethylene	14.45	15.33	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.29	7.64	1.085	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512	ok	0.511	0.451-0.571
Vinyl Acetate	6.81	7.64	0.891	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.33	1.059	ok	1.058	0.998-1.118
o-Xylene	16.90	15.33	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.20	15.33	0.339	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	456086	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	2018572	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	942297	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.28	4.63	2.004	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	26003	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	147173	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	72770	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.18	3.28	0.970	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27342	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	150129	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	73179	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)	
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)	Reporting this level
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.18	3.28	0.970	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.79	10.41	1.613	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.97	3.28	1.210	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27828	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	149518	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	73245	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)	
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)	Reporting this level
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.18	3.28	0.970	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27430	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	148125	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	72676	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.79	10.41	1.613	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27642	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	151388	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	73895	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	26892	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	149217	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	72500	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)Reporting this level
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.18	3.28	0.970	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.97	3.28	1.210	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.28	4.63	2.004	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	29926	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	154416	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	77300	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)	
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)	Reporting this level
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.16	4.63	1.114	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.97	4.63	1.073	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.28	4.63	2.004	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	26529	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	148642	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	71450	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM) Reporting this level
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27105	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	148139	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	71154	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V6W1441-IC1441	6W34720.D	01/29/25 20:02	BK	0.02	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34721.D	01/29/25 20:39	BK	0.05	GCMS6W	TO-15 (BY SIM)	
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	BK	0.10	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34723.D	01/29/25 21:55	BK	0.20	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34724.D	01/29/25 22:40	BK	0.50	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34730.D	01/30/25 02:25	BK	1.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34732.D	01/30/25 03:50	BK	5.0	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34736.D	01/30/25 06:31	BK	0.002	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34737.D	01/30/25 07:08	BK	0.005	GCMS6W	TO-15 (BY SIM)	
V6W1441-IC1441	6W34738.D	01/30/25 07:46	BK	0.01	GCMS6W	TO-15 (BY SIM)	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.28	3.28	1.305	ok	1.305	1.245-1.365
Bromodichloromethane	5.19	4.63	1.121	ok	1.120	1.060-1.180
Chlorobenzene	10.49	10.41	1.008	ok	1.008	0.948-1.068
Chloroethane	1.93	3.28	0.588	ok	0.588	0.528-0.648
Chloroform	3.33	3.28	1.015	ok	1.015	0.955-1.075
Carbon tetrachloride	4.41	3.28	1.345	ok	1.345	1.285-1.405
1,1-Dichloroethane	2.77	3.28	0.845	ok	0.845	0.785-0.905
1,1-Dichloroethylene	2.31	3.28	0.704	ok	0.704	0.644-0.764
1,2-Dibromoethane	8.38	4.63	1.810	ok	1.810	1.750-1.870
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.148	1.088-1.208
1,2-Dichloropropane	4.99	4.63	1.078	ok	1.077	1.017-1.137
Dibromochloromethane	8.04	4.63	1.737	ok	1.737	1.677-1.797
trans-1,2-Dichloroethylene	2.69	3.28	0.820	ok	0.820	0.760-0.880
cis-1,2-Dichloroethylene	3.15	3.28	0.960	ok	0.964	0.904-1.024
cis-1,3-Dichloropropene	6.22	4.63	1.343	ok	1.343	1.283-1.403
m-Dichlorobenzene	16.80	10.41	1.614	ok	1.614	1.554-1.674
o-Dichlorobenzene	17.17	10.41	1.649	ok	1.649	1.589-1.709
p-Dichlorobenzene	16.88	10.41	1.622	ok	1.622	1.562-1.682
trans-1,3-Dichloropropene	6.91	4.63	1.492	ok	1.492	1.432-1.552
Methylene chloride	2.36	3.28	0.720	ok	0.720	0.660-0.780
Naphthalene	18.48	10.41	1.775	ok	1.775	1.715-1.835
1,1,1-Trichloroethane	3.94	3.28	1.201	ok	1.203	1.143-1.263
1,1,2,2-Tetrachloroethane	12.81	10.41	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	7.08	4.63	1.529	ok	1.529	1.469-1.589
Tetrachloroethylene	9.25	4.63	1.998	ok	2.000	1.940-2.060
Toluene	7.46	4.63	1.611	ok	1.611	1.551-1.671
Trichloroethylene	5.23	4.63	1.130	ok	1.130	1.070-1.190
Vinyl chloride	1.77	3.28	0.540	ok	0.540	0.480-0.600

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	27603	ok	27430	16458-38402
1,4-Difluorobenzene	4.63	ok	4.63	4.30-4.96	150865	ok	149761	89857-209665
Chlorobenzene-D5	10.41	ok	10.41	10.08-10.74	72832	ok	73100	43860-102340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.22	0.652	ok	0.652	0.592-0.712
Acrolein	2.06	3.22	0.640	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562	ok	0.561	0.501-0.621
Benzene	4.17	3.22	1.295	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.22	0.584	ok	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630	ok	0.629	0.569-0.689
n-Butane	1.82	3.22	0.565	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.03	1.658	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509	ok	0.508	0.448-0.568
Chloroethane	1.93	3.22	0.599	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Chloroform	3.29	3.22	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.22	0.531	ok	0.530	0.470-0.590
3-Chloropropene	2.43	3.22	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.84	10.03	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22	1.329	ok	1.326	1.266-1.386
Cyclohexane	4.37	4.49	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22	0.866	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22	0.733	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49	1.612	ok	1.613	1.553-1.673
1,4-Dioxane	5.23	4.49	1.165	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22	0.519	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22	0.609	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174	ok	1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.97	4.49	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.65	10.03	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.22	0.773	ok	0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok	0.539	0.479-0.599
Freon 115	1.60	3.22	0.497	ok	0.496	0.436-0.556
Freon 123	2.07	3.22	0.643	ok	0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok	0.648	0.588-0.708
Freon 142B	1.70	3.22	0.528	ok	0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.03	1.753	ok	1.751	1.691-1.811
Hexane	3.28	3.22	1.019	ok	1.015	0.955-1.075
2-Hexanone	7.82	4.49	1.742	ok	1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.22	0.745	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.38	10.03	1.833	ok	1.831	1.771-1.891
Nonane	13.46	10.03	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Styrene	12.15	10.03	1.211	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.22	1.202	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.49	1.521	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.15	4.49	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.22	0.745	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.49	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.22	1.099	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.22	0.671	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.22	0.550	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.22	0.888	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.03	1.139	ok	1.138	1.078-1.198
o-Xylene	12.35	10.03	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.22	ok	3.23	2.90-3.56	135115	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	681342	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	623287	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.22	0.655	ok	0.652	0.592-0.712
Acrolein	2.07	3.22	0.643	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562	ok	0.561	0.501-0.621
Benzene	4.17	3.22	1.295	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.89	3.22	0.587	ok	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630	ok	0.629	0.569-0.689
n-Butane	1.83	3.22	0.568	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509	ok	0.508	0.448-0.568
Chloroethane	1.93	3.22	0.599	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Chloroform	3.30	3.22	1.025	ok	1.022	0.962-1.082
Chloromethane	1.71	3.22	0.531	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.22	0.758	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22	1.329	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22	0.866	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22	0.733	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49	1.612	ok	1.613	1.553-1.673
1,4-Dioxane	5.17	4.49	1.151	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22	0.519	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22	0.609	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.78	4.49	1.065	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174	ok	1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.22	0.773	ok	0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok	0.539	0.479-0.599
Freon 115	1.60	3.22	0.497	ok	0.496	0.436-0.556
Freon 123	2.08	3.22	0.646	ok	0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok	0.648	0.588-0.708
Freon 142B	1.71	3.22	0.531	ok	0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok	0.504	0.444-0.564
Heptane	5.46	4.49	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.27	3.22	1.016	ok	1.015	0.955-1.075
2-Hexanone	7.80	4.49	1.737	ok	1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.39	3.22	0.742	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.46	10.03	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Styrene	12.13	10.03	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.22	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.65	10.03	1.261	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.22	0.745	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.22	1.099	ok	1.091	1.031-1.151
Toluene	7.18	4.49	1.599	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.22	0.671	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.22	0.550	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.22	0.888	ok	0.887	0.827-0.947
m,p-Xylene	11.38	10.03	1.135	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.22	ok	3.23	2.90-3.56	133584	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	679369	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	626077	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.12	3.23	0.656	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.50	1.111	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.23	4.50	1.162	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.30	3.23	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.23	1.170	ok	1.173	1.113-1.233
Ethanol	1.98	3.23	0.613	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.31	3.23	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.98	4.50	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.50	1.744	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.20	3.23	0.681	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.98	3.23	0.923	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.50	1.371	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.85	3.23	0.882	ok	0.876	0.816-0.936
Methylmethacrylate	5.39	4.50	1.198	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.05	4.50	2.011	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.03	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.03	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.03	1.232	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.50	1.516	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.43	3.23	0.752	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.50	1.978	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.23	1.096	ok	1.091	1.031-1.151
Toluene	7.19	4.50	1.598	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.50	1.124	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.87	3.23	0.889	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.03	1.140	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	135376	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	684640	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	633519	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.71	10.03	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.37	4.49	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.14	4.49	1.145	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.79	4.49	1.735	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.18	3.23	0.675	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.23	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.49	1.363	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.19	10.03	1.514	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.03	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.95	10.03	1.690	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.15	4.49	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.23	0.743	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.49	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.52	3.23	1.090	ok	1.091	1.031-1.151
Toluene	7.18	4.49	1.599	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.41	10.03	1.138	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	130126	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	661732	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	600657	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
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Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.04	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.04	3.23	0.632	ok	0.629	0.569-0.689
n-Butane	1.83	3.23	0.567	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.50	3.23	0.774	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.29	3.23	1.328	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.50	1.073	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.12	4.50	1.138	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.97	3.23	0.610	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.50	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.50	3.23	0.774	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.08	3.23	0.644	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.80	4.50	1.733	ok	1.734	1.674-1.794
Iodomethane	2.34	3.23	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.23	0.678	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.50	1.360	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.47	10.04	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.50	2.013	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.19	10.04	1.513	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.04	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.04	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.50	1.516	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.04	1.825	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.04	1.259	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.04	1.646	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.04	1.585	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.23	0.743	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.50	1.980	ok	1.982	1.922-2.042
Tetrahydrofuran	3.52	3.23	1.090	ok	1.091	1.031-1.151
Toluene	7.19	4.50	1.598	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.50	1.124	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.87	3.23	0.889	ok	0.887	0.827-0.947
m,p-Xylene	11.41	10.04	1.136	ok	1.138	1.078-1.198
o-Xylene	12.35	10.04	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131992	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	667855	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	626654	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
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V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.03	1.658	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.03	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.08	4.49	1.131	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.66	3.23	0.514	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.27	3.23	1.012	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.13	10.03	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.03	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.03	1.232	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.51	3.23	1.087	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.03	1.139	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131378	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	659033	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	616113	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.73	10.04	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.04	1.750	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.48	10.04	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.04	1.514	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.04	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.04	1.825	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.04	1.259	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.54	10.04	1.647	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.92	10.04	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.51	3.23	1.087	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.04	1.137	ok	1.138	1.078-1.198
o-Xylene	12.35	10.04	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	126854	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	638427	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	603108	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.49	1.797	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.65	10.04	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.08	3.23	0.644	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.87	10.04	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04	1.697	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.48	10.04	1.343	ok	1.343	1.283-1.403
Octane	9.07	4.49	2.020	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.21	10.04	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.15	10.04	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.38	10.04	1.233	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.49	1.521	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.33	10.04	1.826	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.65	10.04	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.55	10.04	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.93	10.04	1.587	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.50	3.23	1.084	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.07	4.49	1.129	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.04	1.138	ok	1.138	1.078-1.198
o-Xylene	12.36	10.04	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	128392	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	638040	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	608914	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.64	10.04	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.85	10.04	1.678	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.50	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.71	3.23	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.26	4.50	1.613	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.50	1.127	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.80	4.50	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.00	4.50	1.333	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.50	1.100	ok	1.104	1.044-1.164
4-Ethyltoluene	15.66	10.04	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.64	10.04	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.77	4.50	1.727	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.88	10.04	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04	1.697	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.10	4.50	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.38	10.04	1.831	ok	1.831	1.771-1.891
Nonane	13.49	10.04	1.344	ok	1.343	1.283-1.403
Octane	9.07	4.50	2.016	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.21	10.04	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.15	10.04	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.14	10.04	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.38	10.04	1.233	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.50	1.518	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.33	10.04	1.826	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.66	10.04	1.261	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.97	10.04	1.690	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.55	10.04	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.93	10.04	1.587	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.92	4.50	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.50	3.23	1.084	ok	1.091	1.031-1.151
Toluene	7.20	4.50	1.600	ok	1.600	1.540-1.660
Trichloroethylene	5.07	4.50	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.04	1.138	ok	1.138	1.078-1.198
o-Xylene	12.36	10.04	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131520	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	651140	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	631688	ok	618891	371335-866447

Surrogate Recovery Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE8598-1	7W14411.D	108
JE8598-2	7W14412.D	110
JE8598-3	7W14410.D	113
JE8598-4	7W14414.D	106
JE8598-7	7W14415.D	109
JE8598-8	7W14416.D	109
JE8598-9	7W14417.D	111
JE8598-11	7W14418.D	107
JE8503-1DUP	7W14401.D	111
V5W2159-SCC	5W56382.D	116
V7W423-SCC	7W11830.D	98
V7W424-SCC	7W11885.D	89
V7W426-SCC	7W11949.D	97
V7W431-SCC	7W12133.D	99
V7W459-SCC	7W13016.D	96
V7W501-BS	7W14396.D	112
V7W501-BSD	7W14397.D	112
V7W501-MB	7W14399.D	101
V5W2159-BS	5W56372.D	110
V5W2159-BSD	5W56373.D	110
V5W2159-MB	5W56377.D	117
V7W423-BS	7W11819.D	107
V7W423-BSD	7W11820.D	107
V7W423-MB	7W11822.D	104
V7W424-BS	7W11854.D	107
V7W424-BSD	7W11855.D	106
V7W424-MB	7W11857.D	92
V7W426-BS	7W11931.D	108
V7W426-BSD	7W11932.D	108
V7W426-MB	7W11934.D	98
V7W431-BS	7W12103.D	108
V7W431-BSD	7W12104.D	108
V7W431-MB	7W12106.D	100
V7W459-BS	7W13011.D	102
V7W459-BSD	7W13012.D	102
V7W459-MB	7W13014.D	88

Surrogate Compounds	Recovery Limits

Surrogate Recovery Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Method: TO-15	**Matrix:** AIR

Samples and QC shown here apply to the above method

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Surrogate Recovery Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Method: TO-15 (BY SIM) **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE8598-5	6W35385.D	100
JE8598-6	6W35386.D	101
JE8598-10	6W35387.D	100
JE8460-2DUP	6W35381.D	101
V6W1442-SCC	6W34754.D	93
V6W1452-SCC	6W35024.D	100
V6W1452-SCC	6W35025.D	100
V6W1468-BS	6W35365.D	99
V6W1468-BSD	6W35367.D	101
V6W1468-MB	6W35369.D	97
V6W1442-BS	6W34749.D	100
V6W1442-BSD	6W34750.D	101
V6W1442-MB	6W34753.D	95
V6W1452-BS	6W35015.D	102
V6W1452-BSD	6W35016.D	102
V6W1452-MB	6W35018.D	93

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2144-ICC2144
Lab FileID: 5W56002.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Calibration Files
0.04=5w55994.D 0.1 =5w55995.D 0.2 =5w55996.D 0.5 =5w56013.D
5 =5w56001.D 10 =5w56002.D 20 =5w56003.D 40 =5w56004.D
50 =5w56005.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.977	0.787	0.670	0.625	0.668	0.660	0.668	0.662	0.657	0.708	15.57
4) CHLORODIFLUOROMETHANE	0.238	0.334	0.322	0.311	0.335	0.337	0.340	0.341	0.340	0.322	10.26
5) CHLOROTRIFLUOROETHENE	1.580	1.575	1.612	1.516	1.684	1.682	1.723	1.697	1.692	1.640	4.34
6) DICHLORODIFLUOROMETHANE	3.163	3.254	3.326	3.153	3.357	3.302	3.232	3.015	2.854	3.184	5.09
7) PROPYLENE		0.956	0.805	0.746	0.796	0.801	0.794	0.765	0.747	0.801	8.36
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.576	3.452	3.526	3.321	3.461	3.344	3.143	2.765	2.545	3.237	11.05
9) FREON 114	4.396	4.557	4.599	4.436	4.572	4.312	3.985	3.389	3.065	4.146	13.48
10) CHLOROMETHANE	0.532	0.498	0.493	0.428	0.447	0.433	0.403	0.356	0.335	0.436	15.01
11) VINYL CHLORIDE	1.572	1.668	1.645	1.558	1.589	1.505	1.389	1.218	1.132	1.475	12.84
12) 1,3-BUTADIENE	1.234	1.132	1.077	0.975	1.020	0.981	0.906	0.807	0.755	0.987	15.37
13) n-BUTANE	2.771	2.383	2.498	2.095	2.079	1.960	1.805	1.562	1.452	2.067	20.92
14) BROMOMETHANE	1.889	1.805	1.717	1.602	1.657	1.569	1.472	1.325	1.239	1.586	13.45
15) CHLOROETHANE	0.810	0.779	0.741	0.702	0.680	0.638	0.600	0.541	0.507	0.667	15.62
16) DICHLOROFLUOROMETHANE	3.592	3.779	3.651	3.414	3.396	3.223	2.981	2.620	2.414	3.230	14.57
17) ACETONITRILE		1.364	1.664	1.246	1.237	1.166	1.087	0.960	0.882	1.201	20.35
18) ACROLEIN			0.690	0.625	0.539	0.521	0.491	0.440	0.410	0.531	18.66
19) FREON 123	3.961	3.873	3.863	3.681	3.730	3.507	3.270	2.875	2.643	3.489	13.39
20) FREON 123A	2.115	2.206	2.146	2.081	2.097	1.986	1.863	1.666	1.552	1.968	11.57
21) TRICHLOROFLUOROMETHANE	4.223	4.253	3.302	4.128	3.611	3.416	3.198	2.721	2.695	3.505	17.14
22) ISOPROPYL ALCOHOL			2.754	2.207	1.839	1.735	1.659	1.432	1.340	1.852	26.34
23) ACETONE											

			0.948	0.680	0.608	0.555	0.514	0.448	0.416	0.596	30.21
24)	PENTANE											
		1.138	1.064	0.992	0.901	0.931	0.901	0.864	0.832	0.807	0.937	11.67
25)	IODOMETHANE											
		2.657	2.712	2.701	2.722	2.875	2.851	2.829	2.779	2.741	2.763	2.70
26)	1,1-DICHLOROETHYLENE											
		1.065	0.968	0.946	0.906	0.928	0.909	0.883	0.850	0.831	0.921	7.55
27)	CARBON DISULFIDE											
		2.450	2.649	2.788	2.645	2.770	2.640	2.539	2.402	2.314	2.577	6.33
28)	ETHANOL											
					1.054	0.787	0.739	0.669	0.553	0.513	0.719	27.07
29)	BROMOETHENE											
		1.684	1.596	1.582	1.563	1.563	1.519	1.450	1.320	1.242	1.502	9.40
30)	ACRYLONITRILE											
		0.541	0.665	0.740	0.506	0.546	0.526	0.519	0.498	0.488	0.559	15.33
31)	METHYLENE CHLORIDE											
		1.155	0.991	0.974	0.931	0.897	0.854	0.825	0.778	0.748	0.906	13.81
32)	3-CHLOROPROPENE											
		0.288	0.370	0.429	0.400	0.437	0.431	0.422	0.404	0.389	0.397	11.65
33)	FREON 113											
		1.689	1.727	1.781	1.702	1.715	1.691	1.686	1.698	1.707	1.711	1.72
34)	TRANS-1,2-DICHLOROETHYLENE											
		0.954	0.971	1.007	0.951	0.982	0.975	0.962	0.949	0.941	0.966	2.11
35)	TERTIARY BUTYL ALCOHOL											
		1.434	1.519	1.548	1.588	1.695	1.669	1.645	1.527	1.412	1.560	6.36
36)	METHYL TERTIARY BUTYL ETHER											
		2.016	2.086	2.189	2.200	2.485	2.479	2.472	2.389	2.331	2.294	7.76
37)	TETRAHYDROFURAN											
			0.219	0.278	0.335	0.421	0.426	0.425	0.409	0.401	0.364	21.63
38)	HEXANE											
		1.169	1.134	1.164	1.192	1.350	1.360	1.421	1.486	1.454	1.303	10.64
39)	VINYL ACETATE											
			0.050	0.095	0.165	0.174	0.186	0.182	0.179	0.147	36.06
40)	1,1-DICHLOROETHANE											
		1.687	1.610	1.702	1.661	1.740	1.670	1.647	1.576	1.536	1.648	3.88
41)	METHYL ETHYL KETONE											
			0.220	0.293	0.336	0.420	0.432	0.430	0.414	0.405	0.369	21.16
42)	cis-1,2-DICHLOROETHYLENE											
		1.362	0.963	1.020	0.995	1.031	1.024	1.034	1.016	1.004	1.050	11.35
43)	DIISOPROPYL ETHER											
			0.290	0.335	0.355	0.407	0.411	0.428	0.449	0.442	0.390	14.52
44)	ETHYL ACETATE											
			0.197	0.245	0.303	0.307	0.304	0.301	0.292	0.278	15.07
45)	METHYL ACRYLATE											
			1.082	1.239	1.690	1.694	1.734	1.743	1.687	1.553	17.55
46)	CHLOROFORM											
		2.326	2.338	2.340	2.187	2.283	2.208	2.133	2.023	1.965	2.200	6.28
47)	2,4-DIMETHYLPENTANE											
		1.237	1.183	1.241	1.320	1.534	1.555	1.551	1.519	1.496	1.404	11.07
48)	1,1,1-TRICHLOROETHANE											
		2.131	2.291	2.342	2.223	2.346	2.312	2.320	2.286	2.257	2.279	2.99
49)	CARBON TETRACHLORIDE											
		2.320	2.445	2.497	2.385	2.605	2.596	2.619	2.595	2.562	2.514	4.31
50)	1,2-DICHLOROETHANE											
		1.108	1.296	1.393	1.321	1.419	1.394	1.403	1.378	1.365	1.342	7.17
51)	I 1,4-DIFLUOROBENZENE	----------	----------	ISTD	----------	----------						
52)	BENZENE											
		0.590	0.631	0.613	0.596	0.647	0.654	0.680	0.698	0.704	0.646	6.53
53)	CYCLOHEXANE											

		0.233	0.221	0.212	0.230	0.262	0.268	0.276	0.281	0.285	0.252	11.13
54)	2,3-DIMETHYLPENTANE											
		0.094	0.114	0.125	0.116	0.134	0.137	0.142	0.150	0.154	0.129	14.76
55)	TRICHLOROETHYLENE											
		0.326	0.308	0.306	0.323	0.337	0.337	0.360	0.397	0.407	0.345	10.59
56)	1,2-DICHLOROPROPANE											
		0.256	0.251	0.244	0.243	0.254	0.257	0.265	0.282	0.284	0.260	5.71
57)	DIBROMOMETHANE											
		0.390	0.352	0.354	0.317	0.337	0.347	0.375	0.422	0.445	0.371	11.13
58)	ETHYL ACRYLATE											
			0.272	0.306	0.451	0.470	0.487	0.497	0.496		0.426	22.41
59)	BROMODICHLOROMETHANE											
		0.571	0.566	0.588	0.559	0.605	0.609	0.633	0.670	0.683	0.609	7.35
60)	2,2,4-TRIMETHYLPENTANE											
		0.797	0.829	0.804	0.868	0.997	0.992	1.007	1.038	1.023	0.928	10.90
61)	1,4-DIOXANE											
			0.104	0.108	0.145	0.163	0.164	0.171	0.181	0.185	0.153	20.48
62)	HEPTANE											
		0.250	0.287	0.298	0.318	0.367	0.368	0.377	0.391	0.393	0.339	15.24
63)	METHYL METHACRYLATE											
			0.123	0.151	0.177	0.224	0.231	0.240	0.242	0.246	0.204	23.20
64)	METHYL ISOBUTYL KETONE											
			0.104	0.127	0.188	0.193	0.202	0.210	0.214		0.177	24.46
65)	cis-1,3-DICHLOROPROPENE											
		0.271	0.312	0.322	0.351	0.423	0.442	0.469	0.499	0.510	0.400	21.92
66)	TOLUENE											
		0.377	0.370	0.379	0.414	0.487	0.502	0.532	0.563	0.576	0.467	17.76
67)	1,3-DICHLOROPROPANE											
		0.286	0.341	0.358	0.378	0.419	0.419	0.429	0.435	0.440	0.390	13.48
68)	trans-1,3-DICHLOROPROPENE											
			0.289	0.285	0.303	0.393	0.415	0.447	0.474	0.486	0.387	21.61
69)	1,1,2-TRICHLOROETHANE											
		0.200	0.267	0.262	0.253	0.276	0.283	0.295	0.311	0.318	0.274	12.81
70)	I CHLOROBENZENE-D5	----------ISTD----------										
71)	2-HEXANONE											
			0.204	0.385	0.542	0.545	0.527	0.475	0.457		0.448	27.18
72)	ETHYL METHACRYLATE											
			0.443	0.569	0.819	0.809	0.771	0.687	0.655		0.679	20.27
73)	TETRACHLOROETHYLENE											
		0.708	0.734	0.726	0.730	0.734	0.720	0.701	0.653	0.640	0.705	4.98
74)	DIBROMOCHLOROMETHANE											
		1.062	1.206	1.262	1.232	1.378	1.356	1.308	1.184	1.134	1.236	8.33
75)	1,2-DIBROMOETHANE											
		0.805	0.873	0.931	0.953	1.033	1.008	0.963	0.869	0.842	0.920	8.39
76)	OCTANE											
		0.743	0.734	0.766	0.854	1.046	1.024	0.989	0.893	0.841	0.877	13.72
77)	1,1,1,2-TETRACHLOROETHANE											
		0.793	0.818	0.820	0.825	0.874	0.859	0.866	0.829	0.805	0.832	3.36
78)	CHLOROBENZENE											
		1.358	1.433	1.499	1.416	1.448	1.406	1.369	1.256	1.199	1.376	6.89
79)	ETHYLBENZENE											
		1.562	1.692	1.684	1.813	2.113	2.097	2.006	1.764	1.659	1.821	11.11
80)	m,p-XYLENE											
		0.554	0.598	0.643	0.738	0.871	0.853	0.822	0.756	0.733	0.730	15.35
81)	o-XYLENE											
		0.500	0.561	0.606	0.722	0.846	0.828	0.816	0.771	0.738	0.710	17.63
82)	STYRENE											
			0.719	0.769	0.890	1.253	1.258	1.222	1.100	1.066	1.035	20.94
83)	NONANE											

Initial Calibration Summary

Job Number: JE8598 **Sample:** V5W2144-ICC2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56002.D
Project: BECOS Former Griffiss AFB, Rome, NY

```
           0.699 0.724 0.785 0.906 1.124 1.084 1.027 0.912 0.858   0.902   16.93
 84)  BROMOFORM
           1.027 1.057 1.156 1.208 1.364 1.353 1.315 1.218 1.176   1.208    9.98
 85)  4-BROMOFLUOROBENZENE
           1.274 1.279 1.295 1.292 1.273 1.211 1.104 0.958 0.916   1.178   12.68
 86)  1,1,2,2-TETRACHLOROETHANE
           1.204 1.402 1.411 1.418 1.491 1.435 1.391 1.267 1.175   1.355    8.18
 87)  1,2,3-TRICHLOROPROPANE
           0.913 0.995 1.000 1.022 1.025 0.967 0.896 0.788 0.755   0.929   10.79
 88)  ISOPROPYLBENZENE
           1.933 2.029 2.044 2.220 2.515 2.466 2.348 2.065 1.936   2.173   10.26
 89)  BROMOBENZENE
           1.022 1.172 1.154 1.166 1.238 1.188 1.121 1.007 0.963   1.115    8.48
 90)  2-CHLOROTOLUENE
                 0.496 0.513 0.576 0.690 0.676 0.655 0.602 0.594   0.600   11.93
 91)  n-PROPYLBENZENE
           0.448 0.447 0.481 0.588 0.713 0.692 0.658 0.599 0.582   0.579   17.48
 92)  4-ETHYLTOLUENE
                 1.603 1.702 2.003 2.544 2.437 2.321 2.003 1.853   2.058   16.74
 93)  1,3,5-TRIMETHYLBENZENE
           1.268 1.397 1.511 1.791 2.084 2.012 1.915 1.686 1.572   1.693   16.57
 94)  ALPHA-METHYLSTYRENE
                 0.607 0.636 0.818 1.106 1.098 1.065 0.976 0.947   0.907   22.01
 95)  tert-BUTYLBENZENE
                 0.296 0.309 0.377 0.473 0.474 0.483 0.463 0.446   0.415   18.56
 96)  1,2,4-TRIMETHYLBENZENE
                 1.362 1.466 1.875 2.218 2.169 2.131 1.853 1.673   1.843   17.55
 97)  m-DICHLOROBENZENE
           1.403 1.370 1.449 1.615 1.722 1.681 1.653 1.492 1.400   1.532    8.90
 98)  BENZYL CHLORIDE
                       1.410 1.571 2.053 2.060 2.049 1.825 1.654   1.803   14.67
 99)  p-DICHLOROBENZENE
           1.326 1.405 1.392 1.590 1.647 1.554 1.482 1.319 1.245   1.440    9.49
100)  sec-BUTYLBENZENE
                 0.381 0.418 0.492 0.593 0.567 0.541 0.498 0.481   0.496   14.41
101)  1,2,3-TRIMETHYLBENZENE
           1.312 1.441 1.556 1.930 2.235 2.172 2.087 1.870 1.720   1.814   18.12
102)  p-ISOPROPYLTOLUENE
                 0.412 0.487 0.607 0.691 0.666 0.651 0.612 0.585   0.589   16.06
103)  o-DICHLOROBENZENE
           1.313 1.326 1.389 1.616 1.573 1.493 1.412 1.263 1.200   1.398   10.02
104)  n-BUTYLBENZENE
                 0.361 0.407 0.524 0.668 0.657 0.647 0.607 0.588   0.557   20.99
105)  HEXACHLOROETHANE
           0.838 0.941 0.934 0.967 1.124 1.100 1.117 1.022 0.941   0.998    9.91
106)  HEXACHLOROBUTADIENE
           1.315 1.202 1.218 1.278 1.408 1.431 1.538 1.424 1.306   1.347    8.23
107)  1,2,4-TRICHLOROBENZENE
           1.497 1.146 1.068 1.625 1.358 1.308 1.281 1.223 1.180   1.298   13.51
108)  NAPHTHALENE
           3.232 2.218 2.169 3.940 3.184 3.078 2.884 2.360 2.102   2.796   22.39

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
                       6.790 5.925 6.087 5.865 5.693 5.390 5.242   5.856    8.68
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2144.M         Thu Jan 09 19:07:44 2025
```

Initial Calibration Verification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2144-ICV2144
Lab FileID: 5W56014.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w56014.D Vial: 4
Acq On : 9 Jan 2025 3:42 pm Operator: thomash
Sample : icv2144-10 Inst : GCMS5W
Misc : MS88386,V5W2144,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	98	0.00	7.66
2	FREON 115		----------NA----------				
3	FREON 152A	0.708	0.652	7.9	97	0.00	3.53
4	CHLORODIFLUOROMETHANE	0.322	0.331	-2.8	96	0.00	3.56
5	CHLOROTRIFLUOROETHENE	1.640	1.648	-0.5	96	0.00	3.59
6	DICHLORODIFLUOROMETHANE	3.184	3.248	-2.0	97	0.00	3.64
7	PROPYLENE	0.801	0.777	3.0	95	0.00	3.58
8	1-CHLORO-1,1-DIFLUOROETHA	3.237	3.303	-2.0	97	0.00	3.74
9	FREON 114	4.146	4.305	-3.8	98	0.00	3.83
10	CHLOROMETHANE	0.436	0.426	2.3	97	0.00	3.75
11	VINYL CHLORIDE	1.475	1.488	-0.9	97	0.00	3.91
12	1,3-BUTADIENE	0.987	0.967	2.0	97	0.00	4.01
13	n-BUTANE	2.067	1.974	4.5	99	0.00	4.05
14	BROMOMETHANE	1.586	1.560	1.6	98	0.00	4.21
15	CHLOROETHANE	0.667	0.641	3.9	99	0.00	4.33
16	DICHLOROFLUOROMETHANE	3.230	3.276	-1.4	100	0.00	4.40
17	ACETONITRILE	1.201	1.220	-1.6	103	0.00	4.60
18	ACROLEIN	0.531	0.544	-2.4	102	0.00	4.70
19	FREON 123	3.489	3.421	1.9	96	0.00	4.71
20	FREON 123A	1.968	1.825	7.3	90	0.00	4.76
21	TRICHLOROFLUOROMETHANE	3.505	3.705	-5.7	106	0.00	4.92
22	ISOPROPYL ALCOHOL	1.852	1.809	2.3	102	0.00	5.01
23	ACETONE	0.596	0.564	5.4	100	0.00	4.80
24	PENTANE	0.937	0.897	4.3	98	0.00	5.21
25	IODOMETHANE	2.763	2.800	-1.3	96	0.00	5.40
26	1,1-DICHLOROETHYLENE	0.921	0.907	1.5	98	0.00	5.46
27	CARBON DISULFIDE	2.577	2.803	-8.8	104	0.00	5.83
28	ETHANOL	0.719	0.621	13.6	82	0.00	4.43
29	BROMOETHENE	1.502	1.509	-0.5	97	0.00	4.60
30	ACRYLONITRILE	0.559	0.534	4.5	100	0.00	5.19
31	METHYLENE CHLORIDE	0.906	0.877	3.2	101	0.00	5.57
32	3-CHLOROPROPENE	0.397	0.429	-8.1	98	0.00	5.67
33	FREON 113	1.711	1.724	-0.8	100	0.00	5.80
34	TRANS-1,2-DICHLOROETHYLEN	0.966	0.989	-2.4	100	0.00	6.43
35	TERTIARY BUTYL ALCOHOL	1.560	1.848	-18.5	109	0.00	5.52
36	METHYL TERTIARY BUTYL ETH	2.294	2.476	-7.9	98	0.00	6.69
37	TETRAHYDROFURAN	0.364	0.431	-18.4	99	0.00	8.23
38	HEXANE	1.303	1.338	-2.7	97	0.00	7.69
39	VINYL ACETATE	0.147	0.180	-22.4	102	0.00	6.79
40	1,1-DICHLOROETHANE	1.648	1.660	-0.7	98	0.00	6.63
41	METHYL ETHYL KETONE	0.369	0.427	-15.7	97	0.00	7.04
42	cis-1,2-DICHLOROETHYLENE	1.050	1.019	3.0	98	0.00	7.48

Initial Calibration Verification

Job Number: JE8598 **Sample:** V5W2144-ICV2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56014.D
Project: BECOS Former Griffiss AFB, Rome, NY

43		DIISOPROPYL ETHER	0.390	0.407	-4.4	97	0.00	7.70
44		ETHYL ACETATE	0.278	0.308	-10.8	98	0.00	7.73
45		METHYL ACRYLATE	1.553	1.716	-10.5	99	0.00	7.72
46		CHLOROFORM	2.200	2.262	-2.8	101	0.00	7.80
47		2,4-DIMETHYLPENTANE	1.404	1.548	-10.3	98	0.00	8.65
48		1,1,1-TRICHLOROETHANE	2.279	2.361	-3.6	100	0.00	8.86
49		CARBON TETRACHLORIDE	2.514	2.577	-2.5	97	0.00	9.55
50		1,2-DICHLOROETHANE	1.342	1.398	-4.2	98	0.00	8.59
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	9.82
52		BENZENE	0.646	0.658	-1.9	99	0.00	9.38
53		CYCLOHEXANE	0.252	0.265	-5.2	97	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.129	0.135	-4.7	97	0.00	9.99
55		TRICHLOROETHYLENE	0.345	0.337	2.3	98	0.00	10.64
56		1,2-DICHLOROPROPANE	0.260	0.257	1.2	98	0.00	10.35
57		DIBROMOMETHANE	0.371	0.352	5.1	100	0.00	10.32
58		ETHYL ACRYLATE	0.426	0.475	-11.5	99	0.00	10.40
59		BROMODICHLOROMETHANE	0.609	0.614	-0.8	99	0.00	10.59
60		2,2,4-TRIMETHYLPENTANE	0.928	0.980	-5.6	97	0.00	10.67
61		1,4-DIOXANE	0.153	0.158	-3.3	95	0.00	10.66
62		HEPTANE	0.339	0.363	-7.1	97	0.00	11.02
63		METHYL METHACRYLATE	0.204	0.233	-14.2	99	0.00	10.92
64		METHYL ISOBUTYL KETONE	0.177	0.194	-9.6	99	0.00	11.78
65		cis-1,3-DICHLOROPROPENE	0.400	0.415	-3.7	92	0.00	11.72
66		TOLUENE	0.467	0.500	-7.1	98	0.00	12.95
67		1,3-DICHLOROPROPANE	0.390	0.427	-9.5	100	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.387	0.416	-7.5	99	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.274	0.287	-4.7	100	0.00	12.60
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	15.34
71		2-HEXANONE	0.448	0.548	-22.3	99	0.00	13.35
72		ETHYL METHACRYLATE	0.679	0.836	-23.1	102	0.00	13.38
73		TETRACHLOROETHYLENE	0.705	0.732	-3.8	100	0.00	14.46
74		DIBROMOCHLOROMETHANE	1.236	1.384	-12.0	100	0.00	13.50
75		1,2-DIBROMOETHANE	0.920	1.021	-11.0	100	0.00	13.82
76		OCTANE	0.877	1.021	-16.4	98	0.00	14.32
77		1,1,1,2-TETRACHLOROETHANE	0.832	0.869	-4.4	100	0.00	15.38
78		CHLOROBENZENE	1.376	1.412	-2.6	99	0.00	15.40
79		ETHYLBENZENE	1.821	2.111	-15.9	99	0.00	15.95
80		m,p-XYLENE	0.730	0.858	-17.5	99	0.00	16.23
81		o-XYLENE	0.710	0.833	-17.3	99	0.00	16.89
82		STYRENE	1.035	1.239	-19.7	97	0.00	16.74
83		NONANE	0.902	1.082	-20.0	98	0.00	17.30
84		BROMOFORM	1.208	1.359	-12.5	99	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.178	1.218	-3.4	99	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.355	1.488	-9.8	102	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.929	1.003	-8.0	102	0.00	17.09
88		ISOPROPYLBENZENE	2.173	2.504	-15.2	100	0.00	17.81
89		BROMOBENZENE	1.115	1.234	-10.7	102	0.00	17.90
90		2-CHLOROTOLUENE	0.600	0.703	-17.2	102	0.00	18.54
91		n-PROPYLBENZENE	0.579	0.703	-21.4	100	0.00	18.63
92		4-ETHYLTOLUENE	2.058	2.452	-19.1	99	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.693	2.044	-20.7	100	0.00	19.00
94		ALPHA-METHYLSTYRENE	0.907	1.079	-19.0	97	0.00	19.25
95		tert-BUTYLBENZENE	0.415	0.490	-18.1	102	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.843	2.221	-20.5	101	0.00	19.62
97		m-DICHLOROBENZENE	1.532	1.754	-14.5	103	0.00	19.81
98		BENZYL CHLORIDE	1.803	2.284	-26.7	109	0.00	19.81
99		p-DICHLOROBENZENE	1.440	1.599	-11.0	101	0.00	19.92
100		sec-BUTYLBENZENE	0.496	0.585	-17.9	102	0.00	20.01

Initial Calibration Verification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2144-ICV2144
Lab FileID: 5W56014.D

101		1,2,3-TRIMETHYLBENZENE	1.814	2.235	-23.2	101	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.589	0.700	-18.8	103	0.00	20.26
103		o-DICHLOROBENZENE	1.398	1.543	-10.4	102	0.00	20.40
104		n-BUTYLBENZENE	0.557	0.673	-20.8	101	0.00	20.85
105		HEXACHLOROETHANE	0.998	1.043	-4.5	93	0.00	21.31
106		HEXACHLOROBUTADIENE	1.347	1.507	-11.9	104	-0.02	23.35
107		1,2,4-TRICHLOROBENZENE	1.298	1.409	-8.6	106	-0.01	23.21
108		NAPHTHALENE	2.796	3.506	-25.4	112	-0.02	22.87
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	7.66
110		TVHC as equiv Pentane	5.856	5.722	2.3	96	0.00	5.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0

5w56002.D M5w2144.M Thu Jan 09 19:07:14 2025

Continuing Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V5W2159-CC2144
Lab FileID: 5W56371.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...025\v5w2159\5w56371.D Vial: 2
Acq On : 24 Jan 2025 9:35 am Operator: williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	93	0.00	7.65
2	FREON 115		----------NA----------				
3	FREON 152A	0.708	0.690	2.5	97	0.00	3.53
4	CHLORODIFLUOROMETHANE	0.322	0.307	4.7	85	0.00	3.56
5	CHLOROTRIFLUOROETHENE	1.640	1.757	-7.1	97	0.00	3.59
6	DICHLORODIFLUOROMETHANE	3.184	3.078	3.3	86	0.00	3.64
7	PROPYLENE	0.801	1.061	-32.5#	123	0.00	3.58
8	1-CHLORO-1,1-DIFLUOROETHA	3.237	2.824	12.8	78	0.00	3.74
9	FREON 114	4.146	3.454	16.7	74	0.00	3.82
10	CHLOROMETHANE	0.436	0.498	-14.2	107	0.00	3.75
11	VINYL CHLORIDE	1.475	1.344	8.9	83	0.00	3.91
12	1,3-BUTADIENE	0.987	1.038	-5.2	98	0.00	4.01
13	n-BUTANE	2.067	2.273	-10.0	107	0.00	4.05
14	BROMOMETHANE	1.586	1.316	17.0	78	0.00	4.21
15	CHLOROETHANE	0.667	0.539	19.2	78	0.00	4.33
16	DICHLOROFLUOROMETHANE	3.230	2.541	21.3	73	0.00	4.40
17	ACETONITRILE	1.201	1.386	-15.4	110	0.00	4.60
18	ACROLEIN	0.531	0.525	1.1	94	0.00	4.69
19	FREON 123	3.489	2.702	22.6	71	0.00	4.71
20	FREON 123A	1.968	1.663	15.5	78	0.00	4.76
21	TRICHLOROFLUOROMETHANE	3.505	3.307	5.6	90	0.00	4.92
22	ISOPROPYL ALCOHOL	1.852	2.327	-25.6	124	0.00	5.00
23	ACETONE	0.596	0.543	8.9	91	0.00	4.80
24	PENTANE	0.937	1.168	-24.7	120	0.00	5.21
25	IODOMETHANE	2.763	2.926	-5.9	95	0.00	5.39
26	1,1-DICHLOROETHYLENE	0.921	0.902	2.1	92	0.00	5.46
27	CARBON DISULFIDE	2.577	2.522	2.1	89	0.00	5.83
28	ETHANOL	0.719	0.807	-12.2	101	0.00	4.43
29	BROMOETHENE	1.502	1.252	16.6	76	0.00	4.60
30	ACRYLONITRILE	0.559	0.697	-24.7	123	0.00	5.18
31	METHYLENE CHLORIDE	0.906	0.824	9.1	89	0.00	5.56
32	3-CHLOROPROPENE	0.397	0.413	-4.0	89	0.00	5.67
33	FREON 113	1.711	1.686	1.5	92	0.00	5.80
34	TRANS-1,2-DICHLOROETHYLEN	0.966	0.982	-1.7	93	0.00	6.43
35	TERTIARY BUTYL ALCOHOL	1.560	1.866	-19.6	104	0.00	5.52
36	METHYL TERTIARY BUTYL ETH	2.294	2.335	-1.8	87	0.00	6.68
37	TETRAHYDROFURAN	0.364	0.403	-10.7	88	0.00	8.22
38	HEXANE	1.303	1.599	-22.7	109	0.00	7.68
39	VINYL ACETATE	0.147	0.181	-23.1	96	0.00	6.78
40	1,1-DICHLOROETHANE	1.648	1.789	-8.6	99	0.00	6.62
41	METHYL ETHYL KETONE	0.369	0.402	-8.9	86	0.00	7.03
42	cis-1,2-DICHLOROETHYLENE	1.050	1.050	0.0	95	0.00	7.47

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V5W2159-CC2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56371.D
Project: BECOS Former Griffiss AFB, Rome, NY

43		DIISOPROPYL ETHER	0.390	0.463	-18.7	104	0.00	7.69
44		ETHYL ACETATE	0.278	0.324	-16.5	98	0.00	7.72
45		METHYL ACRYLATE	1.553	2.071	-33.4#	113	0.00	7.71
46		CHLOROFORM	2.200	2.075	5.7	87	0.00	7.79
47		2,4-DIMETHYLPENTANE	1.404	1.827	-30.1#	109	0.00	8.64
48		1,1,1-TRICHLOROETHANE	2.279	2.181	4.3	87	0.00	8.86
49		CARBON TETRACHLORIDE	2.514	2.474	1.6	88	0.00	9.55
50		1,2-DICHLOROETHANE	1.342	1.411	-5.1	94	0.00	8.59
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	95	0.00	9.82
52		BENZENE	0.646	0.615	4.8	90	0.00	9.38
53		CYCLOHEXANE	0.252	0.252	0.0	89	0.00	9.68
54		2,3-DIMETHYLPENTANE	0.129	0.124	3.9	87	0.00	9.98
55		TRICHLOROETHYLENE	0.345	0.326	5.5	92	0.00	10.64
56		1,2-DICHLOROPROPANE	0.260	0.267	-2.7	99	0.00	10.34
57		DIBROMOMETHANE	0.371	0.344	7.3	95	0.00	10.32
58		ETHYL ACRYLATE	0.426	0.574	-34.7#	116	0.00	10.39
59		BROMODICHLOROMETHANE	0.609	0.560	8.0	88	0.00	10.59
60		2,2,4-TRIMETHYLPENTANE	0.928	1.126	-21.3	108	0.00	10.67
61		1,4-DIOXANE	0.153	0.160	-4.6	93	0.00	10.65
62		HEPTANE	0.339	0.471	-38.9#	122	0.00	11.02
63		METHYL METHACRYLATE	0.204	0.220	-7.8	91	0.00	10.92
64		METHYL ISOBUTYL KETONE	0.177	0.222	-25.4	110	0.00	11.77
65		cis-1,3-DICHLOROPROPENE	0.400	0.418	-4.5	90	0.00	11.71
66		TOLUENE	0.467	0.482	-3.2	91	0.00	12.94
67		1,3-DICHLOROPROPANE	0.390	0.393	-0.8	89	0.00	12.99
68		trans-1,3-DICHLOROPROPENE	0.387	0.393	-1.6	90	0.00	12.39
69		1,1,2-TRICHLOROETHANE	0.274	0.269	1.8	91	0.00	12.60
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	0.00	15.33
71		2-HEXANONE	0.448	0.674	-50.4#	111	0.00	13.34
72		ETHYL METHACRYLATE	0.679	0.815	-20.0	90	0.00	13.38
73		TETRACHLOROETHYLENE	0.705	0.722	-2.4	90	0.00	14.45
74		DIBROMOCHLOROMETHANE	1.236	1.375	-11.2	91	0.00	13.49
75		1,2-DIBROMOETHANE	0.920	1.081	-17.5	96	0.00	13.81
76		OCTANE	0.877	1.432	-63.3#	126	0.00	14.31
77		1,1,1,2-TETRACHLOROETHANE	0.832	0.869	-4.4	91	0.00	15.38
78		CHLOROBENZENE	1.376	1.450	-5.4	93	0.00	15.40
79		ETHYLBENZENE	1.821	2.158	-18.5	92	0.00	15.95
80		m,p-XYLENE	0.730	0.870	-19.2	92	0.00	16.22
81		o-XYLENE	0.710	0.840	-18.3	91	0.00	16.89
82		STYRENE	1.035	1.332	-28.7	95	0.00	16.74
83		NONANE	0.902	1.489	-65.1#	123	0.00	17.30
84		BROMOFORM	1.208	1.414	-17.1	94	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.178	1.304	-10.7	97	0.00	17.58
86		1,1,2,2-TETRACHLOROETHANE	1.355	1.460	-7.7	91	0.00	16.89
87		1,2,3-TRICHLOROPROPANE	0.929	0.958	-3.1	89	0.00	17.08
88		ISOPROPYLBENZENE	2.173	2.475	-13.9	90	0.00	17.81
89		BROMOBENZENE	1.115	1.204	-8.0	91	0.00	17.90
90		2-CHLOROTOLUENE	0.600	0.707	-17.8	94	0.00	18.53
91		n-PROPYLBENZENE	0.579	0.706	-21.9	92	0.00	18.63
92		4-ETHYLTOLUENE	2.058	2.487	-20.8	92	0.00	18.87
93		1,3,5-TRIMETHYLBENZENE	1.693	2.040	-20.5	91	0.00	19.00
94		ALPHA-METHYLSTYRENE	0.907	1.143	-26.0	94	0.00	19.25
95		tert-BUTYLBENZENE	0.415	0.476	-14.7	90	0.00	19.60
96		1,2,4-TRIMETHYLBENZENE	1.843	2.154	-16.9	89	0.00	19.62
97		m-DICHLOROBENZENE	1.532	1.693	-10.5	90	0.00	19.81
98		BENZYL CHLORIDE	1.803	2.076	-15.1	91	0.00	19.80
99		p-DICHLOROBENZENE	1.440	1.582	-9.9	91	0.00	19.92
100		sec-BUTYLBENZENE	0.496	0.570	-14.9	90	0.00	20.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V5W2159-CC2144
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 5W56371.D
Project: BECOS Former Griffiss AFB, Rome, NY

101		1,2,3-TRIMETHYLBENZENE	1.814	2.161	-19.1	89	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.589	0.674	-14.4	91	0.00	20.25
103		o-DICHLOROBENZENE	1.398	1.507	-7.8	91	0.00	20.39
104		n-BUTYLBENZENE	0.557	0.658	-18.1	90	0.00	20.85
105		HEXACHLOROETHANE	0.998	1.123	-12.5	92	0.00	21.31
106		HEXACHLOROBUTADIENE	1.347	1.380	-2.4	87	-0.02	23.34
107		1,2,4-TRICHLOROBENZENE	1.298	1.368	-5.4	94	-0.02	23.20
108		NAPHTHALENE	2.796	3.314	-18.5	97	-0.02	22.87
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	93	0.00	7.65
110		TVHC as equiv Pentane	5.856	7.299	-24.6	115	0.00	5.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w56002.D M5w2144.M Mon Jan 27 04:15:30 2025

6.9.3

6

Initial Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1441-ICC1441
Lab FileID: 6W34722.D

Response Factor Report GCMS6W

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

Calibration Files
.002=6w34736.D .005=6w34737.D 0.01=6w34738.D 0.02=6w34720.D
0.05=6w34721.D 0.10=6w34722.D 0.20=6w34723.D 0.50=6w34724.D
1.00=6w34730.D 5.00=6w34732.D = =

Compound	.002	.005	0.01	0.02	0.05	0.10	0.20	0.50	1.00	5.00	Avg	%RSD
1) I Bromochloromethane	----------ISTD----------											
2) Methylene Chloride				1.644	1.431	1.361	1.365	1.417	1.105		1.387	12.46
3) Vinyl Chloride	2.745	1.648	1.794	2.147	1.804	1.629	1.667	1.804	2.042	1.417	1.870	19.85
4) Chloroethane	1.631	2.058	1.672	1.294	1.231	1.171	1.169	1.180	1.192	1.069	1.367	23.07
5) 1,1-Dichloroethene	2.994	2.000	2.235	2.857	2.229	1.941	1.980	2.082	2.308	1.590	2.222	19.07
6) trans-1,2-Dichloroethene	2.513	2.670	2.691	2.600	2.689	2.639	2.668	2.646	2.600	2.556	2.627	2.25
7) 1,1-Dichloroethane	2.642	2.000	2.641	2.426	2.010	1.874	1.908	2.000	2.164	1.652	2.132	15.66
8) cis-1,2-Dichloroethene	2.114	1.448	1.388	1.545	1.497	1.498	1.509	1.483	1.490	1.439	1.541	13.35
9) Chloroform	2.618	2.801	2.482	2.831	2.316	2.269	2.341	2.376	2.437	2.067	2.454	9.72
10) 1,1,1-Trichloroethane	1.920	1.913	1.845	2.065	1.971	1.943	1.966	1.990	2.021	1.986	1.962	3.13
11) 1,2-Dichloroethane	1.902	1.963	2.194	1.976	1.986	1.919	1.903	1.936	1.938	1.779	1.950	5.31
12) Benzene		4.494	3.853	3.444	3.185	3.074	3.071	3.076	3.049	2.928	3.353	15.27
13) Carbon Tetrachloride	1.571	1.913	2.113	1.798	2.039	2.113	2.206	2.281	2.316	2.341	2.069	11.94
14) I 1,4-Difluorobenzene	----------ISTD----------											
15) Toluene			0.682	0.522	0.425	0.418	0.415	0.412	0.397	0.481	0.469	20.40
16) Trichloroethene	0.416	0.424	0.322	0.369	0.302	0.303	0.301	0.299	0.294	0.304	0.334	15.17
17) 1,2-Dichloropropane	0.096	0.116	0.082	0.078	0.072	0.072	0.069	0.071	0.070	0.073	0.080	18.72
18) Bromodichloromethane	0.513	0.450	0.461	0.434	0.449	0.441	0.445	0.450	0.449	0.480	0.457	5.03
19) cis-1,3-Dichloropropene	0.283	0.290	0.266	0.337	0.280	0.273	0.275	0.273	0.276	0.312	0.287	7.60
20) trans-1,3-Dichloropropene	0.330	0.278	0.273	0.260	0.243	0.239	0.239	0.232	0.237	0.291	0.262	11.89
21) 1,1,2-Trichloroethane	0.220	0.290	0.260	0.276	0.212	0.212	0.211	0.213	0.210	0.258	0.236	13.31
22) Dibromochloromethane	0.449	0.489	0.448	0.443	0.440	0.424	0.435	0.435	0.450	0.573	0.459	9.51
23) Tetrachloroethene												

Initial Calibration Summary

Job Number: JE8598 **Sample:** V6W1441-ICC1441
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 6W34722.D
Project: BECOS Former Griffiss AFB, Rome, NY

```
      0.494 0.557 0.535 0.539 0.505 0.493 0.487 0.486 0.485 0.530  0.511    5.24
24)  1,2-Dibromoethane
      0.489 0.442 0.410 0.432 0.435 0.393 0.432 0.435 0.437 0.483  0.439    6.61

25) I   Chlorobenzene-d5      ----------------ISTD--------------------
26)  Chlorobenzene
      2.009 1.900 1.958 1.470 1.475 1.497 1.497 1.501 1.456 1.487  1.625   14.15
27)  1,1,2,2-Tetrachloroethane
      1.477 1.418 1.436 1.210 1.279 1.320 1.334 1.357 1.349 1.373  1.355    5.72
28)  4-Bromofluorobenzene
      1.437 1.478 1.491 1.425 1.478 1.484 1.485 1.486 1.494 1.475  1.473    1.59
29)  1,3-Dichlorobenzene
            2.649 2.403 1.394 1.574 1.634 1.690 1.743 1.718 1.775  1.842   22.16
30)  1,4-Dichlorobenzene
            2.682 2.482 1.317 1.537 1.559 1.639 1.705 1.652 1.739  1.812   25.14
31)  1,2-Dichlorobenzene
            2.601 2.489 1.336 1.515 1.539 1.598 1.650 1.614 1.695  1.782   25.00
32)  Naphthalene
                        1.986 2.838 3.073 3.095 3.163 2.943 3.498  2.942   15.96
--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M6W1441.M         Sun Feb 16 23:57:28 2025
```

Initial Calibration Verification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1441-ICV1441
Lab FileID: 6W34746.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\6w34746.D Vial: 1
Acq On : 30 Jan 2025 2:42 pm Operator: benk
Sample : icv1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1441,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Bromochloromethane	1.000	1.000	0.0	98	0.00	3.28
2	T	Methylene Chloride	1.387	1.460	-5.3	100	0.00	2.36
3	T	Vinyl Chloride	1.870	1.570	16.0	95	0.00	1.77
4	T	Chloroethane	1.367	1.152	15.7	97	0.00	1.93
5	T	1,1-Dichloroethene	2.222	1.894	14.8	96	0.00	2.31
6	T	trans-1,2-Dichloroethene	2.627	2.716	-3.4	101	0.00	2.69
7	T	1,1-Dichloroethane	2.132	1.884	11.6	99	0.00	2.77
8	T	cis-1,2-Dichloroethene	1.541	1.501	2.6	99	0.00	3.18
9	T	Chloroform	2.454	2.282	7.0	99	0.00	3.33
10	T	1,1,1-Trichloroethane	1.962	1.964	-0.1	99	0.00	3.97
11	T	1,2-Dichloroethane	1.950	1.960	-0.5	101	0.00	3.76
12	T	Benzene	3.353	3.193	4.8	102	0.00	4.28
13	T	Carbon Tetrachloride	2.069	2.187	-5.7	102	0.00	4.41
14	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00	4.63
15	T	Toluene	0.469	0.430	8.3	101	0.00	7.46
16	T	Trichloroethene	0.334	0.306	8.4	99	0.00	5.23
17	T	1,2-Dichloropropane	0.080	0.070	12.5	96	0.00	4.99
18	T	Bromodichloromethane	0.457	0.465	-1.8	103	0.00	5.19
19	T	cis-1,3-Dichloropropene	0.287	0.280	2.4	101	0.00	6.22
20	T	trans-1,3-Dichloropropene	0.262	0.256	2.3	105	0.00	6.91
21	T	1,1,2-Trichloroethane	0.236	0.217	8.1	100	0.00	7.08
22	T	Dibromochloromethane	0.459	0.468	-2.0	108	0.00	8.04
23	T	Tetrachloroethene	0.511	0.496	2.9	99	0.00	9.25
24	T	1,2-Dibromoethane	0.439	0.448	-2.1	112	0.00	8.38
25	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	10.41
26	T	Chlorobenzene	1.625	1.550	4.6	101	0.00	10.49
27	T	1,1,2,2-Tetrachloroethane	1.355	1.363	-0.6	100	0.00	12.81
28	S	4-Bromofluorobenzene	1.473	1.502	-2.0	98	0.00	13.85
29	T	1,3-Dichlorobenzene	1.842	1.738	5.6	103	0.00	16.80
30	T	1,4-Dichlorobenzene	1.812	1.696	6.4	106	0.00	16.88
31	T	1,2-Dichlorobenzene	1.782	1.688	5.3	106	0.00	17.17
32	T	Naphthalene	2.942	3.712	-26.2	117	0.00	18.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6w34722.D M6W1441.M Mon Feb 17 14:24:14 2025

Continuing Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V6W1442-CC1441
Lab FileID: 6W34748.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...025\v6w1442\6w34748.D Vial: 1
Acq On : 30 Jan 2025 4:50 pm Operator: benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Bromochloromethane	1.000	1.000	0.0	97	0.00	3.28
2	T	Methylene Chloride	1.387	1.470	-6.0	100	0.00	2.36
3	T	Vinyl Chloride	1.870	1.689	9.7	100	0.00	1.77
4	T	Chloroethane	1.367	1.192	12.8	99	0.00	1.93
5	T	1,1-Dichloroethene	2.222	1.976	11.1	99	0.00	2.31
6	T	trans-1,2-Dichloroethene	2.627	2.738	-4.2	101	0.00	2.69
7	T	1,1-Dichloroethane	2.132	1.928	9.6	100	0.00	2.77
8	T	cis-1,2-Dichloroethene	1.541	1.526	1.0	99	0.00	3.18
9	T	Chloroform	2.454	2.336	4.8	100	0.00	3.33
10	T	1,1,1-Trichloroethane	1.962	1.979	-0.9	99	-0.03	3.94
11	T	1,2-Dichloroethane	1.950	1.981	-1.6	100	0.00	3.76
12	T	Benzene	3.353	3.191	4.8	101	0.00	4.28
13	T	Carbon Tetrachloride	2.069	2.199	-6.3	101	0.00	4.41
14	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00	4.63
15	T	Toluene	0.469	0.429	8.5	100	0.00	7.46
16	T	Trichloroethene	0.334	0.297	11.1	96	0.00	5.23
17	T	1,2-Dichloropropane	0.080	0.080	0.0	108	0.00	4.99
18	T	Bromodichloromethane	0.457	0.460	-0.7	102	0.00	5.19
19	T	cis-1,3-Dichloropropene	0.287	0.278	3.1	100	0.00	6.22
20	T	trans-1,3-Dichloropropene	0.262	0.254	3.1	104	0.00	6.91
21	T	1,1,2-Trichloroethane	0.236	0.219	7.2	101	0.00	7.08
22	T	Dibromochloromethane	0.459	0.507	-10.5	117	0.00	8.04
23	T	Tetrachloroethene	0.511	0.494	3.3	98	0.00	9.25
24	T	1,2-Dibromoethane	0.439	0.447	-1.8	111	0.00	8.38
25	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	10.41
26	T	Chlorobenzene	1.625	1.508	7.2	99	0.00	10.49
27	T	1,1,2,2-Tetrachloroethane	1.355	1.339	1.2	99	0.00	12.81
28	S	4-Bromofluorobenzene	1.473	1.490	-1.2	98	0.00	13.85
29	T	1,3-Dichlorobenzene	1.842	1.665	9.6	100	0.00	16.80
30	T	1,4-Dichlorobenzene	1.812	1.616	10.8	101	0.00	16.88
31	T	1,2-Dichlorobenzene	1.782	1.596	10.4	101	0.00	17.17
32	T	Naphthalene	2.942	3.061	-4.0	97	0.00	18.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6w34722.D M6W1441.M Thu Feb 27 04:49:37 2025

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V6W1452-CC1441
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 6W35013.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\6w35013.D Vial: 1
Acq On : 25 Feb 2025 12:35 pm Operator: thomash
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1452,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Bromochloromethane	1.000	1.000	0.0	101	0.00	3.28
2	T	Methylene Chloride	1.387	1.774	-27.9	126	0.00	2.36
3	T	Vinyl Chloride	1.870	1.861	0.5	116	0.00	1.77
4	T	Chloroethane	1.367	1.158	15.3	100	0.00	1.93
5	T	1,1-Dichloroethene	2.222	2.211	0.5	116	0.00	2.31
6	T	trans-1,2-Dichloroethene	2.627	2.527	3.8	97	0.00	2.69
7	T	1,1-Dichloroethane	2.132	1.851	13.2	100	0.00	2.77
8	T	cis-1,2-Dichloroethene	1.541	1.371	11.0	93	0.00	3.18
9	T	Chloroform	2.454	2.729	-11.2	122	0.00	3.33
10	T	1,1,1-Trichloroethane	1.962	2.227	-13.5	116	-0.03	3.94
11	T	1,2-Dichloroethane	1.950	2.021	-3.6	107	0.00	3.76
12	T	Benzene	3.353	3.355	-0.1	111	0.00	4.28
13	T	Carbon Tetrachloride	2.069	2.663	-28.7	128	0.00	4.41
14	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00	4.63
15	T	Toluene	0.469	0.505	-7.7	121	0.00	7.46
16	T	Trichloroethene	0.334	0.339	-1.5	112	0.00	5.23
17	T	1,2-Dichloropropane	0.080	0.071	11.3	99	0.00	4.99
18	T	Bromodichloromethane	0.457	0.521	-14.0	118	0.00	5.19
19	T	cis-1,3-Dichloropropene	0.287	0.275	4.2	100	0.00	6.22
20	T	trans-1,3-Dichloropropene	0.262	0.259	1.1	109	0.00	6.91
21	T	1,1,2-Trichloroethane	0.236	0.239	-1.3	113	0.00	7.08
22	T	Dibromochloromethane	0.459	0.497	-8.3	117	0.00	8.04
23	T	Tetrachloroethene	0.511	0.539	-5.5	109	0.00	9.25
24	T	1,2-Dibromoethane	0.439	0.453	-3.2	115	0.00	8.38
25	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00	10.41
26	T	Chlorobenzene	1.625	1.679	-3.3	101	0.00	10.49
27	T	1,1,2,2-Tetrachloroethane	1.355	1.492	-10.1	102	0.00	12.81
28	S	4-Bromofluorobenzene	1.473	1.504	-2.1	91	0.00	13.85
29	T	1,3-Dichlorobenzene	1.842	1.808	1.8	99	0.00	16.80
30	T	1,4-Dichlorobenzene	1.812	1.742	3.9	100	0.00	16.88
31	T	1,2-Dichlorobenzene	1.782	1.718	3.6	100	0.00	17.17
32	T	Naphthalene	2.942	2.988	-1.6	87	0.00	18.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6w34722.D M6W1441.M Wed Feb 26 13:58:15 2025

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V6W1468-CC1441
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 6W35364.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...025\v6w1468\6w35364.D Vial: 1
Acq On : 4 Apr 2025 5:04 pm Operator: benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Bromochloromethane	1.000	1.000	0.0	104	0.00	3.28
2	T	Methylene Chloride	1.387	1.677	-20.9	122	0.00	2.36
3	T	Vinyl Chloride	1.870	1.536	17.9	99	0.00	1.77
4	T	Chloroethane	1.367	1.197	12.4	107	0.00	1.93
5	T	1,1-Dichloroethene	2.222	1.996	10.2	107	0.00	2.31
6	T	trans-1,2-Dichloroethene	2.627	2.781	-5.9	110	0.00	2.69
7	T	1,1-Dichloroethane	2.132	1.852	13.1	103	0.00	2.77
8	T	cis-1,2-Dichloroethene	1.541	1.656	-7.5	115	0.00	3.18
9	T	Chloroform	2.454	2.551	-4.0	117	0.00	3.33
10	T	1,1,1-Trichloroethane	1.962	1.835	6.5	99	-0.03	3.94
11	T	1,2-Dichloroethane	1.950	2.073	-6.3	113	0.00	3.76
12	T	Benzene	3.353	3.537	-5.5	120	0.00	4.28
13	T	Carbon Tetrachloride	2.069	2.293	-10.8	113	0.00	4.41
14	I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00	4.63
15	T	Toluene	0.469	0.484	-3.2	123	0.00	7.46
16	T	Trichloroethene	0.334	0.334	0.0	117	0.00	5.23
17	T	1,2-Dichloropropane	0.080	0.068	15.0	100	0.00	4.99
18	T	Bromodichloromethane	0.457	0.444	2.8	107	0.00	5.19
19	T	cis-1,3-Dichloropropene	0.287	0.239	16.7	93	0.00	6.22
20	T	trans-1,3-Dichloropropene	0.262	0.200	23.7	89	0.00	6.91
21	T	1,1,2-Trichloroethane	0.236	0.230	2.5	116	0.00	7.08
22	T	Dibromochloromethane	0.459	0.389	15.3	98	0.00	8.04
23	T	Tetrachloroethene	0.511	0.614	-20.2	133	0.00	9.25
24	T	1,2-Dibromoethane	0.439	0.441	-0.5	119	0.00	8.38
25	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00	10.41
26	T	Chlorobenzene	1.625	1.904	-17.2	122	0.00	10.49
27	T	1,1,2,2-Tetrachloroethane	1.355	1.510	-11.4	110	0.00	12.81
28	S	4-Bromofluorobenzene	1.473	1.466	0.5	95	0.00	13.85
29	T	1,3-Dichlorobenzene	1.842	2.173	-18.0	127	0.00	16.80
30	T	1,4-Dichlorobenzene	1.812	2.103	-16.1	129	0.00	16.88
31	T	1,2-Dichlorobenzene	1.782	2.079	-16.7	129	0.00	17.18
32	T	Naphthalene	2.942	4.255	-44.6#	133	0.01	18.49

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6w34722.D M6W1441.M Mon Apr 07 01:28:01 2025

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V6W1468-ECC1441
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 6W35388.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...025\v6w1468\6w35388.D Vial: 2
Acq On : 5 Apr 2025 10:25 am Operator: benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode
Last Update : Sun Feb 16 02:04:55 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Bromochloromethane	1.000	1.000	0.0	103	0.00	3.28
2	T	Methylene Chloride	1.387	1.759	-26.8	127	0.00	2.36
3	T	Vinyl Chloride	1.870	1.817	2.8	115	0.00	1.77
4	T	Chloroethane	1.367	1.252	8.4	111	0.00	1.93
5	T	1,1-Dichloroethene	2.222	2.194	1.3	117	0.00	2.31
6	T	trans-1,2-Dichloroethene	2.627	2.828	-7.7	111	0.00	2.69
7	T	1,1-Dichloroethane	2.132	1.973	7.5	109	0.00	2.77
8	T	cis-1,2-Dichloroethene	1.541	1.597	-3.6	110	0.00	3.18
9	T	Chloroform	2.454	2.547	-3.8	116	0.00	3.33
10	T	1,1,1-Trichloroethane	1.962	2.010	-2.4	107	0.00	3.97
11	T	1,2-Dichloroethane	1.950	2.138	-9.6	115	0.00	3.76
12	T	Benzene	3.353	3.643	-8.6	123	0.00	4.28
13	T	Carbon Tetrachloride	2.069	2.331	-12.7	114	0.00	4.41
14	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00	4.63
15	T	Toluene	0.469	0.548	-16.8	138	0.00	7.46
16	T	Trichloroethene	0.334	0.346	-3.6	120	0.00	5.23
17	T	1,2-Dichloropropane	0.080	0.073	8.8	107	0.00	4.99
18	T	Bromodichloromethane	0.457	0.446	2.4	106	0.00	5.19
19	T	cis-1,3-Dichloropropene	0.287	0.248	13.6	96	0.00	6.22
20	T	trans-1,3-Dichloropropene	0.262	0.227	13.4	100	0.00	6.91
21	T	1,1,2-Trichloroethane	0.236	0.263	-11.4	130	0.00	7.08
22	T	Dibromochloromethane	0.459	0.429	6.5	106	0.00	8.04
23	T	Tetrachloroethene	0.511	0.639	-25.0	136	0.03	9.28
24	T	1,2-Dibromoethane	0.439	0.469	-6.8	126	0.00	8.38
25	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00	10.41
26	T	Chlorobenzene	1.625	1.997	-22.9	124	0.00	10.49
27	T	1,1,2,2-Tetrachloroethane	1.355	1.569	-15.8	111	0.00	12.81
28	S	4-Bromofluorobenzene	1.473	1.475	-0.1	93	0.00	13.85
29	T	1,3-Dichlorobenzene	1.842	2.268	-23.1	129	0.00	16.80
30	T	1,4-Dichlorobenzene	1.812	2.187	-20.7	131	0.00	16.88
31	T	1,2-Dichlorobenzene	1.782	2.185	-22.6	133	0.00	17.17
32	T	Naphthalene	2.942	4.410	-49.9#	134	0.00	18.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6w34722.D M6W1441.M Mon Apr 07 04:11:21 2025

Initial Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W405-ICC405
Lab FileID: 7W11240.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Calibration Files
0.04=7w11233.D 0.10=7w11234.D 0.20=7w11235.D 0.5 =7w11237.D
5.0 =7w11238.D 10 =7w11240.D 20 =7w11241.D 40 =7w11242.D
50 =7w11243.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.358	0.490	0.489	0.497	0.477	0.502	0.511	0.493	0.469	0.476	9.67
4) CHLORODIFLUOROMETHANE	0.230	0.259	0.239	0.254	0.228	0.245	0.248	0.243	0.229	0.242	4.56
5) CHLOROTRIFLUOROETHENE	0.964	1.190	1.217	1.200	1.155	1.229	1.224	1.188	1.114	1.165	7.17
6) DICHLORODIFLUOROMETHANE	2.070	2.643	2.595	2.579	2.476	2.598	2.602	2.515	2.360	2.493	7.24
7) PROPYLENE	0.852	0.749	0.673	0.667	0.573	0.614	0.613	0.598	0.566	0.656	14.20
8) 1-CHLORO-1,1-DIFLUOROETHANE	1.709	1.969	1.873	1.889	1.828	1.916	1.906	1.823	1.707	1.847	4.89
9) FREON 114	1.660	2.082	1.985	2.047	1.995	2.082	2.079	1.998	1.871	1.978	6.92
10) CHLOROMETHANE	0.322	0.328	0.258	0.242	0.230	0.246	0.245	0.237	0.223	0.259	14.95
11) VINYL CHLORIDE	0.668	0.831	0.867	0.863	0.846	0.880	0.891	0.864	0.816	0.836	8.03
12) 1,3-BUTADIENE	1.019	0.795	0.723	0.665	0.617	0.663	0.666	0.649	0.617	0.713	17.91
13) N-BUTANE	1.759	1.337	1.321	1.328	1.137	1.230	1.234	1.198	1.128	1.297	14.66
14) BROMOMETHANE	0.798	0.810	0.732	0.773	0.722	0.749	0.743	0.721	0.680	0.748	5.45
15) CHLOROETHANE	0.482	0.497	0.442	0.460	0.428	0.454	0.451	0.440	0.419	0.453	5.48
16) DICHLOROFLUOROMETHANE	1.519	1.902	1.861	1.820	1.723	1.818	1.817	1.751	1.659	1.763	6.66
17) ACETONITRILE	0.760	1.147	0.892	0.788	0.710	0.749	0.751	0.737	0.699	0.804	17.49
18) ACROLEIN	0.509	0.455	0.475	0.437	0.373	0.391	0.400	0.391	0.369	0.422	11.64
19) FREON 123	1.880	2.254	1.874	1.900	1.821	1.905	1.903	1.851	1.736	1.903	7.48
20) FREON 123A	1.119	1.367	1.211	1.199	1.151	1.206	1.194	1.142	1.073	1.185	6.95
21) TRICHLOROFLUOROMETHANE	1.733	2.305	2.304	2.256	2.230	2.351	2.318	2.202	2.062	2.196	8.81
22) ISOPROPYL ALCOHOL	1.943	2.205	2.115	1.850	1.728	1.776	1.760	1.689	1.606	1.853	10.77
23) ACETONE											

Initial Calibration Summary

Job Number: JE8598 **Sample:** V7W405-ICC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11240.D
Project: BECOS Former Griffiss AFB, Rome, NY

		0.884	0.907	0.725	0.505	0.461	0.452	0.451	0.433	0.412	0.581	34.59
24)	PENTANE											
		0.949	0.984	0.897	0.926	0.828	0.883	0.883	0.851	0.807	0.890	6.41
25)	IODOMETHANE											
		1.610	2.061	2.056	2.117	2.075	2.143	2.120	2.021	1.908	2.012	8.26
26)	1,1-DICHLOROETHYLENE											
		1.084	1.061	0.827	0.865	0.797	0.822	0.817	0.789	0.742	0.867	13.97
27)	CARBON DISULFIDE											
		1.793	2.247	2.149	2.282	2.124	2.278	2.279	2.204	2.078	2.159	7.24
28)	ETHANOL											
					0.712	0.544	0.465	0.459	0.441	0.422	0.507	21.46
29)	BROMOETHENE											
		0.796	0.896	0.817	0.785	0.774	0.811	0.798	0.769	0.724	0.797	5.82
30)	ACRYLONITRILE											
			1.070	1.045	0.677	0.601	0.611	0.607	0.584	0.557	0.719	29.44
31)	METHYLENE CHLORIDE											
				1.103	0.887	0.720	0.737	0.730	0.700	0.662	0.791	19.53
32)	3-CHLOROPROPENE											
		0.367	0.466	0.441	0.418	0.398	0.415	0.416	0.402	0.383	0.412	7.19
33)	FREON 113											
		1.040	1.382	1.429	1.352	1.349	1.390	1.367	1.290	1.215	1.313	9.11
34)	TRANS-1,2-DICHLOROETHENE											
		1.026	1.040	0.880	0.894	0.861	0.882	0.885	0.851	0.805	0.903	8.69
35)	TERTIARY BUTYL ALCOHOL											
		1.867	2.312	2.318	2.257	2.132	2.170	2.149	2.043	1.927	2.131	7.50
36)	METHYL TERTIARY BUTYL ETHER											
		2.390	2.737	2.720	2.638	2.514	2.646	2.640	2.540	2.407	2.581	4.89
37)	TETRAHYDROFURAN											
		0.213	0.399	0.418	0.436	0.425	0.436	0.441	0.427	0.405	0.400	17.86
38)	HEXANE											
		1.805	1.948	1.655	1.655	1.532	1.618	1.602	1.545	1.462	1.647	9.03
39)	VINYL ACETATE											
		0.167	0.286	0.249	0.266	0.228	0.252	0.257	0.253	0.240	0.244	13.54
40)	1,1-DICHLOROETHANE											
		1.300	1.725	1.650	1.713	1.592	1.695	1.687	1.629	1.544	1.615	8.17
41)	METHYL ETHYL KETONE											
		0.319	0.514	0.485	0.451	0.436	0.463	0.462	0.446	0.423	0.444	12.19
42)	CIS-1,2-DICHLOROETHENE											
		0.735	1.032	0.948	0.992	0.910	0.973	0.969	0.926	0.882	0.930	9.21
43)	DIISOPROPYL ETHER											
		0.384	0.533	0.516	0.468	0.438	0.458	0.457	0.436	0.414	0.456	10.20
44)	ETHYL ACETATE											
		0.245	0.336	0.336	0.330	0.321	0.334	0.328	0.314	0.296	0.316	9.33
45)	METHYL ACRYLATE											
		1.427	2.048	1.928	1.944	1.819	1.936	1.931	1.857	1.763	1.850	9.66
46)	CHLOROFORM											
		1.631	1.901	1.879	1.953	1.798	1.920	1.885	1.793	1.690	1.828	5.98
47)	2,4-DIMETHYLPENTANE											
		1.747	2.005	1.839	1.846	1.731	1.867	1.848	1.795	1.710	1.821	4.92
48)	1,1,1-TRICHLOROETHANE											
		1.636	2.058	1.974	2.049	1.936	2.054	2.060	1.992	1.881	1.960	6.97
49)	CARBON TETRACHLORIDE											
		1.268	1.747	1.831	1.989	2.007	2.200	2.225	2.167	2.063	1.944	15.47
50)	1,2-DICHLOROETHANE											
		1.129	1.422	1.318	1.446	1.355	1.452	1.456	1.404	1.334	1.368	7.59
51)	BENZENE											
		2.592	2.909	2.787	2.706	2.537	2.707	2.705	2.614	2.478	2.671	4.93
52)	I 1,4-DIFLUOROBENZENE	----------	ISTD	----------								
53)	CYCLOHEXANE											

Initial Calibration Summary

Job Number: JE8598 **Sample:** V7W405-ICC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11240.D
Project: BECOS Former Griffiss AFB, Rome, NY

		0.212	0.240	0.240	0.246	0.226	0.247	0.246	0.240	0.228	0.236	4.99
54)	2,3-DIMETHYLPENTANE											
		0.131	0.127	0.121	0.129	0.117	0.127	0.125	0.123	0.117	0.124	3.96
55)	TRICHLOROETHENE											
		0.194	0.269	0.255	0.272	0.252	0.269	0.268	0.260	0.248	0.254	9.52
56)	1,2-DICHLOROPROPANE											
		0.185	0.227	0.223	0.222	0.211	0.226	0.226	0.221	0.210	0.217	6.21
57)	DIBROMOMETHANE											
		0.265	0.280	0.230	0.244	0.214	0.236	0.233	0.229	0.218	0.239	8.92
58)	ETHYL ACRYLATE											
		0.346	0.447	0.496	0.453	0.459	0.493	0.495	0.489	0.469	0.461	10.22
59)	BROMODICHLOROMETHANE											
		0.315	0.409	0.389	0.406	0.402	0.442	0.438	0.432	0.412	0.405	9.41
60)	2,2,4-TRIMETHYLPENTANE											
		0.836	1.033	0.940	0.998	0.952	0.999	0.997	0.973	0.926	0.962	6.01
61)	1,4-DIOXANE											
		0.085	0.148	0.205	0.141	0.151	0.143	0.139	0.134	0.129	0.142	21.73
62)	HEPTANE											
		0.269	0.380	0.342	0.362	0.322	0.349	0.348	0.342	0.328	0.338	9.25
63)	METHYL METHACRYLATE											
		0.216	0.237	0.237	0.214	0.204	0.216	0.215	0.212	0.203	0.217	5.75
64)	METHYL ISOBUTYL KETONE											
		0.148	0.203	0.298	0.192	0.202	0.198	0.197	0.193	0.184	0.202	19.77
65)	CIS-1,3-DICHLOROPROPENE											
		0.252	0.333	0.325	0.344	0.340	0.370	0.372	0.369	0.352	0.340	10.89
66)	TOLUENE											
		0.706	0.762	0.707	0.693	0.667	0.718	0.719	0.709	0.677	0.707	3.87
67)	1,3-DICHLOROPROPANE											
		0.261	0.324	0.327	0.341	0.328	0.355	0.354	0.348	0.332	0.330	8.59
68)	TRANS-1,3-DICHLOROPROPENE											
		0.231	0.325	0.302	0.311	0.314	0.347	0.352	0.353	0.338	0.319	11.89
69)	1,1,2-TRICHLOROETHANE											
		0.164	0.195	0.200	0.200	0.191	0.203	0.203	0.200	0.191	0.194	6.39
70)	2-HEXANONE											
		0.203	0.278	0.613	0.275	0.378	0.280	0.279	0.272	0.257	0.315	38.27
71)	ETHYL METHACRYLATE											
		0.403	0.397	0.397	0.361	0.363	0.376	0.378	0.370	0.354	0.378	4.72
72)	TETRACHLOROETHENE											
		0.239	0.277	0.267	0.276	0.264	0.277	0.275	0.273	0.261	0.268	4.58
73)	DIBROMOCHLOROMETHANE											
		0.289	0.392	0.387	0.409	0.396	0.445	0.458	0.458	0.439	0.408	12.93
74)	1,2-DIBROMOETHANE											
		0.265	0.356	0.338	0.360	0.357	0.388	0.388	0.384	0.365	0.356	10.74
75)	OCTANE											
		0.440	0.501	0.503	0.481	0.449	0.490	0.492	0.488	0.466	0.479	4.72
76)	I CHLOROBENZENE-D5	----------ISTD----------										
77)	1,1,1,2-TETRACHLOROETHANE											
		0.233	0.339	0.312	0.329	0.314	0.347	0.347	0.339	0.317	0.320	11.00
78)	CHLOROBENZENE											
		0.470	0.579	0.568	0.615	0.577	0.625	0.625	0.608	0.571	0.582	8.24
79)	ETHYLBENZENE											
		1.042	1.027	1.003	0.984	0.923	1.000	0.995	0.975	0.915	0.985	4.33
80)	M,P-XYLENE											
		0.699	0.841	0.767	0.794	0.742	0.801	0.798	0.779	0.728	0.772	5.61
81)	O-XYLENE											
		0.739	0.837	0.777	0.774	0.744	0.801	0.798	0.777	0.731	0.775	4.39
82)	STYRENE											
		0.392	0.537	0.524	0.555	0.562	0.617	0.619	0.615	0.579	0.555	12.69
83)	NONANE											

Initial Calibration Summary

Job Number: JE8598 **Sample:** V7W405-ICC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11240.D
Project: BECOS Former Griffiss AFB, Rome, NY

```
           0.527 0.522 0.529 0.541 0.514 0.553 0.553 0.544 0.510   0.533    3.00
 84)  BROMOFORM
           0.261 0.370 0.358 0.381 0.371 0.425 0.437 0.434 0.412   0.383   14.29
 85)  1,1,2,2-TETRACHLOROETHANE
           0.408 0.523 0.506 0.528 0.514 0.557 0.557 0.542 0.509   0.516    8.68
 86)  1,2,3-TRICHLOROPROPANE
           0.306 0.394 0.401 0.424 0.421 0.454 0.451 0.441 0.414   0.412   10.86
 87)  4-BROMOFLUOROBENZENE
           0.717 0.717 0.716 0.714 0.738 0.726 0.732 0.737 0.735   0.726    1.34
 88)  ISOPROPYLBENZENE
           0.229 0.294 0.293 0.305 0.295 0.320 0.320 0.314 0.296   0.296    9.27
 89)  BROMOBENZENE
           0.460 0.573 0.537 0.562 0.542 0.589 0.589 0.576 0.542   0.552    7.22
 90)  2-CHLOROTOLUENE
           0.173 0.276 0.265 0.268 0.274 0.299 0.299 0.294 0.277   0.269   14.21
 91)  N-PROPYLBENZENE
           0.199 0.292 0.284 0.299 0.311 0.335 0.335 0.334 0.314   0.300   14.10
 92)  4-ETHYLTOLUENE
           0.852 1.057 1.025 1.051 1.077 1.163 1.177 1.172 1.119   1.077    9.43
 93)  1,3,5-TRIMETHYLBENZENE
           0.724 0.880 0.876 0.896 0.910 0.970 0.982 0.987 0.932   0.906    8.90
 94)  ALPHA-METHYLSTYRENE
           0.329 0.422 0.430 0.445 0.473 0.512 0.523 0.530 0.503   0.463   13.93
 95)  TERT-BUTYLBENZENE
           0.175 0.209 0.215 0.216 0.222 0.233 0.234 0.231 0.217   0.217    8.36
 96)  1,2,4-TRIMETHYLBENZENE
           0.742 0.878 0.883 0.906 0.922 0.978 0.993 0.996 0.928   0.914    8.56
 97)  BENZYL CHLORIDE
           0.612 0.672 0.698 0.715 0.809 0.917 0.953 0.979 0.931   0.810   17.20
 98)  M-DICHLOROBENZENE
           0.464 0.593 0.602 0.618 0.620 0.678 0.691 0.694 0.653   0.624   11.36
 99)  P-DICHLOROBENZENE
           0.457 0.594 0.585 0.595 0.598 0.654 0.670 0.674 0.635   0.607   10.84
100)  O-DICHLOROBENZENE
           0.484 0.575 0.578 0.583 0.574 0.624 0.636 0.641 0.606   0.589    8.07
101)  SEC-BUTYLBENZENE
           0.197 0.251 0.263 0.274 0.279 0.295 0.298 0.296 0.278   0.270   11.75
102)  1,2,3-TRIMETHYLBENZENE
           0.735 0.879 0.889 0.912 0.911 0.975 0.992 1.004 0.945   0.916    8.85
103)  P-ISOPROPYLTOLUENE
           0.221 0.290 0.300 0.296 0.308 0.326 0.327 0.324 0.304   0.300   10.79
104)  N-BUTYLBENZENE
           0.210 0.269 0.273 0.293 0.301 0.322 0.328 0.330 0.309   0.293   12.98
105)  HEXACHLOROETHANE
           0.229 0.317 0.322 0.323 0.353 0.396 0.407 0.406 0.385   0.349   16.65
106)  HEXACHLOROBUTADIENE
           0.344 0.402 0.406 0.420 0.436 0.474 0.504 0.492 0.463   0.438   11.65
107)  1,2,4-TRICHLOROBENZENE
           0.367 0.354 0.367 0.400 0.515 0.587 0.632 0.664 0.643   0.503   26.18
108)  NAPHTHALENE
                 0.748 0.720 0.782 1.090 1.286 1.342 1.494 1.474   1.117   29.42

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
           4.273 4.626 4.148 4.425 4.130 4.221 4.321 4.157 3.915   4.246    4.74
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W405.M          Sun Dec 29 19:44:19 2024
```

Initial Calibration Verification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY
Sample: V7W405-ICV405
Lab FileID: 7W11247.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w\7w11247.D Vial: 5
Acq On : 28 Dec 2024 6:36 pm Operator: benk
Sample : icv405-10 Inst : MS7W
Misc : MS74014,v7w405,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	98	0.00	3.23
2	T	FREON 115						
3	T	FREON 152A	0.476	0.512	-7.6	100	0.00	1.62
4	T	CHLORODIFLUOROMETHANE	0.242	0.255	-5.4	102	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.242	-6.6	99	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.658	-6.6	100	0.00	1.67
7	T	PROPYLENE	0.656	0.627	4.4	100	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.976	-7.0	101	0.00	1.70
9	T	FREON 114	1.978	2.125	-7.4	100	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.246	5.0	98	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.889	-6.3	99	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.676	5.2	100	0.00	1.81
13	T	N-BUTANE	1.297	1.274	1.8	101	0.00	1.82
14	T	BROMOMETHANE	0.748	0.771	-3.1	100	0.00	1.88
15	T	CHLOROETHANE	0.453	0.464	-2.4	100	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.915	-8.6	103	0.00	1.96
17	T	ACETONITRILE	0.804	0.794	1.2	104	0.00	2.02
18	T	ACROLEIN	0.422	0.421	0.2	105	0.00	2.06
19	T	FREON 123	1.903	1.900	0.2	97	0.00	2.08
20	T	FREON 123A	1.185	1.123	5.2	91	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.404	-9.5	100	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.854	-0.1	102	0.00	2.17
23	T	ACETONE	0.581	0.468	19.4	101	0.00	2.10
24	T	PENTANE	0.890	0.900	-1.1	100	0.00	2.27
25	T	IODOMETHANE	2.012	2.204	-9.5	100	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.846	2.4	101	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.476	-14.7	106	0.00	2.49
28	T	ETHANOL	0.507	0.416	17.9	87	0.00	1.96
29	T	BROMOETHENE	0.797	0.815	-2.3	98	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.624	13.2	100	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.772	2.4	102	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.431	-4.6	101	0.00	2.44
33	T	FREON 113	1.313	1.457	-11.0	102	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.928	-2.8	103	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.441	-14.5	110	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.684	-4.0	99	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.465	-16.3	104	0.00	3.51
38	T	HEXANE	1.647	1.605	2.6	97	0.00	3.28
39	T	VINYL ACETATE	0.244	0.267	-9.4	104	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.714	-6.1	99	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.463	-4.3	98	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.993	-6.8	100	0.00	3.15

Initial Calibration Verification

Job Number: JE8598 **Sample:** V7W405-ICV405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11247.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.469	-2.9	100	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.332	-5.1	97	0.00	3.28
45	T	METHYL ACRYLATE	1.850	1.989	-7.5	100	0.00	3.27
46	T	CHLOROFORM	1.828	1.993	-9.0	101	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.866	-2.5	98	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.104	-7.3	100	0.00	3.86
49	T	CARBON TETRACHLORIDE	1.944	2.247	-15.6	100	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.485	-8.6	100	0.00	3.70
51	t	BENZENE	2.671	2.775	-3.9	100	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.249	-5.5	99	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.128	-3.2	99	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.275	-8.3	100	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.232	-6.9	100	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.245	-2.5	102	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.505	-9.5	100	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.449	-10.9	100	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.005	-4.5	98	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.144	-1.4	99	0.00	5.08
62	T	HEPTANE	0.338	0.350	-3.6	98	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.220	-1.4	100	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.200	1.0	98	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.352	-3.5	93	0.00	5.99
66	T	TOLUENE	0.707	0.721	-2.0	98	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.363	-10.0	100	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.352	-10.3	99	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.210	-8.2	101	0.00	6.82
70	T	2-HEXANONE	0.315	0.284	9.8	99	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.386	-2.1	100	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.281	-4.9	99	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.456	-11.8	100	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.398	-11.8	100	0.00	8.06
75	T	OCTANE	0.479	0.491	-2.5	98	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.353	-10.3	100	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.631	-8.4	99	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.014	-2.9	99	0.00	10.99
80	t	M,P-XYLENE	0.772	0.809	-4.8	99	0.00	11.42
81	t	O-XYLENE	0.775	0.802	-3.5	98	0.00	12.34
82	T	STYRENE	0.555	0.620	-11.7	99	0.00	12.14
83	T	NONANE	0.533	0.556	-4.3	99	0.00	13.47
84	T	BROMOFORM	0.383	0.409	-6.8	94	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.575	-11.4	101	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.465	-12.9	101	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.730	-0.6	99	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.327	-10.5	100	0.00	13.86
89	T	BROMOBENZENE	0.552	0.606	-9.8	101	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.308	-14.5	101	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.338	-12.7	99	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.184	-9.9	100	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.984	-8.6	99	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.536	-15.8	103	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.237	-9.2	100	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	0.996	-9.0	100	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.987	-21.9	106	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.693	-11.1	100	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.670	-10.4	100	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.639	-8.5	100	0.00	17.01

Initial Calibration Verification

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W405-ICV405
Lab FileID: 7W11247.D

101	T	SEC-BUTYLBENZENE	0.270	0.303	-12.2	101	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	0.994	-8.5	100	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.334	-11.3	100	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.323	-10.2	98	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.399	-14.3	99	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.460	-5.0	95	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.577	-14.7	96	0.00	18.32
108	T	NAPHTHALENE	1.117	1.318	-18.0	100	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.421	-4.1	102	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Dec 30 11:08:54 2024

6.9.11

6

Continuing Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W423-CC405
Lab FileID: 7W11818.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...7-25\v7w423\7w11818.D Vial: 2
Acq On : 16 Jan 2025 11:34 am Operator: williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	105	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.513	-7.8	107	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.239	1.2	102	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.150	1.3	98	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.896	-16.2	117	0.00	1.67
7	T	PROPYLENE	0.656	0.535	18.4	91	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.282	-23.6	125	0.00	1.70
9	T	FREON 114	1.978	2.437	-23.2	123	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.258	0.4	110	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.998	-19.4	119	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.694	2.7	110	0.00	1.81
13	T	N-BUTANE	1.297	1.180	9.0	101	0.00	1.83
14	T	BROMOMETHANE	0.748	0.844	-12.8	118	0.00	1.88
15	T	CHLOROETHANE	0.453	0.515	-13.7	119	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.045	-16.0	118	0.00	1.96
17	T	ACETONITRILE	0.804	0.691	14.1	97	0.00	2.03
18	T	ACROLEIN	0.422	0.414	1.9	111	0.00	2.06
19	T	FREON 123	1.903	2.176	-14.3	120	0.00	2.08
20	T	FREON 123A	1.185	1.218	-2.8	106	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.473	-12.6	110	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.656	10.6	98	0.00	2.18
23	T	ACETONE	0.581	0.486	16.4	113	0.00	2.10
24	T	PENTANE	0.890	0.807	9.3	96	0.00	2.27
25	T	IODOMETHANE	2.012	2.074	-3.1	102	0.00	2.34
26	T	1,1-DICHLOROETHYLENE	0.867	0.916	-5.7	117	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.738	-26.8	126	0.00	2.50
28	T	ETHANOL	0.507	0.436	14.0	98	0.00	1.96
29	T	BROMOETHENE	0.797	0.844	-5.9	109	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.606	15.7	104	0.00	2.25
31	T	METHYLENE CHLORIDE	0.791	0.857	-8.3	122	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.472	-14.6	119	0.00	2.44
33	T	FREON 113	1.313	1.409	-7.3	106	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.842	6.8	100	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.176	-2.1	105	0.00	2.38
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.194	15.0	87	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.456	-14.0	110	0.00	3.51
38	T	HEXANE	1.647	1.632	0.9	106	0.00	3.28
39	T	VINYL ACETATE	0.244	0.200	18.0	83	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.470	9.0	91	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.467	-5.2	106	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.962	-3.4	104	0.00	3.15

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W423-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11818.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.469	-2.9	107	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.326	-3.2	103	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.875	-1.4	102	0.00	3.27
46	T	CHLOROFORM	1.828	1.981	-8.4	108	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.829	-0.4	103	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	1.937	1.2	99	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	1.876	3.5	89	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.457	-6.5	105	0.00	3.70
51	t	BENZENE	2.671	2.763	-3.4	107	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	105	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.252	-6.8	107	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.128	-3.2	106	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.266	-4.7	104	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.226	-4.1	105	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.219	8.4	98	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.452	2.0	97	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.439	-8.4	105	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	0.983	-2.2	104	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.140	1.4	103	0.00	5.07
62	T	HEPTANE	0.338	0.316	6.5	95	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.206	5.1	100	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.196	3.0	104	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.348	-2.4	99	0.00	5.99
66	T	TOLUENE	0.707	0.704	0.4	103	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.361	-9.4	107	0.00	7.24
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.307	3.8	93	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.207	-6.7	107	0.00	6.82
70	T	2-HEXANONE	0.315	0.276	12.4	104	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.353	6.6	99	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.261	2.6	99	0.00	8.90
73	T	DIBROMOCHLOROMETHANE	0.408	0.400	2.0	95	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.367	-3.1	99	0.00	8.06
75	T	OCTANE	0.479	0.440	8.1	95	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	105	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.296	7.5	89	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.601	-3.3	101	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.977	0.8	102	0.00	10.99
80	t	M,P-XYLENE	0.772	0.790	-2.3	103	0.00	11.42
81	t	O-XYLENE	0.775	0.800	-3.2	105	0.00	12.34
82	T	STYRENE	0.555	0.583	-5.0	99	0.00	12.13
83	T	NONANE	0.533	0.511	4.1	97	0.00	13.47
84	T	BROMOFORM	0.383	0.372	2.9	92	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.592	-14.7	111	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.461	-11.9	107	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.768	-5.8	111	0.00	13.39
88	T	ISOPROPYLBENZENE	0.296	0.301	-1.7	98	0.00	13.86
89	T	BROMOBENZENE	0.552	0.585	-6.0	104	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.275	-2.2	96	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.310	-3.3	97	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.133	-5.2	102	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.950	-4.9	103	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.491	-6.0	101	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.219	-0.9	98	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.006	-10.1	108	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.674	16.8	77	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.649	-4.0	100	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.629	-3.6	101	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.610	-3.6	102	0.00	17.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W423-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11818.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.280	-3.7	99	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.011	-10.4	109	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.315	-5.0	101	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.312	-6.5	101	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.332	4.9	88	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.546	-24.7	121	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.602	-19.7	107	0.00	18.32
108	T	NAPHTHALENE	1.117	1.279	-14.5	104	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	105	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.091	3.7	102	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Thu Jan 16 23:00:23 2025

6.9.12
6

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W424-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11852.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2025\v7w424\7w11852.D Vial: 2
Acq On : 17 Jan 2025 12:35 pm Operator: williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w424,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	102	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.508	-6.7	104	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.241	0.4	101	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.144	1.8	95	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.992	-20.0	118	0.00	1.67
7	T	PROPYLENE	0.656	0.541	17.5	90	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.381	-28.9	127	0.00	1.70
9	T	FREON 114	1.978	2.486	-25.7	122	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.286	-10.4	119	0.00	1.71
11	T	VINYL CHLORIDE	0.836	1.014	-21.3	118	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.711	0.3	110	0.00	1.81
13	T	N-BUTANE	1.297	1.202	7.3	100	0.00	1.82
14	T	BROMOMETHANE	0.748	0.835	-11.6	114	0.00	1.88
15	T	CHLOROETHANE	0.453	0.522	-15.2	118	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.085	-18.3	117	0.00	1.96
17	T	ACETONITRILE	0.804	0.703	12.6	96	0.00	2.02
18	T	ACROLEIN	0.422	0.417	1.2	109	0.00	2.06
19	T	FREON 123	1.903	2.206	-15.9	119	0.00	2.07
20	T	FREON 123A	1.185	1.213	-2.4	103	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.446	-11.4	107	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.648	11.1	95	0.00	2.17
23	T	ACETONE	0.581	0.491	15.5	111	0.00	2.10
24	T	PENTANE	0.890	0.815	8.4	94	0.00	2.27
25	T	IODOMETHANE	2.012	2.065	-2.6	99	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.908	-4.7	113	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.765	-28.1	124	0.00	2.49
28	T	ETHANOL	0.507	0.440	13.2	97	0.00	1.96
29	T	BROMOETHENE	0.797	0.844	-5.9	107	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.610	15.2	102	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.853	-7.8	119	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.472	-14.6	116	0.00	2.44
33	T	FREON 113	1.313	1.424	-8.5	105	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	1.010	-11.8	117	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.153	-1.0	102	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.467	4.4	95	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.445	-11.2	104	0.00	3.51
38	T	HEXANE	1.647	1.635	0.7	103	0.00	3.28
39	T	VINYL ACETATE	0.244	0.223	8.6	91	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.698	-5.1	103	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.465	-4.7	103	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.949	-2.0	100	0.00	3.15

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W424-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11852.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.462	-1.3	103	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.323	-2.2	99	0.00	3.28
45	T	METHYL ACRYLATE	1.850	1.888	-2.1	100	0.00	3.27
46	T	CHLOROFORM	1.828	1.976	-8.1	105	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.827	-0.3	100	0.00	3.78
48	T	1,1,1-TRICHLOROETHANE	1.960	1.898	3.2	95	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	1.826	6.1	85	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.449	-5.9	102	0.00	3.70
51	t	BENZENE	2.671	2.745	-2.8	104	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.247	-4.7	102	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.126	-1.6	102	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.263	-3.5	101	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.228	-5.1	104	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.215	10.0	94	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.452	2.0	94	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.434	-7.2	101	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	0.981	-2.0	101	0.00	5.15
61	T	1,4-DIOXANE	0.142	0.138	2.8	99	0.00	5.08
62	T	HEPTANE	0.338	0.315	6.8	93	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.206	5.1	98	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.195	3.5	101	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.341	-0.3	95	0.00	5.99
66	T	TOLUENE	0.707	0.696	1.6	100	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.357	-8.2	103	0.00	7.24
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.301	5.6	89	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.206	-6.2	104	0.00	6.82
70	T	2-HEXANONE	0.315	0.275	12.7	101	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.352	6.9	96	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.253	5.6	94	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.395	3.2	91	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.364	-2.2	96	0.00	8.06
75	T	OCTANE	0.479	0.443	7.5	93	0.00	9.05
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	101	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.295	7.8	86	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.602	-3.4	97	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.980	0.5	99	0.00	10.99
80	t	M,P-XYLENE	0.772	0.791	-2.5	100	0.00	11.42
81	t	O-XYLENE	0.775	0.793	-2.3	100	0.00	12.35
82	T	STYRENE	0.555	0.581	-4.7	95	0.00	12.13
83	T	NONANE	0.533	0.518	2.8	95	0.00	13.47
84	T	BROMOFORM	0.383	0.375	2.1	89	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.596	-15.5	108	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.463	-12.4	103	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.775	-6.7	108	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.298	-0.7	94	0.00	13.86
89	T	BROMOBENZENE	0.552	0.587	-6.3	101	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.273	-1.5	92	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.310	-3.3	94	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.122	-4.2	98	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.943	-4.1	98	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.492	-6.3	97	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.218	-0.5	95	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.006	-10.1	104	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.653	19.4	72	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.642	-2.9	96	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.626	-3.1	97	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.611	-3.7	99	0.00	17.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W424-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11852.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.281	-4.1	96	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.012	-10.5	105	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.319	-6.3	99	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.314	-7.2	99	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.335	4.0	86	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.548	-25.1	117	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.600	-19.3	103	0.00	18.32
108	T	NAPHTHALENE	1.117	1.278	-14.4	101	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	102	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.204	1.0	102	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Jan 20 04:52:26 2025

Continuing Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W426-CC405
Lab FileID: 7W11930.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...0-25\V7W426\7w11930.D Vial: 4
Acq On : 19 Jan 2025 11:30 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w426,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	91	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.515	-8.2	93	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.247	-2.1	91	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.184	-1.6	87	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	3.074	-23.3	107	0.00	1.67
7	T	PROPYLENE	0.656	0.553	15.7	82	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.432	-31.7#	115	0.00	1.70
9	T	FREON 114	1.978	2.554	-29.1	111	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.290	-12.0	107	0.00	1.71
11	T	VINYL CHLORIDE	0.836	1.096	-31.1#	113	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.773	-8.4	106	0.00	1.81
13	T	N-BUTANE	1.297	1.393	-7.4	103	0.00	1.83
14	T	BROMOMETHANE	0.748	0.898	-20.1	109	0.00	1.88
15	T	CHLOROETHANE	0.453	0.558	-23.2	112	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.122	-20.4	106	0.00	1.96
17	T	ACETONITRILE	0.804	0.711	11.6	86	0.00	2.03
18	T	ACROLEIN	0.422	0.424	-0.5	98	0.00	2.06
19	T	FREON 123	1.903	2.247	-18.1	107	0.00	2.08
20	T	FREON 123A	1.185	1.259	-6.2	95	0.00	2.10
21	T	TRICHLOROFLUOROMETHANE	2.196	2.535	-15.4	98	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.705	8.0	87	0.00	2.18
23	T	ACETONE	0.581	0.495	14.8	99	0.00	2.10
24	T	PENTANE	0.890	0.837	6.0	86	0.00	2.27
25	T	IODOMETHANE	2.012	2.119	-5.3	90	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.925	-6.7	102	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.840	-31.5#	113	0.00	2.50
28	T	ETHANOL	0.507	0.460	9.3	90	0.00	1.96
29	T	BROMOETHENE	0.797	0.881	-10.5	99	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.630	12.4	94	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.882	-11.5	109	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.489	-18.7	107	0.00	2.44
33	T	FREON 113	1.313	1.456	-10.9	95	0.00	2.50
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.974	-7.9	100	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.225	-4.4	93	0.00	2.38
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.398	7.1	82	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.465	-16.3	97	0.00	3.51
38	T	HEXANE	1.647	1.701	-3.3	95	0.00	3.28
39	T	VINYL ACETATE	0.244	0.241	1.2	87	0.00	2.87
40	T	1,1-DICHLOROETHANE	1.615	1.548	4.1	83	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.483	-8.8	95	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.987	-6.1	92	0.00	3.15

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W426-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11930.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.483	-5.9	96	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.347	-9.8	94	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.981	-7.1	93	0.00	3.27
46	T	CHLOROFORM	1.828	2.057	-12.5	97	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.895	-4.1	92	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.011	-2.6	89	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	1.969	-1.3	81	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.515	-10.7	95	0.00	3.70
51	t	BENZENE	2.671	2.850	-6.7	95	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	92	0.00	4.50
53	T	CYCLOHEXANE	0.236	0.254	-7.6	94	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.130	-4.8	94	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.273	-7.5	93	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.236	-8.8	95	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.223	6.7	87	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.482	-4.6	89	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.454	-12.1	94	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.015	-5.5	93	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.144	-1.4	92	0.00	5.08
62	T	HEPTANE	0.338	0.330	2.4	87	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.217	0.0	92	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.203	-0.5	94	0.00	6.10
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.362	-6.5	90	0.00	5.99
66	T	TOLUENE	0.707	0.726	-2.7	93	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.371	-12.4	96	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.321	-0.6	85	0.00	6.67
69	T	1,1,2-TRICHLOROETHANE	0.194	0.214	-10.3	96	0.00	6.82
70	T	2-HEXANONE	0.315	0.286	9.2	93	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.375	0.8	91	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.268	0.0	89	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.418	-2.5	86	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.378	-6.2	89	0.00	8.06
75	T	OCTANE	0.479	0.466	2.7	87	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	91	0.00	10.04
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.306	4.4	80	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.617	-6.0	90	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.003	-1.8	92	0.00	10.99
80	t	M,P-XYLENE	0.772	0.813	-5.3	93	0.00	11.42
81	t	O-XYLENE	0.775	0.817	-5.4	93	0.00	12.35
82	T	STYRENE	0.555	0.600	-8.1	89	0.00	12.14
83	T	NONANE	0.533	0.534	-0.2	88	0.00	13.47
84	T	BROMOFORM	0.383	0.398	-3.9	85	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.613	-18.8	100	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.480	-16.5	97	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.778	-7.2	98	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.308	-4.1	88	0.00	13.86
89	T	BROMOBENZENE	0.552	0.607	-10.0	94	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.282	-4.8	86	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.320	-6.7	87	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.160	-7.7	91	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.978	-7.9	92	0.00	15.92
94	T	ALPHA-METHYLSTYRENE	0.463	0.503	-8.6	90	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.224	-3.2	88	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.034	-13.1	96	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.703	13.2	70	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.663	-6.3	89	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.647	-6.6	90	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.629	-6.8	92	0.00	17.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W426-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W11930.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.289	-7.0	89	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.033	-12.8	97	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.321	-7.0	90	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.316	-7.8	90	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.350	-0.3	81	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.554	-26.5	106	-0.01	18.62
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.605	-20.3	94	0.00	18.31
108	T	NAPHTHALENE		----------NA----------				
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	91	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.220	0.6	91	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Jan 20 16:12:37 2025

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W431-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12102.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w12102.D Vial: 1
Acq On : 25 Jan 2025 6:18 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS89017,v7w431,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	101	0.00	3.23
2	T	FREON 115						
3	T	FREON 152A	0.476	0.453	4.8	91	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.235	2.9	97	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.132	2.8	93	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.774	-11.3	108	0.00	1.67
7	T	PROPYLENE	0.656	0.491	25.2	81	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.117	-14.6	111	0.00	1.70
9	T	FREON 114	1.978	2.281	-15.3	111	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.240	7.3	99	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.929	-11.1	107	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.650	8.8	99	0.00	1.81
13	T	N-BUTANE	1.297	1.184	8.7	97	0.00	1.82
14	T	BROMOMETHANE	0.748	0.807	-7.9	109	0.00	1.88
15	T	CHLOROETHANE	0.453	0.477	-5.3	106	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.944	-10.3	108	0.00	1.96
17	T	ACETONITRILE	0.804	0.720	10.4	97	0.00	2.02
18	T	ACROLEIN	0.422	0.371	12.1	96	0.00	2.06
19	T	FREON 123	1.903	2.098	-10.2	111	0.00	2.07
20	T	FREON 123A	1.185	1.203	-1.5	101	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.439	-11.1	105	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.640	11.5	93	0.00	2.17
23	T	ACETONE	0.581	0.456	21.5	102	0.00	2.10
24	T	PENTANE	0.890	0.826	7.2	94	0.00	2.27
25	T	IODOMETHANE	2.012	2.186	-8.6	103	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.867	0.0	106	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.591	-20.0	115	0.00	2.49
28	T	ETHANOL	0.507	0.428	15.6	93	0.00	1.96
29	T	BROMOETHENE	0.797	0.823	-3.3	102	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.578	19.6	95	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.818	-3.4	112	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.451	-9.5	109	0.00	2.44
33	T	FREON 113	1.313	1.472	-12.1	107	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.947	-4.9	108	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	1.980	7.1	92	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.435	5.7	93	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.436	-9.0	101	0.00	3.51
38	T	HEXANE	1.647	1.540	6.5	96	0.00	3.27
39	T	VINYL ACETATE	0.244	0.209	14.3	84	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.600	0.9	95	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.447	-0.7	98	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.952	-2.4	99	0.00	3.15

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W431-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12102.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.434	4.8	96	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.309	2.2	93	0.00	3.28
45	T	METHYL ACRYLATE	1.850	1.776	4.0	93	0.00	3.27
46	T	CHLOROFORM	1.828	1.988	-8.8	104	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.719	5.6	93	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.001	-2.1	98	0.00	3.86
49	T	CARBON TETRACHLORIDE	1.944	2.029	-4.4	93	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.436	-5.0	100	0.00	3.70
51	t	BENZENE	2.671	2.684	-0.5	100	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	101	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.243	-3.0	99	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.124	0.0	98	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.266	-4.7	100	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.213	1.8	95	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.234	2.1	100	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.430	6.7	88	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.450	-11.1	103	0.00	5.00
60	T	2,2,4-TRIMETHYLPENTANE	0.962	0.928	3.5	93	0.00	5.15
61	T	1,4-DIOXANE	0.142	0.137	3.5	97	0.00	5.07
62	T	HEPTANE	0.338	0.308	8.9	89	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.202	6.9	94	0.00	5.36
64	T	METHYL ISOBUTYL KETONE	0.202	0.183	9.4	93	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.349	-2.6	95	0.00	5.99
66	T	TOLUENE	0.707	0.698	1.3	98	0.00	7.18
67	T	1,3-DICHLOROPROPANE	0.330	0.357	-8.2	101	0.00	7.24
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.314	1.6	91	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.205	-5.7	101	0.00	6.82
70	T	2-HEXANONE	0.315	0.256	18.7	92	0.00	7.75
71	T	ETHYL METHACRYLATE	0.378	0.351	7.1	94	0.00	7.88
72	T	TETRACHLOROETHENE	0.268	0.284	-6.0	103	0.00	8.90
73	T	DIBROMOCHLOROMETHANE	0.408	0.425	-4.2	96	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.375	-5.3	97	0.00	8.05
75	T	OCTANE	0.479	0.429	10.4	88	0.00	9.05
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	99	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.332	-3.8	95	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.614	-5.5	97	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.987	-0.2	98	0.00	10.99
80	t	M,P-XYLENE	0.772	0.808	-4.7	100	0.00	11.41
81	t	O-XYLENE	0.775	0.807	-4.1	100	0.00	12.34
82	T	STYRENE	0.555	0.593	-6.8	96	0.00	12.14
83	T	NONANE	0.533	0.504	5.4	90	0.00	13.47
84	T	BROMOFORM	0.383	0.419	-9.4	98	0.00	11.22
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.590	-14.3	105	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.466	-13.1	102	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.785	-8.1	107	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.307	-3.7	95	0.00	13.86
89	T	BROMOBENZENE	0.552	0.595	-7.8	100	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.283	-5.2	94	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.318	-6.0	94	0.00	15.19
92	T	4-ETHYLTOLUENE	1.077	1.158	-7.5	99	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.976	-7.7	100	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.507	-9.5	98	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.237	-9.2	101	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.029	-12.6	104	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.707	12.7	77	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.710	-13.8	104	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.687	-13.2	104	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.668	-13.4	106	0.00	17.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W431-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12102.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.304	-12.6	102	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.020	-11.4	104	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.337	-12.3	103	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.333	-13.7	103	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.354	-1.4	89	0.00	17.58
106	T	HEXACHLOROBUTADIENE	0.438	0.568	-29.7	119	0.00	18.64
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.621	-23.5	105	0.00	18.32
108	T	NAPHTHALENE	1.117	1.323	-18.4	102	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	101	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.148	2.3	99	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Sun Jan 26 04:54:32 2025

6.9.15 6

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W432-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12137.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2025\V7W432\7w12137.D Vial: 4
Acq On : 26 Jan 2025 6:32 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS89017,v7w432,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.458	3.8	88	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.246	-1.7	97	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.179	-1.2	93	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.854	-14.5	107	0.00	1.67
7	T	PROPYLENE	0.656	0.506	22.9	80	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.165	-17.2	110	0.00	1.70
9	T	FREON 114	1.978	2.339	-18.3	109	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.243	6.2	96	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.928	-11.0	102	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.653	8.4	95	0.00	1.81
13	T	N-BUTANE	1.297	1.185	8.6	93	0.00	1.82
14	T	BROMOMETHANE	0.748	0.821	-9.8	106	0.00	1.88
15	T	CHLOROETHANE	0.453	0.482	-6.4	103	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.968	-11.6	105	0.00	1.96
17	T	ACETONITRILE	0.804	0.705	12.3	91	0.00	2.02
18	T	ACROLEIN	0.422	0.378	10.4	94	0.00	2.06
19	T	FREON 123	1.903	2.126	-11.7	108	0.00	2.08
20	T	FREON 123A	1.185	1.225	-3.4	98	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.510	-14.3	104	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.647	11.1	90	0.00	2.17
23	T	ACETONE	0.581	0.453	22.0	97	0.00	2.10
24	T	PENTANE	0.890	0.820	7.9	90	0.00	2.27
25	T	IODOMETHANE	2.012	2.246	-11.6	102	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.890	-2.7	105	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.608	-20.8	111	0.00	2.49
28	T	ETHANOL	0.507	0.429	15.4	89	0.00	1.96
29	T	BROMOETHENE	0.797	0.843	-5.8	101	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.581	19.2	92	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.827	-4.6	109	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.466	-13.1	109	0.00	2.44
33	T	FREON 113	1.313	1.525	-16.1	106	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.925	-2.4	102	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.024	5.0	90	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.506	2.9	92	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.439	-9.7	98	0.00	3.51
38	T	HEXANE	1.647	1.555	5.6	93	0.00	3.28
39	T	VINYL ACETATE	0.244	0.228	6.6	88	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.630	-0.9	93	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.458	-3.2	96	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.970	-4.3	97	0.00	3.15

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W432-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12137.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.447	2.0	94	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.314	0.6	91	0.00	3.28
45	T	METHYL ACRYLATE	1.850	1.799	2.8	90	0.00	3.27
46	T	CHLOROFORM	1.828	2.036	-11.4	103	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.737	4.6	90	0.00	3.78
48	T	1,1,1-TRICHLOROETHANE	1.960	2.058	-5.0	97	0.00	3.86
49	T	CARBON TETRACHLORIDE	1.944	2.079	-6.9	92	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.472	-7.6	98	0.00	3.70
51	t	BENZENE	2.671	2.750	-3.0	98	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.250	-5.9	98	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.127	-2.4	97	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.277	-9.1	99	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.216	0.5	92	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.242	-1.3	99	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.440	4.6	86	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.462	-14.1	101	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	0.941	2.2	91	0.00	5.15
61	T	1,4-DIOXANE	0.142	0.140	1.4	95	0.00	5.07
62	T	HEPTANE	0.338	0.314	7.1	87	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.208	4.1	93	0.00	5.36
64	T	METHYL ISOBUTYL KETONE	0.202	0.187	7.4	91	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.355	-4.4	92	0.00	5.99
66	T	TOLUENE	0.707	0.717	-1.4	96	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.364	-10.3	99	0.00	7.24
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.319	0.0	89	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.208	-7.2	99	0.00	6.82
70	T	2-HEXANONE	0.315	0.257	18.4	89	0.00	7.75
71	T	ETHYL METHACRYLATE	0.378	0.359	5.0	92	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.290	-8.2	101	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.432	-5.9	94	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.379	-6.5	94	0.00	8.05
75	T	OCTANE	0.479	0.440	8.1	87	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.333	-4.1	93	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.613	-5.3	95	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.990	-0.5	96	0.00	10.99
80	t	M,P-XYLENE	0.772	0.810	-4.9	98	0.00	11.42
81	t	O-XYLENE	0.775	0.809	-4.4	98	0.00	12.34
82	T	STYRENE	0.555	0.588	-5.9	92	0.00	12.14
83	T	NONANE	0.533	0.504	5.4	88	0.00	13.47
84	T	BROMOFORM	0.383	0.403	-5.2	92	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.572	-10.9	99	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.457	-10.9	98	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.786	-8.3	105	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.308	-4.1	93	0.00	13.86
89	T	BROMOBENZENE	0.552	0.585	-6.0	96	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.280	-4.1	91	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.320	-6.7	93	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.157	-7.4	96	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.977	-7.8	98	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.500	-8.0	95	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.240	-10.6	100	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.030	-12.7	102	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.630	22.2	67	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.703	-12.7	101	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.677	-11.5	100	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.659	-11.9	102	0.00	17.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W432-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W12137.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.306	-13.3	100	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.024	-11.8	102	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.339	-13.0	101	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.333	-13.7	100	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.349	0.0	85	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.593	-35.4#	121	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.629	-25.0	104	0.00	18.32
108	T	NAPHTHALENE	1.117	1.313	-17.5	99	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	97	0.00	3.23
110		TVHC as equiv Pentane	4.246	3.992	6.0	92	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Jan 27 18:42:53 2025

6.9.16

6

Continuing Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W459-CC405
Lab FileID: 7W13010.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...5 NS\V7W459\7w13010.D Vial: 1
Acq On : 26 Feb 2025 9:46 am Operator: williamc
Sample : cc405-10 Inst : MS7W
Misc : MS89821,v7w459,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.515	-8.2	100	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.228	5.8	91	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.248	-7.1	99	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.559	-2.6	96	0.00	1.67
7	T	PROPYLENE	0.656	0.662	-0.9	105	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.710	7.4	87	0.00	1.70
9	T	FREON 114	1.978	2.150	-8.7	100	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.281	-8.5	111	0.00	1.71
11	T	VINYL CHLORIDE	0.836	1.007	-20.5	111	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.776	-8.8	114	0.00	1.81
13	T	N-BUTANE	1.297	1.358	-4.7	107	0.00	1.82
14	T	BROMOMETHANE	0.748	0.825	-10.3	107	0.00	1.88
15	T	CHLOROETHANE	0.453	0.517	-14.1	111	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.864	-5.7	100	0.00	1.96
17	T	ACETONITRILE	0.804	0.851	-5.8	110	0.00	2.03
18	T	ACROLEIN	0.422	0.438	-3.8	109	0.00	2.06
19	T	FREON 123	1.903	2.101	-10.4	107	0.00	2.08
20	T	FREON 123A	1.185	1.258	-6.2	101	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.191	0.2	91	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	2.044	-10.3	112	0.00	2.18
23	T	ACETONE	0.581	0.528	9.1	114	0.00	2.10
24	T	PENTANE	0.890	0.983	-10.4	108	0.00	2.27
25	T	IODOMETHANE	2.012	2.265	-12.6	103	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.898	-3.6	106	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.376	-10.1	101	0.00	2.50
28	T	ETHANOL	0.507	0.655	-29.2	137	0.00	1.96
29	T	BROMOETHENE	0.797	0.855	-7.3	103	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.695	3.3	111	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.814	-2.9	107	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.418	-1.5	98	0.00	2.44
33	T	FREON 113	1.313	1.496	-13.9	105	0.00	2.50
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.961	-6.4	106	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.008	5.8	90	0.00	2.38
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.425	6.0	89	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.447	-11.7	100	0.00	3.51
38	T	HEXANE	1.647	1.736	-5.4	104	0.00	3.28
39	T	VINYL ACETATE	0.244	0.233	4.5	90	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.730	-7.1	99	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.467	-5.2	98	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	1.005	-8.1	100	0.00	3.15

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W459-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W13010.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.484	-6.1	103	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.350	-10.8	102	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.985	-7.3	100	0.00	3.27
46	T	CHLOROFORM	1.828	1.884	-3.1	95	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.971	-8.2	103	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	1.911	2.5	90	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	1.973	-1.5	87	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.326	3.1	89	0.00	3.70
51	t	BENZENE	2.671	2.754	-3.1	99	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	94	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.260	-10.2	99	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.130	-4.8	97	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.278	-9.4	97	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.246	-13.4	103	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.262	-9.6	105	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.505	-9.5	97	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.437	-7.9	93	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.096	-13.9	103	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.145	-2.1	96	0.00	5.08
62	T	HEPTANE	0.338	0.375	-10.9	101	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.217	0.0	95	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.217	-7.4	103	0.00	6.10
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.353	-3.8	90	0.00	5.99
66	T	TOLUENE	0.707	0.740	-4.7	97	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.359	-8.8	95	0.00	7.24
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.310	2.8	84	0.00	6.67
69	T	1,1,2-TRICHLOROETHANE	0.194	0.216	-11.3	100	0.00	6.82
70	T	2-HEXANONE	0.315	0.303	3.8	102	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.372	1.6	93	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.308	-14.9	105	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.464	-13.7	98	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.401	-12.6	97	0.00	8.06
75	T	OCTANE	0.479	0.526	-9.8	101	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.343	-7.2	94	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.663	-13.9	101	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.016	-3.1	96	0.00	10.99
80	t	M,P-XYLENE	0.772	0.802	-3.9	95	0.00	11.41
81	t	O-XYLENE	0.775	0.809	-4.4	96	0.00	12.35
82	T	STYRENE	0.555	0.633	-14.1	97	0.00	12.14
83	T	NONANE	0.533	0.579	-8.6	99	0.00	13.47
84	T	BROMOFORM	0.383	0.476	-24.3	106	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.596	-15.5	102	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.456	-10.7	96	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.735	-1.2	96	0.00	13.39
88	T	ISOPROPYLBENZENE	0.296	0.339	-14.5	101	0.00	13.86
89	T	BROMOBENZENE	0.552	0.577	-4.5	93	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.317	-17.8	101	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.355	-18.3	101	0.00	15.19
92	T	4-ETHYLTOLUENE	1.077	1.189	-10.4	97	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.981	-8.3	96	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.538	-16.2	100	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.247	-13.8	101	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.004	-9.8	97	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.674	16.8	70	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.739	-18.4	104	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.714	-17.6	104	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.682	-15.8	104	0.00	17.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W459-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W13010.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.311	-15.2	100	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	0.985	-7.5	96	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.337	-12.3	98	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.338	-15.4	100	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.367	-5.2	88	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.535	-22.1	107	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.580	-15.3	94	0.00	18.32
108	T	NAPHTHALENE	1.117	1.258	-12.6	93	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	97	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.527	-6.6	104	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Wed Feb 26 19:03:51 2025

6.9.17
6

Continuing Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W459-ECC405
Lab FileID: 7W13041.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...5 NS\V7W459\7w13041.D Vial: 1
Acq On : 27 Feb 2025 6:41 am Operator: williamc
Sample : ecc405-10 Inst : MS7W
Misc : MS89682,v7w459,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 50% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	99	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.504	-5.9	99	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.219	9.5	89	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.231	-5.7	99	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.512	-0.8	95	0.00	1.67
7	T	PROPYLENE	0.656	0.647	1.4	104	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.648	10.8	85	0.00	1.70
9	T	FREON 114	1.978	2.083	-5.3	99	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.274	-5.8	110	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.983	-17.6	110	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.756	-6.0	113	0.00	1.81
13	T	N-BUTANE	1.297	1.322	-1.9	106	0.00	1.82
14	T	BROMOMETHANE	0.748	0.806	-7.8	106	0.00	1.88
15	T	CHLOROETHANE	0.453	0.512	-13.0	111	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.823	-3.4	99	0.00	1.96
17	T	ACETONITRILE	0.804	0.828	-3.0	109	0.00	2.03
18	T	ACROLEIN	0.422	0.433	-2.6	110	0.00	2.06
19	T	FREON 123	1.903	2.030	-6.7	105	0.00	2.08
20	T	FREON 123A	1.185	1.226	-3.5	100	0.00	2.10
21	T	TRICHLOROFLUOROMETHANE	2.196	2.126	3.2	89	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	2.011	-8.5	112	0.00	2.18
23	T	ACETONE	0.581	0.521	10.3	114	0.00	2.10
24	T	PENTANE	0.890	0.953	-7.1	107	0.00	2.27
25	T	IODOMETHANE	2.012	2.183	-8.5	101	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.871	-0.5	105	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.299	-6.5	100	0.00	2.50
28	T	ETHANOL	0.507	0.632	-24.7	134	0.00	1.96
29	T	BROMOETHENE	0.797	0.838	-5.1	102	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.681	5.3	110	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.783	1.0	105	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.400	2.9	95	0.00	2.44
33	T	FREON 113	1.313	1.452	-10.6	103	0.00	2.50
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.943	-4.4	106	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	1.910	10.4	87	0.00	2.38
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.346	9.1	88	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.437	-9.2	99	0.00	3.51
38	T	HEXANE	1.647	1.696	-3.0	104	0.00	3.28
39	T	VINYL ACETATE	0.244	0.228	6.6	89	0.00	2.87
40	T	1,1-DICHLOROETHANE	1.615	1.699	-5.2	99	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.453	-2.0	97	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.979	-5.3	99	0.00	3.15

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W459-ECC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W13041.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.472	-3.5	102	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.334	-5.7	99	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.932	-4.4	99	0.00	3.27
46	T	CHLOROFORM	1.828	1.838	-0.5	95	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.937	-6.4	103	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	1.851	5.6	89	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	1.879	3.3	84	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.293	5.5	88	0.00	3.70
51	t	BENZENE	2.671	2.687	-0.6	98	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	4.50
53	T	CYCLOHEXANE	0.236	0.256	-8.5	99	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.129	-4.0	97	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.274	-7.9	97	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.241	-11.1	102	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.257	-7.5	104	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.490	-6.3	95	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.425	-4.9	92	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.073	-11.5	103	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.141	0.7	94	0.00	5.08
62	T	HEPTANE	0.338	0.366	-8.3	100	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.212	2.3	94	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.211	-4.5	102	0.00	6.10
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.341	-0.3	88	0.00	5.99
66	T	TOLUENE	0.707	0.725	-2.5	97	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.349	-5.8	94	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.303	5.0	83	0.00	6.67
69	T	1,1,2-TRICHLOROETHANE	0.194	0.211	-8.8	99	0.00	6.82
70	T	2-HEXANONE	0.315	0.295	6.3	101	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.364	3.7	92	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.301	-12.3	104	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.454	-11.3	97	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.391	-9.8	96	0.00	8.06
75	T	OCTANE	0.479	0.514	-7.3	100	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.335	-4.7	92	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.655	-12.5	100	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.993	-0.8	95	0.00	10.99
80	t	M,P-XYLENE	0.772	0.790	-2.3	94	0.00	11.41
81	t	O-XYLENE	0.775	0.791	-2.1	94	0.00	12.35
82	T	STYRENE	0.555	0.620	-11.7	96	0.00	12.14
83	T	NONANE	0.533	0.570	-6.9	98	0.00	13.47
84	T	BROMOFORM	0.383	0.458	-19.6	103	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.584	-13.2	100	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.448	-8.7	94	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.734	-1.1	96	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.333	-12.5	99	0.00	13.86
89	T	BROMOBENZENE	0.552	0.567	-2.7	92	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.314	-16.7	100	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.350	-16.7	100	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.169	-8.5	96	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.966	-6.6	95	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.526	-13.6	98	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.240	-10.6	98	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	0.985	-7.8	96	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.650	19.8	68	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.728	-16.7	103	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.705	-16.1	103	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.668	-13.4	102	0.00	17.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W459-ECC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W13041.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.302	-11.9	97	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	0.967	-5.6	95	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.330	-10.0	97	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.328	-11.9	97	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.350	-0.3	84	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.508	-16.0	102	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.590	-17.3	96	0.00	18.32
108	T	NAPHTHALENE	1.117	1.242	-11.2	92	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	99	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.421	-4.1	103	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Thu Feb 27 17:53:53 2025

6.9.18
6

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W501-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W14395.D
Project: BECOS Former Griffiss AFB, Rome, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2025\V7W501\7w14395.D Vial: 1
Acq On : 13 Apr 2025 3:12 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	94	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.585	-22.9	109	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.255	-5.4	98	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.285	-10.3	98	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.946	-18.2	106	0.00	1.67
7	T	PROPYLENE	0.656	0.513	21.8	79	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.979	-7.1	97	0.00	1.71
9	T	FREON 114	1.978	2.402	-21.4	108	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.221	14.7	85	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.983	-17.6	105	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.645	9.5	91	0.00	1.81
13	T	N-BUTANE	1.297	0.954	26.4	73	0.00	1.83
14	T	BROMOMETHANE	0.748	0.893	-19.4	112	0.00	1.89
15	T	CHLOROETHANE	0.453	0.526	-16.1	109	0.00	1.94
16	T	DICHLOROFLUOROMETHANE	1.763	2.107	-19.5	109	0.00	1.96
17	T	ACETONITRILE	0.804	0.576	28.4	72	0.00	2.03
18	T	ACROLEIN	0.422	0.402	4.7	97	0.00	2.06
19	T	FREON 123	1.903	2.339	-22.9	115	0.00	2.08
20	T	FREON 123A	1.185	1.314	-10.9	102	0.00	2.10
21	T	TRICHLOROFLUOROMETHANE	2.196	2.526	-15.0	101	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.494	19.4	79	0.00	2.18
23	T	ACETONE	0.581	0.488	16.0	101	0.00	2.10
24	T	PENTANE	0.890	0.705	20.8	75	0.00	2.28
25	T	IODOMETHANE	2.012	2.211	-9.9	97	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.972	-12.1	111	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.612	-21.0	108	0.00	2.50
28	T	ETHANOL	0.507	0.376	25.8	76	0.00	1.96
29	T	BROMOETHENE	0.797	0.917	-15.1	106	0.00	2.04
30	T	ACRYLONITRILE	0.719	0.568	21.0	87	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.886	-12.0	113	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.477	-15.8	108	0.00	2.44
33	T	FREON 113	1.313	1.438	-9.5	97	0.00	2.50
34	T	TRANS-1,2-DICHLOROETHENE	0.903	1.044	-15.6	111	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.079	2.4	90	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.790	-8.1	99	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.487	-21.7	105	0.00	3.51
38	T	HEXANE	1.647	1.606	2.5	93	0.00	3.28
39	T	VINYL ACETATE	0.244	0.270	-10.7	100	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.810	-12.1	100	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.519	-16.9	105	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	1.059	-13.9	102	0.00	3.15

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W501-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W14395.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.474	-3.9	97	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.344	-8.9	96	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.781	3.7	86	0.00	3.27
46	T	CHLOROFORM	1.828	2.095	-14.6	102	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.857	-2.0	93	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.173	-10.9	99	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	2.139	-10.0	91	0.00	4.29
50	T	1,2-DICHLOROETHANE	1.368	1.410	-3.1	91	0.00	3.70
51	t	BENZENE	2.671	3.112	-16.5	108	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00	4.50
53	T	CYCLOHEXANE	0.236	0.261	-10.6	102	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.134	-8.1	102	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.283	-11.4	102	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.236	-8.8	101	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.245	-2.5	100	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.441	4.3	86	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.462	-14.1	101	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	0.964	-0.2	93	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.152	-7.0	103	0.00	5.08
62	T	HEPTANE	0.338	0.267	21.0	74	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.224	-3.2	100	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.197	2.5	96	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.378	-11.2	99	0.00	5.99
66	T	TOLUENE	0.707	0.751	-6.2	101	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.373	-13.0	102	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.341	-6.9	95	0.00	6.67
69	T	1,1,2-TRICHLOROETHANE	0.194	0.219	-12.9	104	0.00	6.82
70	T	2-HEXANONE	0.315	0.274	13.0	94	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.390	-3.2	100	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.277	-3.4	96	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.429	-5.1	93	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.387	-8.7	96	0.00	8.06
75	T	OCTANE	0.479	0.373	22.1	73	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.306	4.4	87	0.00	10.13
78	T	CHLOROBENZENE	0.582	0.597	-2.6	94	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.025	-4.1	101	0.00	10.99
80	t	M,P-XYLENE	0.772	0.834	-8.0	102	0.00	11.42
81	t	O-XYLENE	0.775	0.839	-8.3	103	0.00	12.34
82	T	STYRENE	0.555	0.612	-10.3	97	0.00	12.14
83	T	NONANE	0.533	0.414	22.3	74	0.00	13.47
84	T	BROMOFORM	0.383	0.440	-14.9	102	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.596	-15.5	105	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.478	-16.0	104	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.817	-12.5	110	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.303	-2.4	93	0.00	13.86
89	T	BROMOBENZENE	0.552	0.625	-13.2	104	0.00	13.73
90	T	2-CHLOROTOLUENE	0.269	0.266	1.1	87	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.314	-4.7	92	0.00	15.19
92	T	4-ETHYLTOLUENE	1.077	1.195	-11.0	101	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.998	-10.2	101	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.493	-6.5	95	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.205	5.5	86	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.019	-11.5	102	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.808	0.2	87	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.642	-2.9	93	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.628	-3.5	94	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.599	-1.7	94	0.00	17.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W501-CC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W14395.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.264	2.2	88	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.011	-10.4	102	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.290	3.3	87	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.284	3.1	87	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.367	-5.2	91	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.576	-31.5#	119	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.599	-19.1	100	0.00	18.32
108	T	NAPHTHALENE	1.117	1.174	-5.1	90	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	94	0.00	3.23
110		TVHC as equiv Pentane	4.246	3.645	14.2	81	0.00	2.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Tue Apr 15 05:29:00 2025

Continuing Calibration Summary

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Sample: V7W501-ECC405
Lab FileID: 7W14422.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\m...2025\V7W501\7w14422.D Vial: 1
Acq On : 14 Apr 2025 10:43 am Operator: benk
Sample : ecc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 50% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.596	-25.2	115	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.265	-9.5	105	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.315	-12.9	104	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.982	-19.6	111	0.00	1.67
7	T	PROPYLENE	0.656	0.532	18.9	84	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.979	-7.1	100	0.00	1.70
9	T	FREON 114	1.978	2.431	-22.9	113	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.227	12.4	90	0.00	1.71
11	T	VINYL CHLORIDE	0.836	1.006	-20.3	111	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.663	7.0	97	0.00	1.81
13	T	N-BUTANE	1.297	0.983	24.2	77	0.00	1.83
14	T	BROMOMETHANE	0.748	0.908	-21.4	118	0.00	1.88
15	T	CHLOROETHANE	0.453	0.549	-21.2	117	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.124	-20.5	113	0.00	1.96
17	T	ACETONITRILE	0.804	0.601	25.2	78	0.00	2.03
18	T	ACROLEIN	0.422	0.408	3.3	101	0.00	2.06
19	T	FREON 123	1.903	2.387	-25.4	121	0.00	2.08
20	T	FREON 123A	1.185	1.329	-12.2	107	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.529	-15.2	104	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.560	15.8	85	0.00	2.17
23	T	ACETONE	0.581	0.494	15.0	106	0.00	2.10
24	T	PENTANE	0.890	0.729	18.1	80	0.00	2.27
25	T	IODOMETHANE	2.012	2.232	-10.9	101	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.987	-13.8	116	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.669	-23.6	114	0.00	2.50
28	T	ETHANOL	0.507	0.384	24.3	80	0.00	1.96
29	T	BROMOETHENE	0.797	0.927	-16.3	111	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.583	18.9	93	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.907	-14.7	119	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.486	-18.0	114	0.00	2.44
33	T	FREON 113	1.313	1.469	-11.9	102	0.00	2.50
34	T	TRANS-1,2-DICHLOROETHENE	0.903	1.038	-15.0	114	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.088	2.0	93	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.812	-9.0	103	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.495	-23.7	110	0.00	3.51
38	T	HEXANE	1.647	1.642	0.3	98	0.00	3.28
39	T	VINYL ACETATE	0.244	0.275	-12.7	106	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.864	-15.4	107	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.526	-18.5	110	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	1.077	-15.8	107	0.00	3.15

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W501-ECC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W14422.D
Project: BECOS Former Griffiss AFB, Rome, NY

43	T	DIISOPROPYL ETHER	0.456	0.483	-5.9	102	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.347	-9.8	101	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.825	1.4	91	0.00	3.27
46	T	CHLOROFORM	1.828	2.117	-15.8	107	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.888	-3.7	98	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.183	-11.4	103	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	2.102	-8.1	93	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.416	-3.5	95	0.00	3.70
51	t	BENZENE	2.671	3.168	-18.6	113	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	100	0.00	4.50
53	T	CYCLOHEXANE	0.236	0.267	-13.1	109	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.137	-10.5	108	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.285	-12.2	106	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.239	-10.1	106	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.248	-3.8	106	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.443	3.9	90	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.457	-12.8	104	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	0.980	-1.9	98	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.153	-7.7	107	0.00	5.08
62	T	HEPTANE	0.338	0.275	18.6	79	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.228	-5.1	106	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.199	1.5	101	0.00	6.10
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.379	-11.5	103	0.00	5.99
66	T	TOLUENE	0.707	0.765	-8.2	107	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.378	-14.5	107	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.340	-6.6	98	0.00	6.67
69	T	1,1,2-TRICHLOROETHANE	0.194	0.223	-14.9	110	0.00	6.82
70	T	2-HEXANONE	0.315	0.277	12.1	99	0.00	7.75
71	T	ETHYL METHACRYLATE	0.378	0.394	-4.2	105	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.281	-4.9	102	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.424	-3.9	96	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.390	-9.6	101	0.00	8.06
75	T	OCTANE	0.479	0.381	20.5	78	0.00	9.05
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	101	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.308	3.8	90	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.607	-4.3	98	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.043	-5.9	105	0.00	10.99
80	t	M,P-XYLENE	0.772	0.853	-10.5	107	0.00	11.41
81	t	O-XYLENE	0.775	0.852	-9.9	107	0.00	12.35
82	T	STYRENE	0.555	0.625	-12.6	102	0.00	12.14
83	T	NONANE	0.533	0.425	20.3	77	0.00	13.47
84	T	BROMOFORM	0.383	0.432	-12.8	102	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.612	-18.6	111	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.486	-18.0	108	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.811	-11.7	113	0.00	13.39
88	T	ISOPROPYLBENZENE	0.296	0.309	-4.4	97	0.00	13.86
89	T	BROMOBENZENE	0.552	0.633	-14.7	108	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.268	0.4	91	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.322	-7.3	97	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.214	-12.7	105	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	1.016	-12.1	106	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.503	-8.6	99	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.208	4.1	90	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.033	-13.0	106	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.801	1.1	88	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.652	-4.5	97	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.635	-4.6	98	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.604	-2.5	98	0.00	17.01

Continuing Calibration Summary

Job Number: JE8598 **Sample:** V7W501-ECC405
Account: BHATCOL Bhate Environmental Associates, Inc. **Lab FileID:** 7W14422.D
Project: BECOS Former Griffiss AFB, Rome, NY

101	T	SEC-BUTYLBENZENE	0.270	0.263	2.6	90	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.024	-11.8	106	0.00	16.95
103	T	P-ISOPROPYLTOLUENE	0.300	0.291	3.0	90	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.289	1.4	91	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.359	-2.9	92	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.587	-34.0	125	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.600	-19.3	103	0.00	18.32
108	T	NAPHTHALENE	1.117	1.177	-5.4	92	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	97	0.00	3.23
110		TVHC as equiv Pentane	4.246	3.698	12.9	85	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Tue Apr 15 06:23:28 2025

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V5W2144	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2144-BFB	5W55993.D	01/08/25 23:56	n/a	BFB Tune
V5W2144-IC2144	5W55994.D	01/09/25 00:36	n/a	Initial cal 0.04
V5W2144-IC2144	5W55995.D	01/09/25 01:16	n/a	Initial cal 0.1
V5W2144-IC2144	5W55996.D	01/09/25 01:59	n/a	Initial cal 0.2
V5W2144-IC2144	5W56001.D	01/09/25 05:39	n/a	Initial cal 5
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	n/a	Initial cal 10
V5W2144-IC2144	5W56003.D	01/09/25 07:03	n/a	Initial cal 20
V5W2144-IC2144	5W56004.D	01/09/25 07:49	n/a	Initial cal 40
V5W2144-IC2144	5W56005.D	01/09/25 08:36	n/a	Initial cal 50
V5W2144-IC2144	5W56013.D	01/09/25 15:02	n/a	Initial cal 0.5
V5W2144-ICV2144	5W56014.D	01/09/25 15:42	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V5W2159	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2159-BFB	5W56370.D	01/24/25 08:54	n/a	BFB Tune
V5W2159-CC2144	5W56371.D	01/24/25 09:35	n/a	Continuing cal 10
V5W2159-BS	5W56372.D	01/24/25 10:39	n/a	Blank Spike
V5W2159-BSD	5W56373.D	01/24/25 11:19	n/a	Blank Spike Duplicate
V5W2159-MB	5W56377.D	01/24/25 15:16	n/a	Method Blank
V5W2159-SCC	5W56378.D	01/24/25 16:13	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56379.D	01/24/25 17:00	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56381.D	01/24/25 18:32	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56382.D	01/24/25 19:18	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56385.D	01/24/25 21:36	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56388.D	01/24/25 23:55	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56389.D	01/25/25 00:41	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56390.D	01/25/25 01:27	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56391.D	01/25/25 02:08	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56392.D	01/25/25 02:49	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56393.D	01/25/25 03:30	n/a	Summa Cleaning Certification
V5W2159-SCC	5W56394.D	01/25/25 04:10	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V6W1441	**Method:** TO-15 (BY SIM)	**Instrument ID:** GCMS6W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V6W1441-BFB	6W34719.D	01/29/25 19:24	n/a	BFB Tune
V6W1441-IC1441	6W34720.D	01/29/25 20:02	n/a	Initial cal 0.02
V6W1441-IC1441	6W34721.D	01/29/25 20:39	n/a	Initial cal 0.05
V6W1441-ICC1441	6W34722.D	01/29/25 21:16	n/a	Initial cal 0.10
V6W1441-IC1441	6W34723.D	01/29/25 21:55	n/a	Initial cal 0.20
V6W1441-IC1441	6W34724.D	01/29/25 22:40	n/a	Initial cal 0.50
V6W1441-IC1441	6W34730.D	01/30/25 02:25	n/a	Initial cal 1.0
V6W1441-IC1441	6W34732.D	01/30/25 03:50	n/a	Initial cal 5.0
V6W1441-IC1441	6W34736.D	01/30/25 06:31	n/a	Initial cal 0.002
V6W1441-IC1441	6W34737.D	01/30/25 07:08	n/a	Initial cal 0.005
V6W1441-IC1441	6W34738.D	01/30/25 07:46	n/a	Initial cal 0.01
V6W1441-ICV1441	6W34746.D	01/30/25 14:42	n/a	Initial cal verification 0.1

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V6W1442 **Method:** TO-15 (BY SIM) **Instrument ID:** GCMS6W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V6W1442-BFB	6W34747.D	01/30/25 16:13	n/a	BFB Tune
V6W1442-CC1441	6W34748.D	01/30/25 16:50	n/a	Continuing cal 0.1
V6W1442-BS	6W34749.D	01/30/25 18:32	n/a	Blank Spike
V6W1442-BSD	6W34750.D	01/30/25 19:09	n/a	Blank Spike Duplicate
V6W1442-MB	6W34753.D	01/30/25 21:08	n/a	Method Blank
V6W1442-SCC	6W34754.D	01/30/25 21:51	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34755.D	01/30/25 22:34	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34756.D	01/30/25 23:16	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34757.D	01/30/25 23:59	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34758.D	01/31/25 00:41	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34759.D	01/31/25 01:23	n/a	Summa Cleaning Certification
ZZZZZZ	6W34760.D	01/31/25 02:06	n/a	(unrelated sample)
ZZZZZZ	6W34761.D	01/31/25 02:49	n/a	(unrelated sample)
ZZZZZZ	6W34762.D	01/31/25 03:32	n/a	(unrelated sample)
JE4441-4	6W34763.D	01/31/25 04:14	n/a	(used for QC only; not part of job JE8598)
JE4441-4DUP	6W34764.D	01/31/25 04:57	n/a	Duplicate
ZZZZZZ	6W34765.D	01/31/25 05:40	n/a	(unrelated sample)
JE4458-2	6W34766.D	01/31/25 06:22	n/a	(used for QC only; not part of job JE8598)
JE4458-2DUP	6W34767.D	01/31/25 07:05	n/a	Duplicate
ZZZZZZ	6W34768.D	01/31/25 07:49	n/a	(unrelated sample)
ZZZZZZ	6W34769.D	01/31/25 08:32	n/a	(unrelated sample)
ZZZZZZ	6W34770.D	01/31/25 09:15	n/a	(unrelated sample)
ZZZZZZ	6W34771.D	01/31/25 10:41	n/a	(unrelated sample)
ZZZZZZ	6W34772.D	01/31/25 11:46	n/a	(unrelated sample)
JE4678-3	6W34773.D	01/31/25 12:29	n/a	(used for QC only; not part of job JE8598)
JE4678-3DUP	6W34774.D	01/31/25 13:11	n/a	Duplicate
ZZZZZZ	6W34775.D	01/31/25 13:54	n/a	(unrelated sample)
V6W1442-SCC	6W34776.D	01/31/25 14:36	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34777.D	01/31/25 15:18	n/a	Summa Cleaning Certification
V6W1442-SCC	6W34778.D	01/31/25 16:01	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V6W1452	**Method:** TO-15 (BY SIM)	**Instrument ID:** GCMS6W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V6W1452-BFB	6W35012.D	02/25/25 11:58	n/a	BFB Tune
V6W1452-CC1441	6W35013.D	02/25/25 12:35	n/a	Continuing cal 0.1
V6W1452-BS	6W35015.D	02/25/25 14:56	n/a	Blank Spike
V6W1452-BSD	6W35016.D	02/25/25 16:24	n/a	Blank Spike Duplicate
V6W1452-MB	6W35018.D	02/25/25 18:11	n/a	Method Blank
V6W1452-SCC	6W35019.D	02/25/25 19:20	n/a	Summa Cleaning Certification
V6W1452-SCC	6W35020.D	02/25/25 20:03	n/a	Summa Cleaning Certification
V6W1452-SCC	6W35021.D	02/25/25 20:46	n/a	Summa Cleaning Certification
V6W1452-SCC	6W35023.D	02/25/25 22:12	n/a	Summa Cleaning Certification
V6W1452-SCC	6W35024.D	02/26/25 09:34	n/a	Summa Cleaning Certification
V6W1452-SCC	6W35025.D	02/26/25 10:16	n/a	Summa Cleaning Certification
V6W1452-SCC	6W35026.D	02/26/25 10:59	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V6W1468	**Method:** TO-15 (BY SIM)	**Instrument ID:** GCMS6W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V6W1468-BFB	6W35362.D	04/04/25 15:48	n/a	BFB Tune
V6W1468-CC1441	6W35364.D	04/04/25 17:04	n/a	Continuing cal 0.1
V6W1468-BS	6W35365.D	04/04/25 17:41	n/a	Blank Spike
V6W1468-BSD	6W35367.D	04/04/25 19:01	n/a	Blank Spike Duplicate
V6W1468-MB	6W35369.D	04/04/25 20:26	n/a	Method Blank
ZZZZZZ	6W35370.D	04/04/25 21:14	n/a	(unrelated sample)
ZZZZZZ	6W35371.D	04/04/25 22:00	n/a	(unrelated sample)
ZZZZZZ	6W35372.D	04/04/25 22:43	n/a	(unrelated sample)
ZZZZZZ	6W35373.D	04/04/25 23:25	n/a	(unrelated sample)
ZZZZZZ	6W35374.D	04/05/25 00:08	n/a	(unrelated sample)
ZZZZZZ	6W35375.D	04/05/25 00:50	n/a	(unrelated sample)
ZZZZZZ	6W35376.D	04/05/25 01:33	n/a	(unrelated sample)
ZZZZZZ	6W35377.D	04/05/25 02:15	n/a	(unrelated sample)
ZZZZZZ	6W35378.D	04/05/25 02:58	n/a	(unrelated sample)
ZZZZZZ	6W35379.D	04/05/25 03:45	n/a	(unrelated sample)
JE8460-2	6W35380.D	04/05/25 04:32	n/a	(used for QC only; not part of job JE8598)
JE8460-2DUP	6W35381.D	04/05/25 05:18	n/a	Duplicate
ZZZZZZ	6W35382.D	04/05/25 06:05	n/a	(unrelated sample)
ZZZZZZ	6W35383.D	04/05/25 06:51	n/a	(unrelated sample)
ZZZZZZ	6W35384.D	04/05/25 07:39	n/a	(unrelated sample)
JE8598-5	6W35385.D	04/05/25 08:22	n/a	785-IA-1-0327
JE8598-6	6W35386.D	04/05/25 09:05	n/a	785-IA-2-0327
JE8598-10	6W35387.D	04/05/25 09:47	n/a	786-IA-1-0327
V6W1468-ECC1441	6W35388.D	04/05/25 10:25	n/a	Ending cal 0.1

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W405	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W405-BFB	7W11232.D	12/28/24 08:40	n/a	BFB Tune
V7W405-IC405	7W11233.D	12/28/24 09:16	n/a	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24 09:53	n/a	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24 10:32	n/a	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24 11:51	n/a	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24 12:34	n/a	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24 13:47	n/a	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24 14:25	n/a	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24 15:08	n/a	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24 15:52	n/a	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24 18:36	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W423	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W423-BFB	7W11817.D	01/16/25 10:57	n/a	BFB Tune
V7W423-CC405	7W11818.D	01/16/25 11:34	n/a	Continuing cal 10
V7W423-BS	7W11819.D	01/16/25 12:16	n/a	Blank Spike
V7W423-BSD	7W11820.D	01/16/25 12:54	n/a	Blank Spike Duplicate
V7W423-MB	7W11822.D	01/16/25 14:19	n/a	Method Blank
JE3528-1	7W11824.D	01/16/25 16:06	n/a	(used for QC only; not part of job JE8598)
JE3528-1DUP	7W11825.D	01/16/25 16:46	n/a	Duplicate
V7W423-SCC	7W11830.D	01/16/25 20:03	n/a	Summa Cleaning Certification
V7W423-SCC	7W11831.D	01/16/25 20:47	n/a	Summa Cleaning Certification
V7W423-SCC	7W11832.D	01/16/25 21:31	n/a	Summa Cleaning Certification
V7W423-SCC	7W11833.D	01/16/25 22:16	n/a	Summa Cleaning Certification
V7W423-SCC	7W11834.D	01/16/25 22:59	n/a	Summa Cleaning Certification
V7W423-SCC	7W11835.D	01/16/25 23:45	n/a	Summa Cleaning Certification
V7W423-SCC	7W11837.D	01/17/25 01:13	n/a	Summa Cleaning Certification
V7W423-SCC	7W11838.D	01/17/25 01:57	n/a	Summa Cleaning Certification
V7W423-SCC	7W11839.D	01/17/25 02:42	n/a	Summa Cleaning Certification
V7W423-SCC	7W11840.D	01/17/25 03:26	n/a	Summa Cleaning Certification
V7W423-SCC	7W11841.D	01/17/25 04:10	n/a	Summa Cleaning Certification
V7W423-SCC	7W11843.D	01/17/25 05:39	n/a	Summa Cleaning Certification
ZZZZZZ	7W11844.D	01/17/25 06:24	n/a	(unrelated sample)
ZZZZZZ	7W11845.D	01/17/25 07:08	n/a	(unrelated sample)
ZZZZZZ	7W11846.D	01/17/25 07:53	n/a	(unrelated sample)
ZZZZZZ	7W11847.D	01/17/25 08:38	n/a	(unrelated sample)
ZZZZZZ	7W11848.D	01/17/25 09:23	n/a	(unrelated sample)
ZZZZZZ	7W11849.D	01/17/25 10:02	n/a	(unrelated sample)
ZZZZZZ	7W11850.D	01/17/25 10:42	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W424	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W424-BFB	7W11851.D	01/17/25 11:56	n/a	BFB Tune
V7W424-CC405	7W11852.D	01/17/25 12:35	n/a	Continuing cal 10
V7W424-BS	7W11854.D	01/17/25 13:58	n/a	Blank Spike
V7W424-BSD	7W11855.D	01/17/25 14:36	n/a	Blank Spike Duplicate
V7W424-MB	7W11857.D	01/17/25 16:04	n/a	Method Blank
JE3905-2	7W11858.D	01/17/25 16:47	n/a	(used for QC only; not part of job JE8598)
JE3905-2DUP	7W11859.D	01/17/25 17:27	n/a	Duplicate
ZZZZZZ	7W11860.D	01/17/25 18:06	n/a	(unrelated sample)
V7W424-SCC	7W11861.D	01/17/25 18:44	n/a	Summa Cleaning Certification
V7W424-SCC	7W11862.D	01/17/25 19:23	n/a	Summa Cleaning Certification
V7W424-SCC	7W11863.D	01/17/25 20:01	n/a	Summa Cleaning Certification
V7W424-SCC	7W11864.D	01/17/25 20:39	n/a	Summa Cleaning Certification
ZZZZZZ	7W11865.D	01/17/25 21:19	n/a	(unrelated sample)
ZZZZZZ	7W11867.D	01/17/25 22:35	n/a	(unrelated sample)
ZZZZZZ	7W11869.D	01/17/25 23:55	n/a	(unrelated sample)
ZZZZZZ	7W11871.D	01/18/25 01:11	n/a	(unrelated sample)
ZZZZZZ	7W11873.D	01/18/25 02:28	n/a	(unrelated sample)
ZZZZZZ	7W11874.D	01/18/25 03:06	n/a	(unrelated sample)
ZZZZZZ	7W11875.D	01/18/25 03:45	n/a	(unrelated sample)
ZZZZZZ	7W11876.D	01/18/25 04:25	n/a	(unrelated sample)
ZZZZZZ	7W11877.D	01/18/25 05:04	n/a	(unrelated sample)
ZZZZZZ	7W11878.D	01/18/25 05:43	n/a	(unrelated sample)
ZZZZZZ	7W11879.D	01/18/25 06:22	n/a	(unrelated sample)
ZZZZZZ	7W11880.D	01/18/25 07:07	n/a	(unrelated sample)
ZZZZZZ	7W11881.D	01/18/25 07:52	n/a	(unrelated sample)
ZZZZZZ	7W11882.D	01/18/25 08:37	n/a	(unrelated sample)
ZZZZZZ	7W11883.D	01/18/25 09:21	n/a	(unrelated sample)
V7W424-SCC	7W11885.D	01/18/25 10:49	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W426	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W426-BFB	7W11928.D	01/19/25 22:14	n/a	BFB Tune
V7W426-CC405	7W11930.D	01/19/25 23:30	n/a	Continuing cal 10
V7W426-BS	7W11931.D	01/20/25 00:08	n/a	Blank Spike
V7W426-BSD	7W11932.D	01/20/25 00:46	n/a	Blank Spike Duplicate
V7W426-MB	7W11934.D	01/20/25 02:09	n/a	Method Blank
ZZZZZZ	7W11935.D	01/20/25 02:48	n/a	(unrelated sample)
ZZZZZZ	7W11937.D	01/20/25 04:06	n/a	(unrelated sample)
ZZZZZZ	7W11939.D	01/20/25 05:22	n/a	(unrelated sample)
JE4060-1	7W11945.D	01/20/25 09:17	n/a	(used for QC only; not part of job JE8598)
JE4060-1DUP	7W11946.D	01/20/25 09:55	n/a	Duplicate
V7W426-SCC	7W11947.D	01/20/25 10:40	n/a	Summa Cleaning Certification
V7W426-SCC	7W11948.D	01/20/25 11:24	n/a	Summa Cleaning Certification
V7W426-SCC	7W11949.D	01/20/25 12:08	n/a	Summa Cleaning Certification
V7W426-SCC	7W11950.D	01/20/25 12:52	n/a	Summa Cleaning Certification
V7W426-SCC	7W11951.D	01/20/25 13:35	n/a	Summa Cleaning Certification
V7W426-SCC	7W11952.D	01/20/25 14:19	n/a	Summa Cleaning Certification
V7W426-SCC	7W11953.D	01/20/25 15:03	n/a	Summa Cleaning Certification
V7W426-SCC	7W11954.D	01/20/25 15:47	n/a	Summa Cleaning Certification
V7W426-SCC	7W11955.D	01/20/25 16:30	n/a	Summa Cleaning Certification
ZZZZZZ	7W11956.D	01/20/25 17:12	n/a	(unrelated sample)
ZZZZZZ	7W11958.D	01/20/25 18:30	n/a	(unrelated sample)
ZZZZZZ	7W11960.D	01/20/25 19:47	n/a	(unrelated sample)
V7W426-SCC	7W11961.D	01/20/25 20:25	n/a	Summa Cleaning Certification
V7W426-SCC	7W11962.D	01/20/25 21:04	n/a	Summa Cleaning Certification
V7W426-SCC	7W11963.D	01/20/25 21:42	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W431	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W431-BFB	7W12101.D	01/25/25 16:51	n/a	BFB Tune
V7W431-CC405	7W12102.D	01/25/25 18:18	n/a	Continuing cal 10
V7W431-BS	7W12103.D	01/25/25 18:57	n/a	Blank Spike
V7W431-BSD	7W12104.D	01/25/25 19:35	n/a	Blank Spike Duplicate
V7W431-MB	7W12106.D	01/25/25 20:59	n/a	Method Blank
JE4422-6	7W12107.D	01/25/25 21:39	n/a	(used for QC only; not part of job JE8598)
JE4422-6DUP	7W12108.D	01/25/25 22:18	n/a	Duplicate
ZZZZZZ	7W12109.D	01/25/25 22:58	n/a	(unrelated sample)
ZZZZZZ	7W12110.D	01/25/25 23:37	n/a	(unrelated sample)
ZZZZZZ	7W12111.D	01/26/25 00:16	n/a	(unrelated sample)
ZZZZZZ	7W12112.D	01/26/25 00:55	n/a	(unrelated sample)
ZZZZZZ	7W12113.D	01/26/25 01:34	n/a	(unrelated sample)
ZZZZZZ	7W12114.D	01/26/25 02:13	n/a	(unrelated sample)
ZZZZZZ	7W12115.D	01/26/25 02:52	n/a	(unrelated sample)
ZZZZZZ	7W12116.D	01/26/25 03:30	n/a	(unrelated sample)
ZZZZZZ	7W12117.D	01/26/25 04:16	n/a	(unrelated sample)
ZZZZZZ	7W12118.D	01/26/25 05:00	n/a	(unrelated sample)
ZZZZZZ	7W12119.D	01/26/25 05:45	n/a	(unrelated sample)
ZZZZZZ	7W12120.D	01/26/25 06:30	n/a	(unrelated sample)
ZZZZZZ	7W12121.D	01/26/25 07:15	n/a	(unrelated sample)
ZZZZZZ	7W12122.D	01/26/25 07:54	n/a	(unrelated sample)
ZZZZZZ	7W12123.D	01/26/25 08:34	n/a	(unrelated sample)
ZZZZZZ	7W12124.D	01/26/25 09:13	n/a	(unrelated sample)
ZZZZZZ	7W12125.D	01/26/25 09:52	n/a	(unrelated sample)
ZZZZZZ	7W12126.D	01/26/25 10:31	n/a	(unrelated sample)
ZZZZZZ	7W12127.D	01/26/25 11:09	n/a	(unrelated sample)
ZZZZZZ	7W12128.D	01/26/25 11:54	n/a	(unrelated sample)
ZZZZZZ	7W12129.D	01/26/25 12:43	n/a	(unrelated sample)
V7W431-SCC	7W12130.D	01/26/25 13:27	n/a	Summa Cleaning Certification
V7W431-SCC	7W12131.D	01/26/25 14:11	n/a	Summa Cleaning Certification
V7W431-SCC	7W12133.D	01/26/25 15:38	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W432	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W432-BFB	7W12136.D	01/26/25 17:54	n/a	BFB Tune
V7W432-CC405	7W12137.D	01/26/25 18:32	n/a	Continuing cal 10
V7W432-BS	7W12138.D	01/26/25 19:11	n/a	Blank Spike
V7W432-BSD	7W12139.D	01/26/25 19:49	n/a	Blank Spike Duplicate
V7W432-MB	7W12141.D	01/26/25 21:12	n/a	Method Blank
V7W432-SCC	7W12143.D	01/26/25 22:43	n/a	Summa Cleaning Certification
ZZZZZZ	7W12144.D	01/26/25 23:22	n/a	(unrelated sample)
ZZZZZZ	7W12146.D	01/27/25 00:38	n/a	(unrelated sample)
ZZZZZZ	7W12148.D	01/27/25 01:59	n/a	(unrelated sample)
ZZZZZZ	7W12150.D	01/27/25 03:16	n/a	(unrelated sample)
ZZZZZZ	7W12152.D	01/27/25 04:40	n/a	(unrelated sample)
ZZZZZZ	7W12154.D	01/27/25 05:57	n/a	(unrelated sample)
ZZZZZZ	7W12156.D	01/27/25 07:17	n/a	(unrelated sample)
ZZZZZZ	7W12158.D	01/27/25 08:36	n/a	(unrelated sample)
JE4046-1	7W12160.D	01/27/25 10:00	n/a	(used for QC only; not part of job JE8598)
JE4046-1DUP	7W12161.D	01/27/25 10:47	n/a	Duplicate
ZZZZZZ	7W12162.D	01/27/25 11:24	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W459	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W459-BFB	7W13009.D	02/26/25 09:08	n/a	BFB Tune
V7W459-CC405	7W13010.D	02/26/25 09:46	n/a	Continuing cal 10
V7W459-BS	7W13011.D	02/26/25 10:24	n/a	Blank Spike
V7W459-BSD	7W13012.D	02/26/25 11:01	n/a	Blank Spike Duplicate
V7W459-MB	7W13014.D	02/26/25 12:26	n/a	Method Blank
V7W459-SCC	7W13016.D	02/26/25 13:52	n/a	Summa Cleaning Certification
JE5908-6	7W13017.D	02/26/25 14:31	n/a	(used for QC only; not part of job JE8598)
JE5908-6DUP	7W13018.D	02/26/25 15:09	n/a	Duplicate
JE5794-1	7W13019.D	02/26/25 15:47	n/a	(used for QC only; not part of job JE8598)
JE5794-1DUP	7W13020.D	02/26/25 16:24	n/a	Duplicate
ZZZZZZ	7W13021.D	02/26/25 17:02	n/a	(unrelated sample)
ZZZZZZ	7W13022.D	02/26/25 17:39	n/a	(unrelated sample)
ZZZZZZ	7W13023.D	02/26/25 18:15	n/a	(unrelated sample)
ZZZZZZ	7W13024.D	02/26/25 18:53	n/a	(unrelated sample)
ZZZZZZ	7W13026.D	02/26/25 20:14	n/a	(unrelated sample)
ZZZZZZ	7W13027.D	02/26/25 20:59	n/a	(unrelated sample)
ZZZZZZ	7W13028.D	02/26/25 21:44	n/a	(unrelated sample)
ZZZZZZ	7W13029.D	02/26/25 22:30	n/a	(unrelated sample)
ZZZZZZ	7W13030.D	02/26/25 23:16	n/a	(unrelated sample)
ZZZZZZ	7W13031.D	02/27/25 00:00	n/a	(unrelated sample)
ZZZZZZ	7W13032.D	02/27/25 00:44	n/a	(unrelated sample)
ZZZZZZ	7W13033.D	02/27/25 01:30	n/a	(unrelated sample)
ZZZZZZ	7W13034.D	02/27/25 02:13	n/a	(unrelated sample)
ZZZZZZ	7W13035.D	02/27/25 02:52	n/a	(unrelated sample)
ZZZZZZ	7W13036.D	02/27/25 03:31	n/a	(unrelated sample)
ZZZZZZ	7W13037.D	02/27/25 04:10	n/a	(unrelated sample)
ZZZZZZ	7W13038.D	02/27/25 04:48	n/a	(unrelated sample)
ZZZZZZ	7W13039.D	02/27/25 05:26	n/a	(unrelated sample)
V7W459-ECC405	7W13041.D	02/27/25 06:41	n/a	Ending cal 10

Run Sequence Report

Job Number: JE8598
Account: BHATCOL Bhate Environmental Associates, Inc.
Project: BECOS Former Griffiss AFB, Rome, NY

Run ID: V7W501	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W501-BFB	7W14393.D	04/13/25 13:57	n/a	BFB Tune
V7W501-CC405	7W14395.D	04/13/25 15:12	n/a	Continuing cal 10
V7W501-BS	7W14396.D	04/13/25 15:50	n/a	Blank Spike
V7W501-BSD	7W14397.D	04/13/25 16:28	n/a	Blank Spike Duplicate
V7W501-MB	7W14399.D	04/13/25 17:52	n/a	Method Blank
JE8503-1	7W14400.D	04/13/25 18:37	n/a	(used for QC only; not part of job JE8598)
JE8503-1DUP	7W14401.D	04/13/25 19:24	n/a	Duplicate
ZZZZZZ	7W14402.D	04/13/25 20:11	n/a	(unrelated sample)
ZZZZZZ	7W14403.D	04/13/25 20:55	n/a	(unrelated sample)
ZZZZZZ	7W14404.D	04/13/25 21:41	n/a	(unrelated sample)
ZZZZZZ	7W14405.D	04/13/25 22:26	n/a	(unrelated sample)
ZZZZZZ	7W14406.D	04/13/25 23:11	n/a	(unrelated sample)
ZZZZZZ	7W14407.D	04/13/25 23:55	n/a	(unrelated sample)
ZZZZZZ	7W14408.D	04/14/25 00:35	n/a	(unrelated sample)
ZZZZZZ	7W14409.D	04/14/25 01:15	n/a	(unrelated sample)
JE8598-3	7W14410.D	04/14/25 02:00	n/a	785VMP-4-0327
JE8598-1	7W14411.D	04/14/25 02:45	n/a	785VMP-2-0325
JE8598-2	7W14412.D	04/14/25 03:29	n/a	785VMP-2-0325-A
JE8598-4	7W14414.D	04/14/25 04:58	n/a	785VMP-5-0327
JE8598-7	7W14415.D	04/14/25 05:43	n/a	786VMP-1-0327
JE8598-8	7W14416.D	04/14/25 06:28	n/a	786VMP-2-0327
JE8598-9	7W14417.D	04/14/25 07:12	n/a	786VMP-3-0327
JE8598-11	7W14418.D	04/14/25 07:56	n/a	785-OA-1-0327
ZZZZZZ	7W14419.D	04/14/25 08:41	n/a	(unrelated sample)
ZZZZZZ	7W14420.D	04/14/25 09:26	n/a	(unrelated sample)
ZZZZZZ	7W14421.D	04/14/25 10:05	n/a	(unrelated sample)
V7W501-ECC405	7W14422.D	04/14/25 10:43	n/a	Ending cal 10

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14411.D
Acq On : 14 Apr 2025 2:45 am
Operator : benk
Sample : je8598-1 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 15 05:50:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

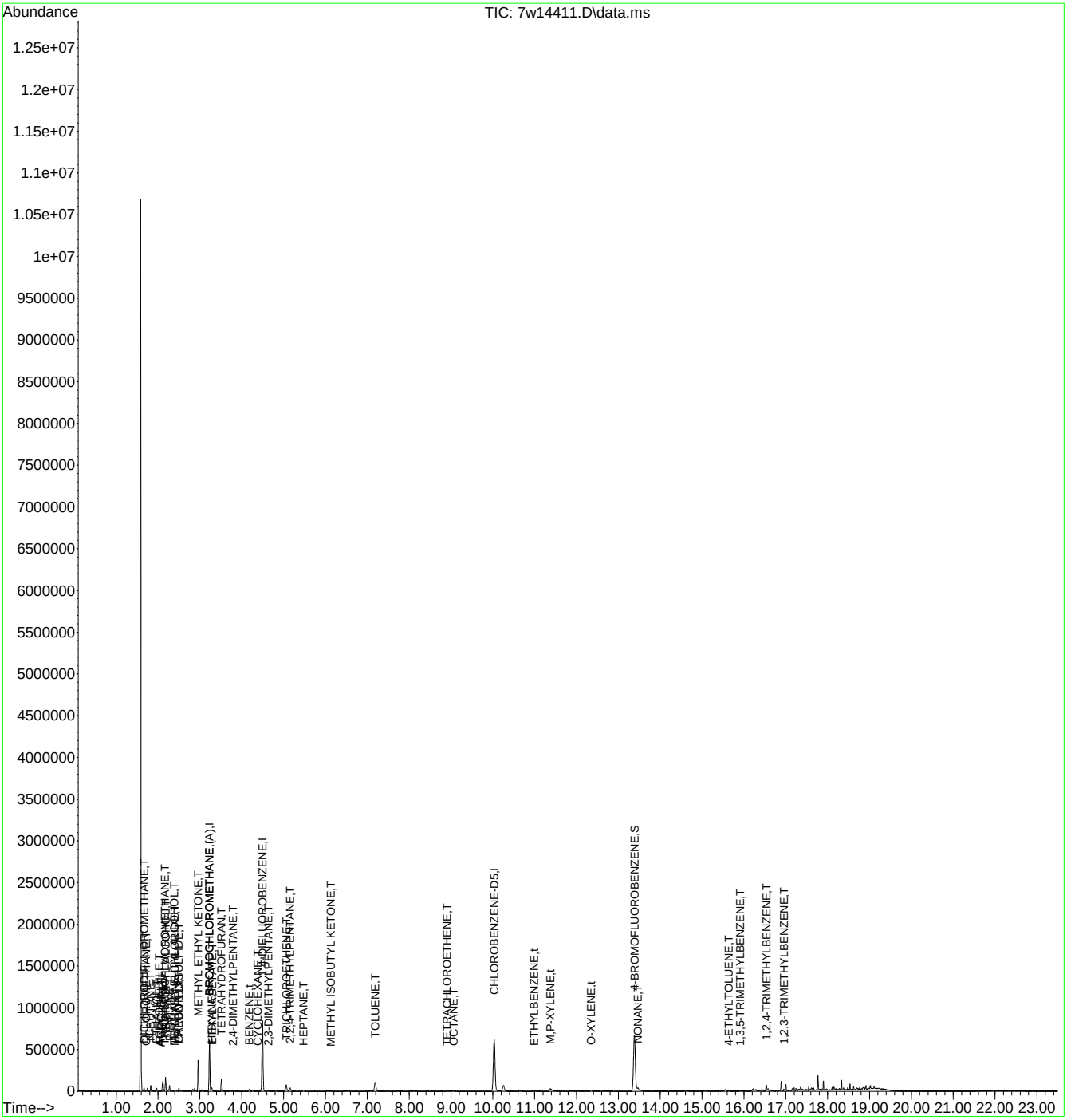
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	123331	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	636202	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	598198	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	123331	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.382	95	470234	10.83	PPBV		0.00
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	1.669	85	13728	0.4464	PPBV	#	93
10) CHLOROMETHANE	1.711	52	1583	0.4959	PPBV		99
13) N-BUTANE	1.827	43	27331	1.7087	PPBV	#	90
17) ACETONITRILE	2.029	41	1065	0.1074	PPBV		93
18) ACROLEIN	2.068	56	668	0.1283	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.164	101	6253	0.2309	PPBV		98
22) ISOPROPYL ALCOHOL	2.180	45	121085	5.2996	PPBV	#	98
23) ACETONE	2.106	58	23961	3.3439	PPBV		78
24) PENTANE	2.277	42	14824	1.3507	PPBV		96
27) CARBON DISULFIDE	2.499	76	5680	0.2133	PPBV	#	75
28) ETHANOL	1.965	45	23952	3.8295	PPBV		97
31) METHYLENE CHLORIDE	2.402	84	2258	0.2313	PPBV	#	73
33) FREON 113	2.495	151	4757	0.2938	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.389	59	5797	0.2206	PPBV	#	81
37) TETRAHYDROFURAN	3.511	72	35543	7.2050	PPBV		69
38) HEXANE	3.280	57	14229	0.7005	PPBV	#	69
41) METHYL ETHYL KETONE	2.962	72	91454	16.6907	PPBV	#	49
44) ETHYL ACETATE	3.296	61	1680	0.4317	PPBV	#	21
47) 2,4-DIMETHYLPENTANE	3.788	57	2786	0.1241	PPBV		99
51) BENZENE	4.177	78	16982	0.5156	PPBV		90
53) CYCLOHEXANE	4.380	84	2512	0.1671	PPBV		93
54) 2,3-DIMETHYLPENTANE	4.630	71	1714	0.2172	PPBV	#	45
55) TRICHLOROETHENE	5.064	95	28319	1.7511	PPBV		90
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	40835	0.6675	PPBV		96
62) HEPTANE	5.470	43	5477	0.2547	PPBV	#	78
64) METHYL ISOBUTYL KETONE	6.129	58	1788	0.1393	PPBV		75
66) TOLUENE	7.190	91	111760	2.4861	PPBV		99
72) TETRACHLOROETHENE	8.907	164	2573	0.1511	PPBV		96
75) OCTANE	9.061	43	4276	0.1404	PPBV	#	76
79) ETHYLBENZENE	10.987	91	17063	0.2896	PPBV		96
80) M,P-XYLENE	11.370	91	46086	0.9978	PPBV		60
81) O-XYLENE	12.344	91	17741	0.3825	PPBV		94
83) NONANE	13.466	43	13811	0.4335	PPBV		75
92) 4-ETHYLTOLUENE	15.630	105	9554	0.1483	PPBV		96
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	10603	0.1956	PPBV		93
96) 1,2,4-TRIMETHYLBENZENE	16.533	105	39177	0.7164	PPBV	#	34
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	10323	0.1884	PPBV		99

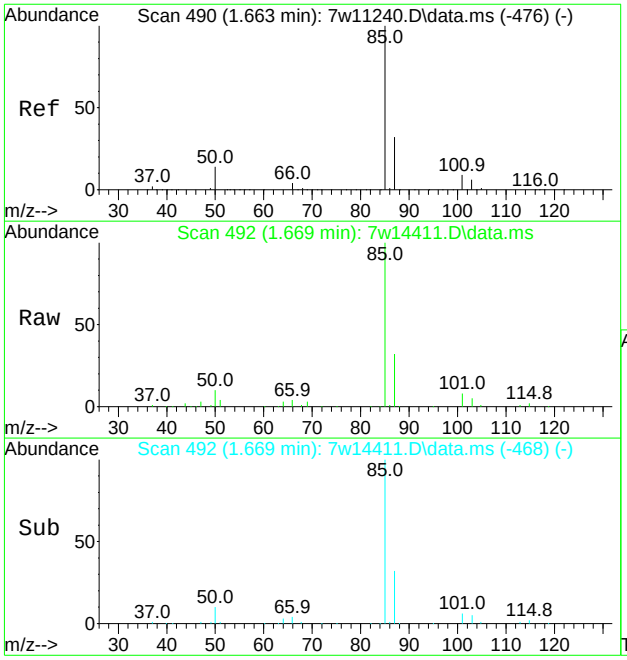
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14411.D
Acq On : 14 Apr 2025 2:45 am
Operator : benk
Sample : je8598-1 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 15 05:50:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

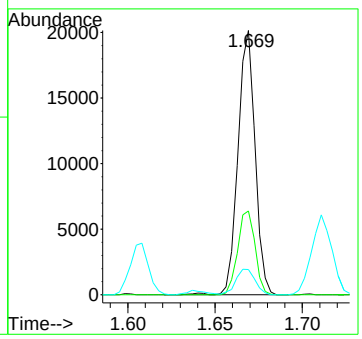


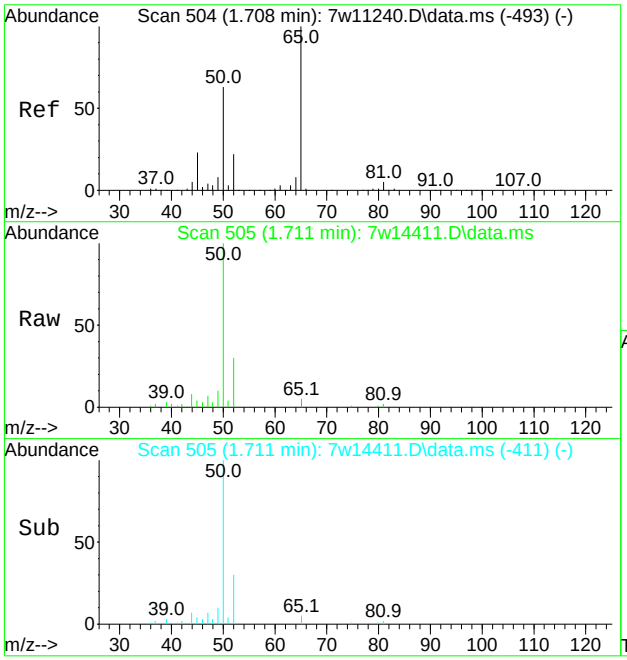


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4464 PPBV
RT: 1.669 min Scan# 492
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 85 Resp: 13728

Ion	Ratio	Lower	Upper
85	100		
87	32.3	22.5	41.7
50	10.9	13.8	25.6#

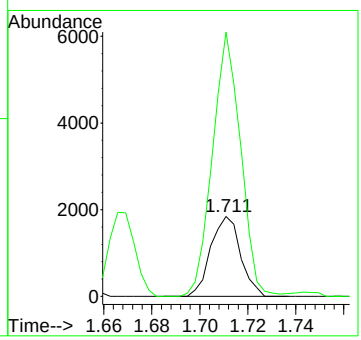


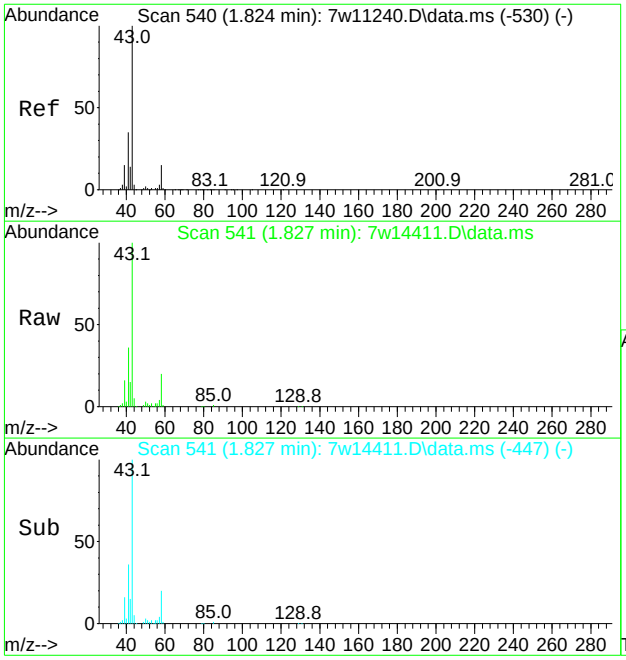


#10
CHLOROMETHANE
Concen: 0.4959 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 52 Resp: 1583

Ion	Ratio	Lower	Upper
52	100		
50	317.3	220.1	408.8

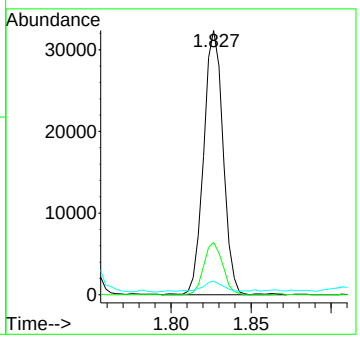


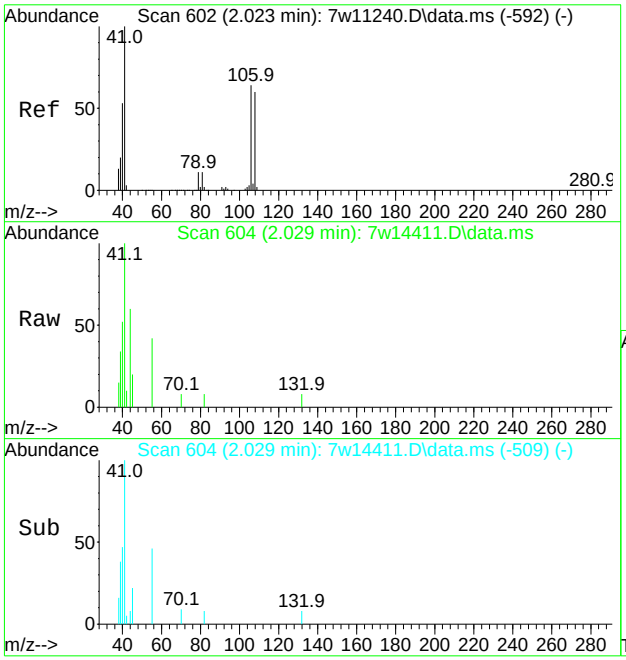


#13
N-BUTANE
Concen: 1.7087 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 43 Resp: 27331

Ion	Ratio	Lower	Upper
43	100		
58	19.4	10.4	19.2#
44	6.3	3.0	5.6#

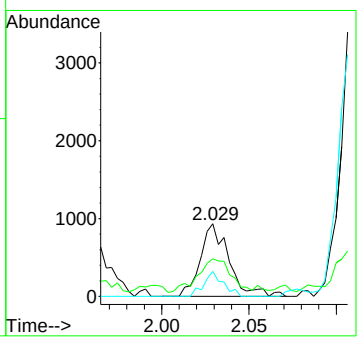


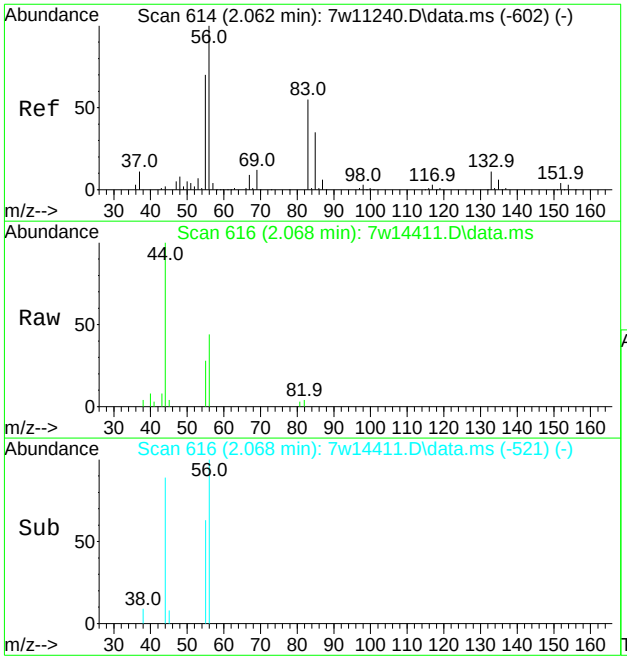


#17
ACETONITRILE
Concen: 0.1074 PPBV
RT: 2.029 min Scan# 604
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 41 Resp: 1065

Ion	Ratio	Lower	Upper
41	100		
40	49.3	37.9	70.5
39	23.0	13.8	25.6

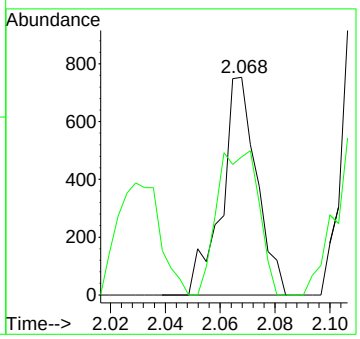


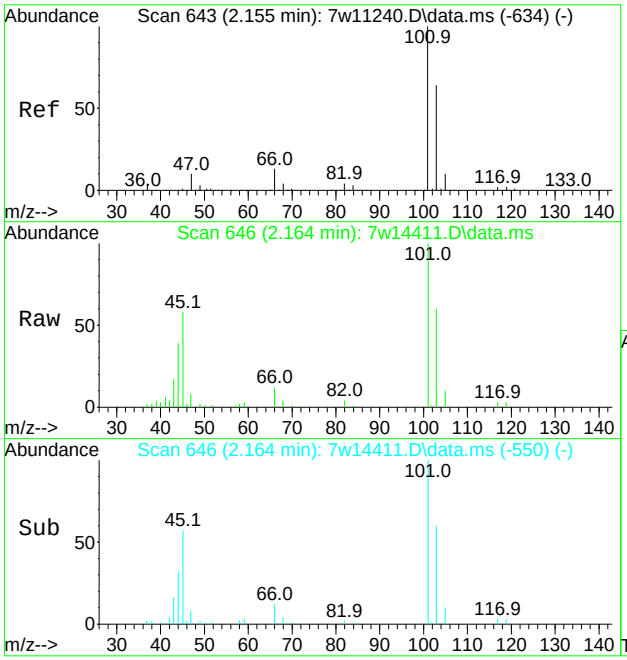


#18
ACROLEIN
Concen: 0.1283 PPBV
RT: 2.068 min Scan# 616
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 56 Resp: 668

Ion	Ratio	Lower	Upper
56	100		
55	78.7	50.3	93.3

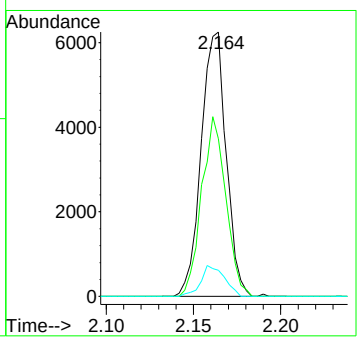


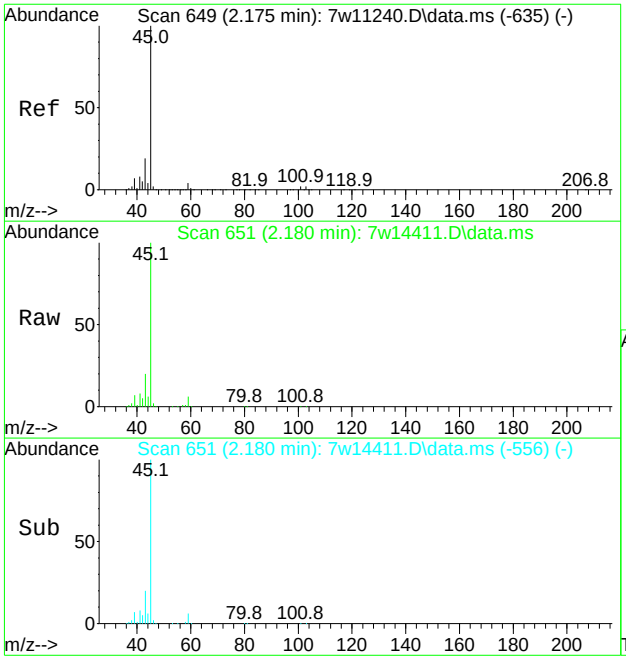


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2309 PPBV
RT: 2.164 min Scan# 646
Delta R.T. 0.009 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion:101 Resp: 6253

Ion	Ratio	Lower	Upper
101	100		
103	65.6	44.9	83.5
105	10.9	7.3	13.5

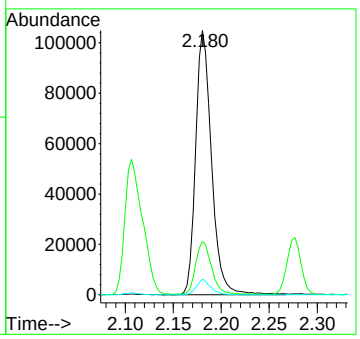


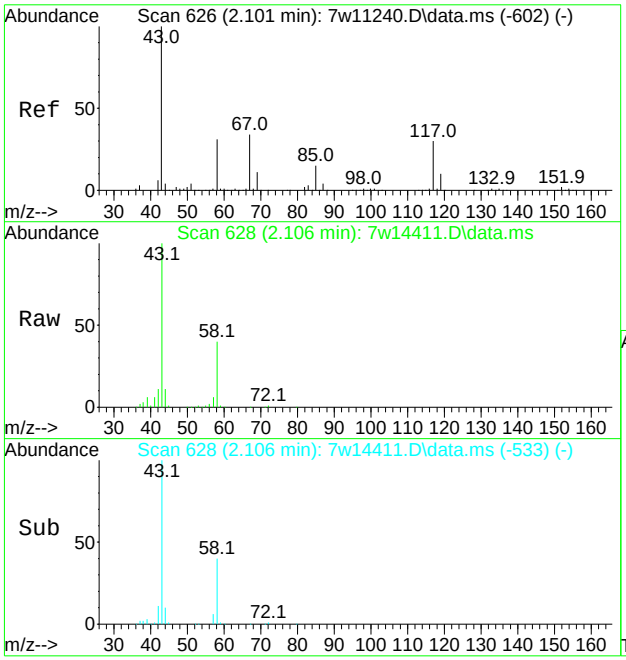


#22
ISOPROPYL ALCOHOL
Concen: 5.2996 PPBV
RT: 2.180 min Scan# 651
Delta R.T. 0.005 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 45 Resp: 121085

Ion	Ratio	Lower	Upper
45	100		
43	20.8	13.9	25.9
59	5.2	2.8	5.2#

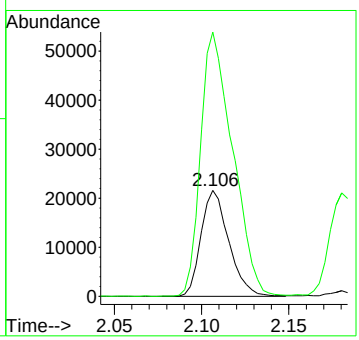


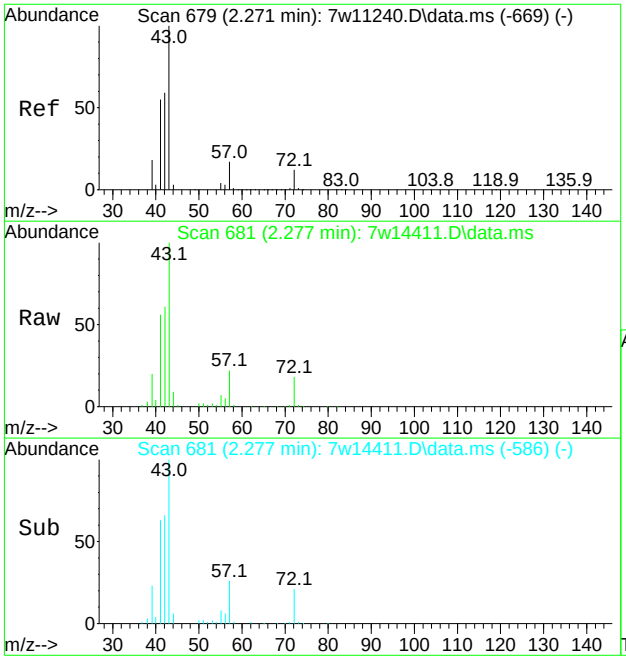


#23
ACETONE
Concen: 3.3439 PPBV
RT: 2.106 min Scan# 628
Delta R.T. 0.005 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 58 Resp: 23961

Ion	Ratio	Lower	Upper
58	100		
43	287.9	234.4	435.2

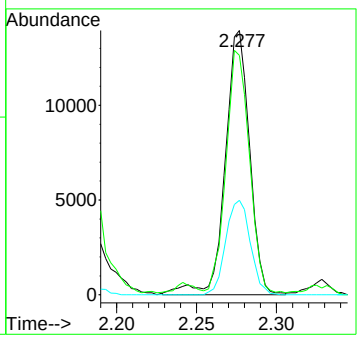


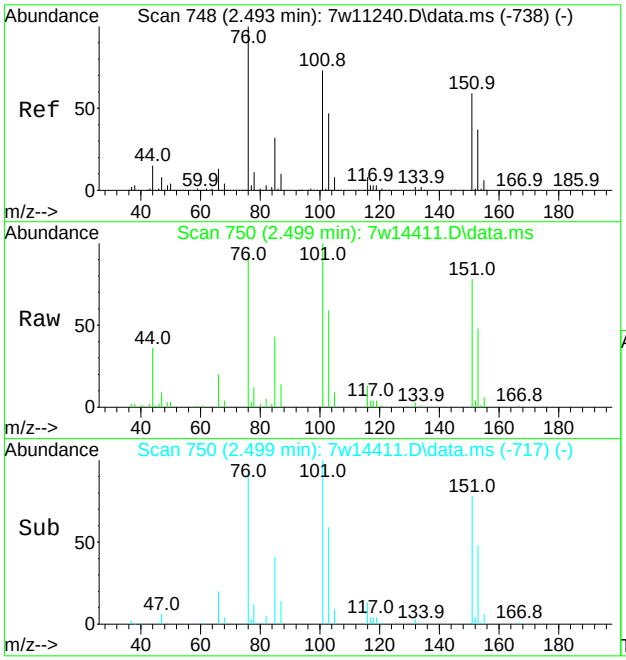


#24
PENTANE
Concen: 1.3507 PPBV
RT: 2.277 min Scan# 681
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 42 Resp: 14824

Ion	Ratio	Lower	Upper
42	100		
41	93.4	64.8	120.3
57	35.8	19.7	36.7

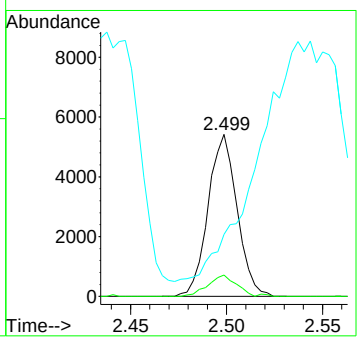


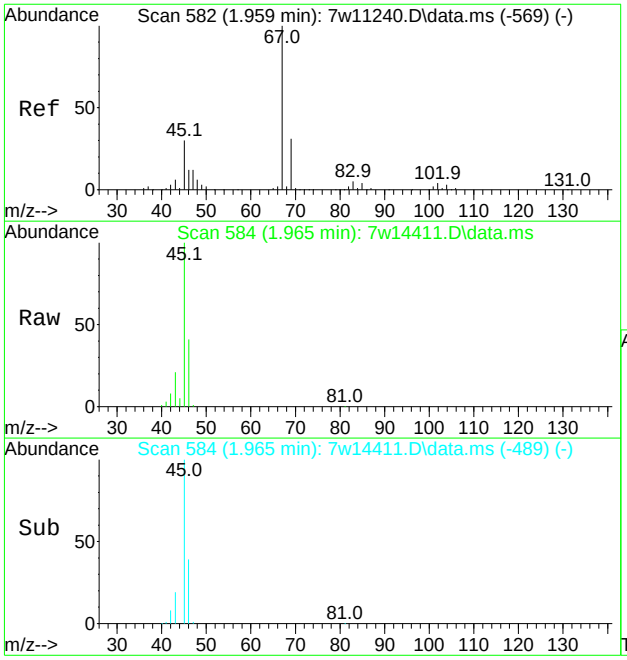


#27
CARBON DISULFIDE
Concen: 0.2133 PPBV
RT: 2.499 min Scan# 750
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 76 Resp: 5680

Ion	Ratio	Lower	Upper
76	100		
78	13.3	7.8	14.6
44	0.0	11.3	20.9#

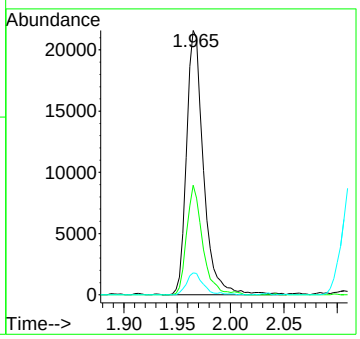


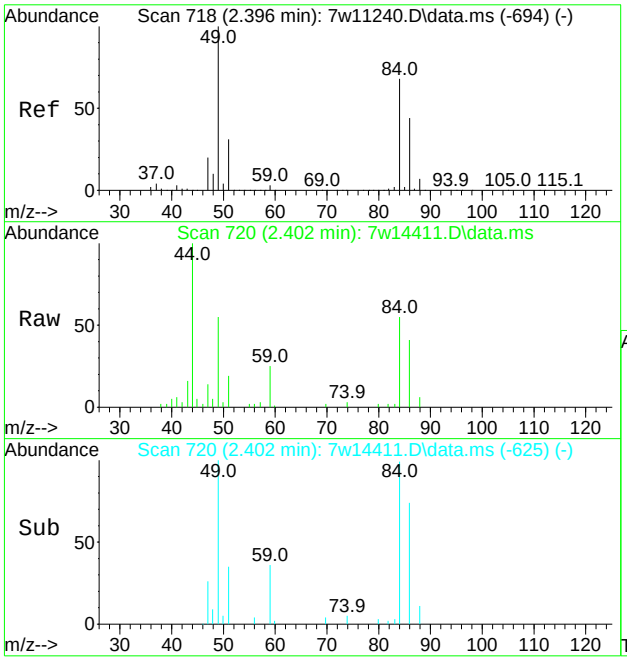


#28
ETHANOL
Concen: 3.8295 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 45 Resp: 23952

Ion	Ratio	Lower	Upper
45	100		
46	38.9	28.6	53.0
42	8.3	6.3	11.7

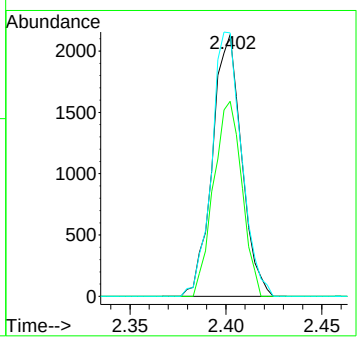


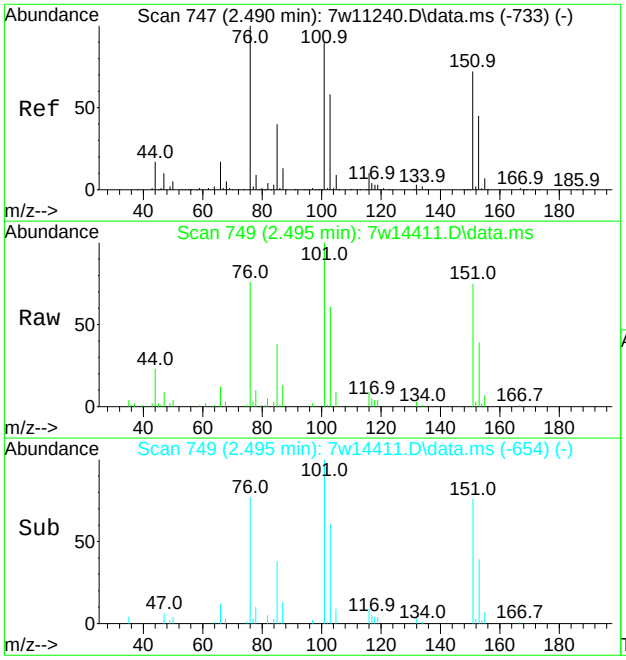


#31
METHYLENE CHLORIDE
Concen: 0.2313 PPBV
RT: 2.402 min Scan# 720
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 84 Resp: 2258

Ion	Ratio	Lower	Upper
84	100		
86	72.2	46.0	85.4
49	103.1	103.9	192.9#

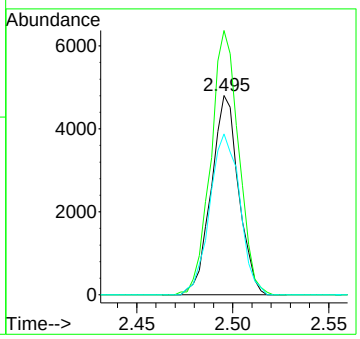


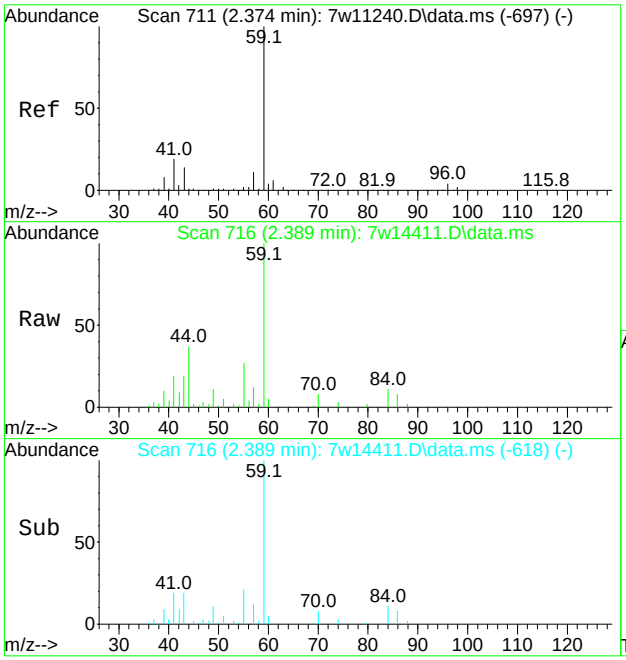


#33
FREON 113
Concen: 0.2938 PPBV
RT: 2.495 min Scan# 749
Delta R.T. 0.005 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion:151 Resp: 4757

Ion	Ratio	Lower	Upper
151	100		
101	135.4	89.3	165.9
103	88.7	57.5	106.9

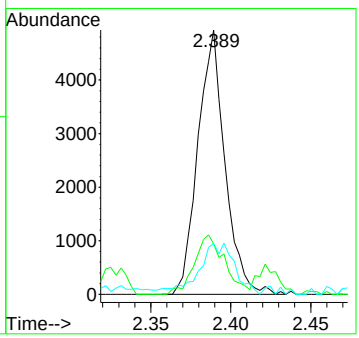


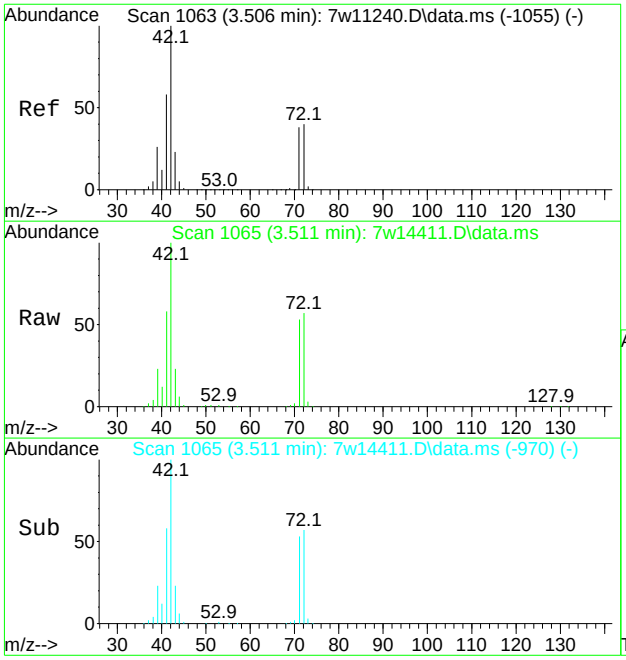


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.2206 PPBV
RT: 2.389 min Scan# 716
Delta R.T. 0.015 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 59 Resp: 5797

Ion	Ratio	Lower	Upper
59	100		
41	25.0	14.3	26.5
43	27.4	9.9	18.5#

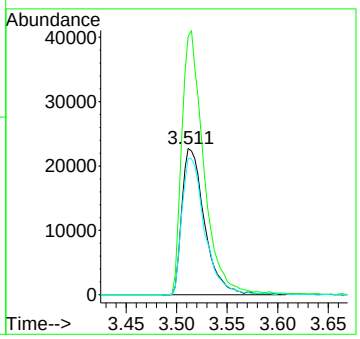


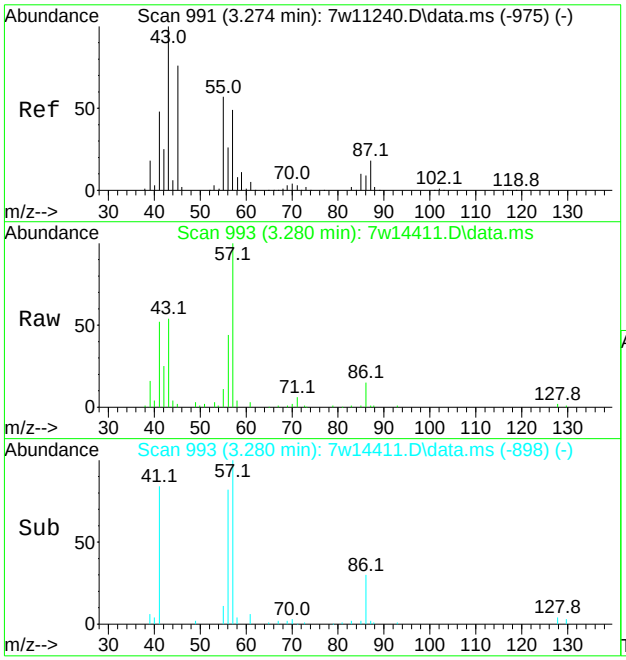


#37
TETRAHYDROFURAN
Concen: 7.2050 PPBV
RT: 3.511 min Scan# 1065
Delta R.T. 0.005 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 72 Resp: 35543

Ion	Ratio	Lower	Upper
72	100		
42	176.4	174.9	324.9
71	93.9	67.2	124.8

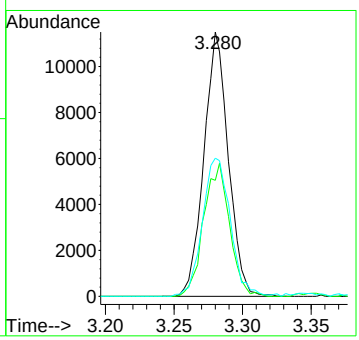


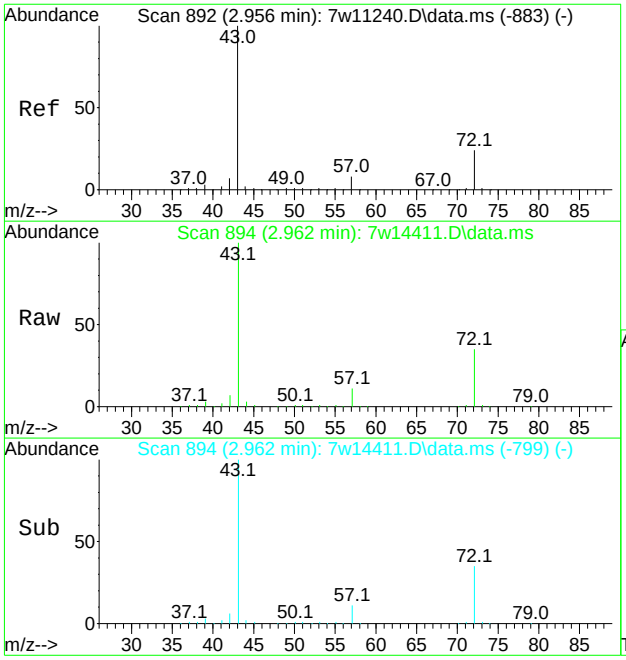


#38
HEXANE
Concen: 0.7005 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 57 Resp: 14229

Ion	Ratio	Lower	Upper
57	100		
56	53.1	37.8	70.2
41	59.6	75.9	140.9#

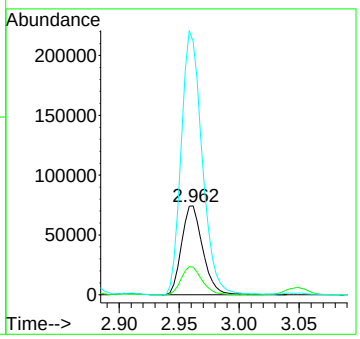


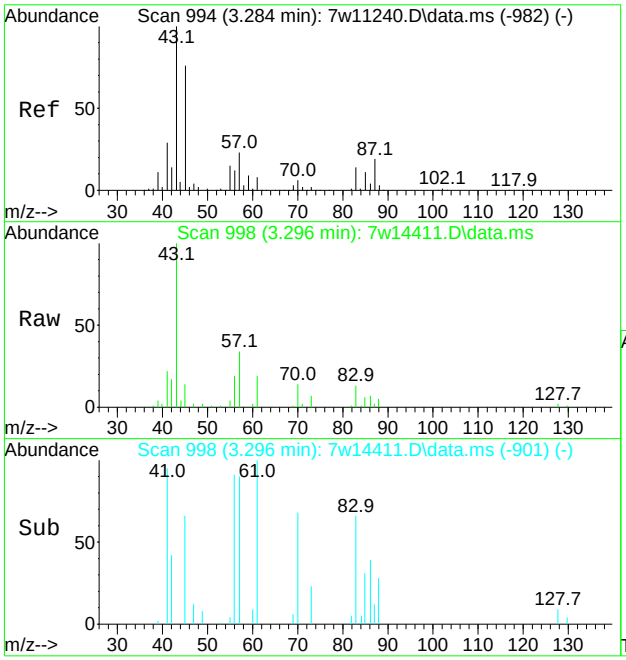


#41
METHYL ETHYL KETONE
Concen: 16.6907 PPBV
RT: 2.962 min Scan# 894
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 72 Resp: 91454

Ion	Ratio	Lower	Upper
72	100		
57	31.1	25.3	46.9
43	293.6	299.6	556.4#

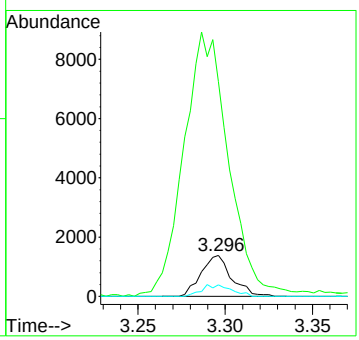


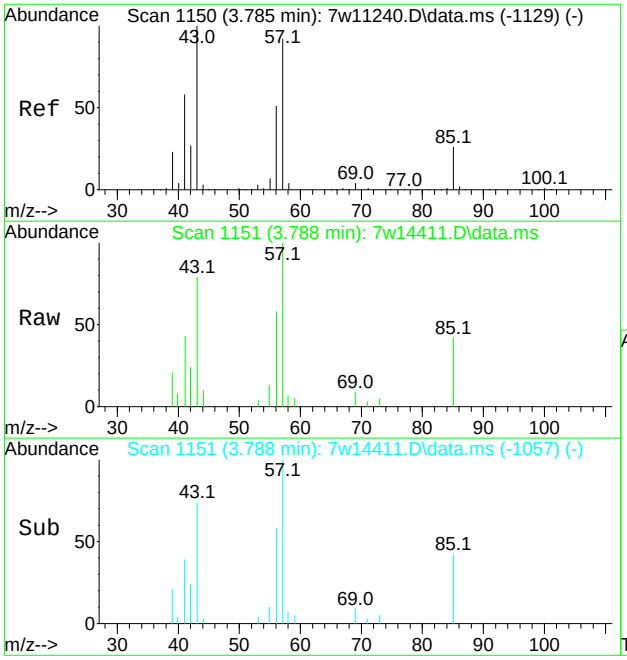


#44
ETHYL ACETATE
Concen: 0.4317 PPBV
RT: 3.296 min Scan# 998
Delta R.T. 0.012 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 61 Resp: 1680

Ion	Ratio	Lower	Upper
61	100		
43	969.1	1005.1	1866.5#
88	27.4	29.3	54.5#

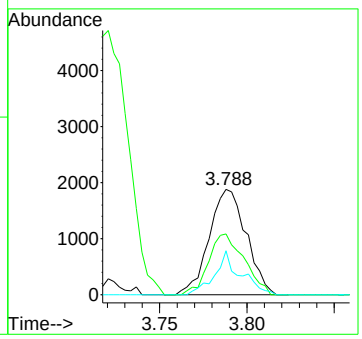


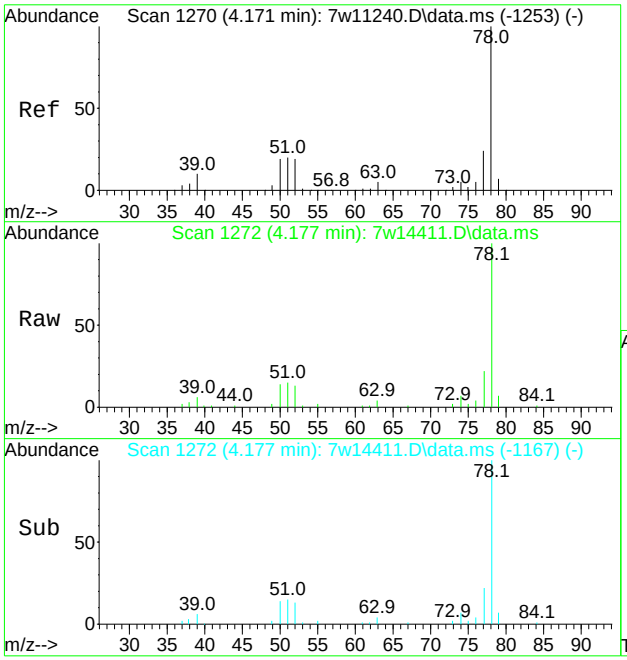


#47
2,4-DIMETHYLPENTANE
Concen: 0.1241 PPBV
RT: 3.788 min Scan# 1151
Delta R.T. 0.003 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 57 Resp: 2786

Ion	Ratio	Lower	Upper
57	100		
56	55.3	38.4	71.2
85	28.8	19.1	35.5

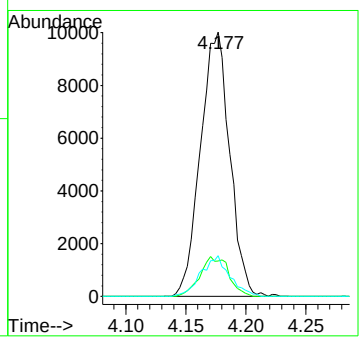


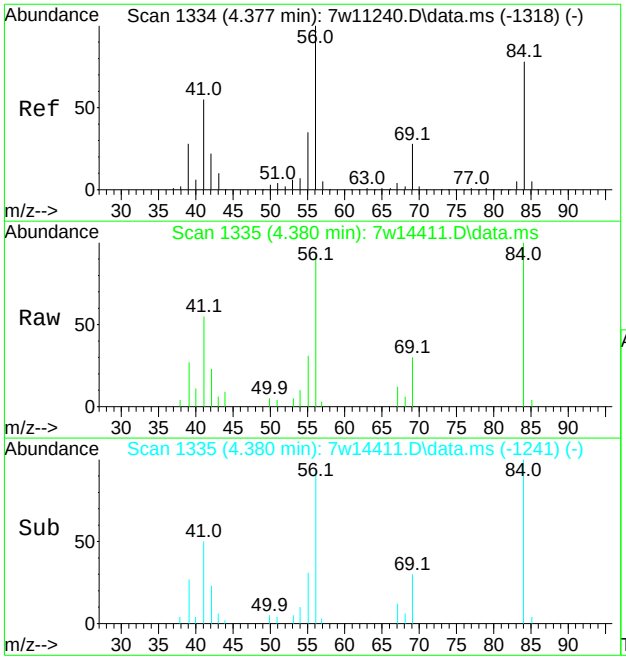


#51
BENZENE
Concen: 0.5156 PPBV
RT: 4.177 min Scan# 1272
Delta R.T. 0.006 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 78 Resp: 16982

Ion	Ratio	Lower	Upper
78	100		
52	14.7	0.0	48.9
51	15.1	0.0	50.2

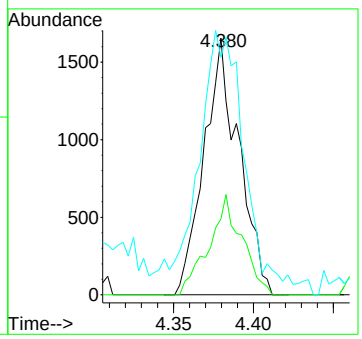


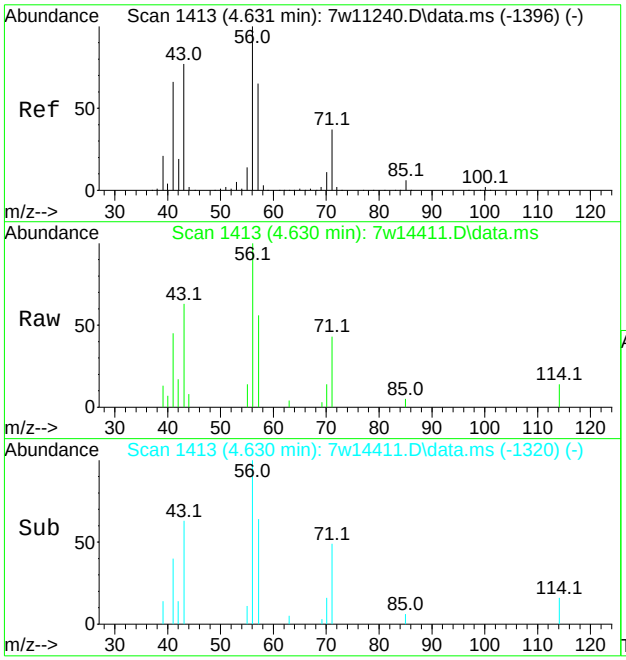


#53
CYCLOHEXANE
Concen: 0.1671 PPBV
RT: 4.380 min Scan# 1335
Delta R.T. 0.003 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 84 Resp: 2512

Ion	Ratio	Lower	Upper
84	100		
69	36.8	24.8	46.0
56	138.4	89.8	166.8

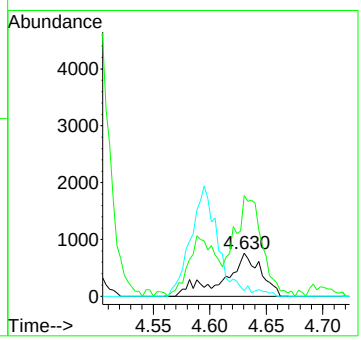


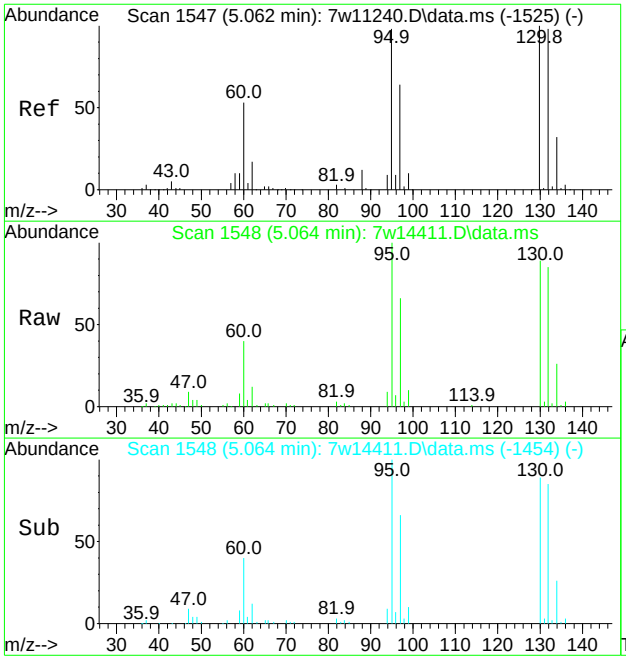


#54
2,3-DIMETHYLPENTANE
Concen: 0.2172 PPBV
RT: 4.630 min Scan# 1413
Delta R.T. -0.001 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 71 Resp: 1714

Ion	Ratio	Lower	Upper
71	100		
56	176.8	199.6	370.8#
85	5.7	12.1	22.5#

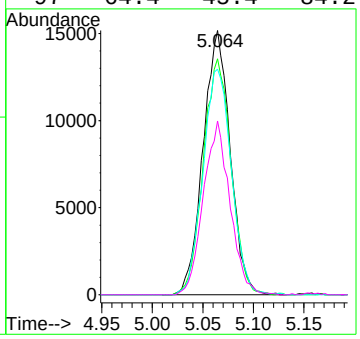


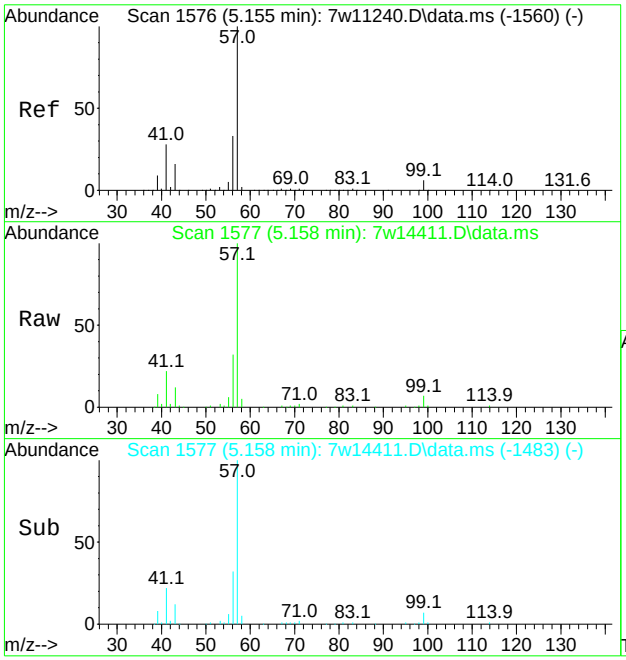


#55
TRICHLOROETHENE
Concen: 1.7511 PPBV
RT: 5.064 min Scan# 1548
Delta R.T. 0.002 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 95 Resp: 28319

Ion	Ratio	Lower	Upper
95	100		
130	91.6	72.8	135.2
132	89.8	71.9	133.5
97	64.4	45.4	84.2

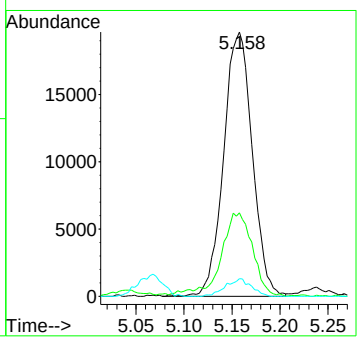


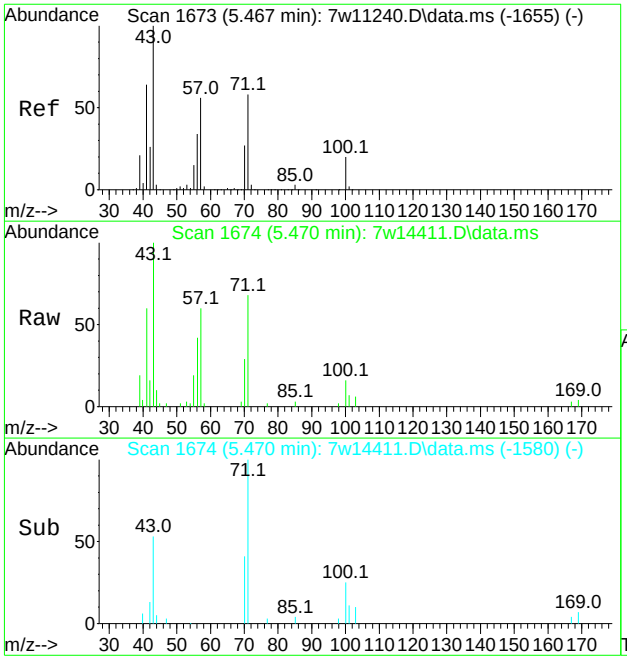


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.6675 PPBV
RT: 5.158 min Scan# 1577
Delta R.T. 0.003 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 57 Resp: 40835

Ion	Ratio	Lower	Upper
57	100		
56	35.1	22.7	42.1
99	6.0	3.9	7.3

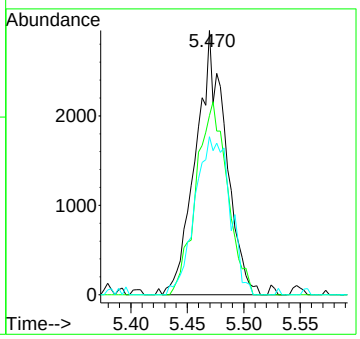


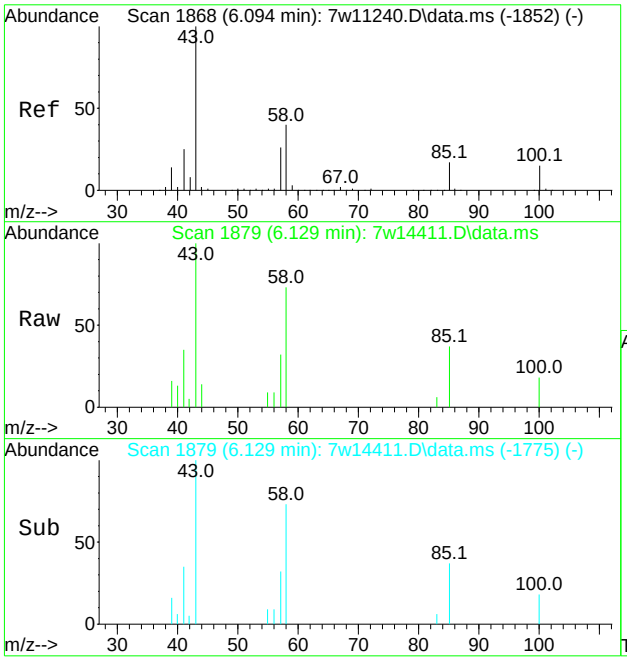


#62
HEPTANE
Concen: 0.2547 PPBV
RT: 5.470 min Scan# 1674
Delta R.T. 0.003 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 43 Resp: 5477

Ion	Ratio	Lower	Upper
43	100		
71	75.9	40.0	74.4#
57	68.8	38.9	72.2

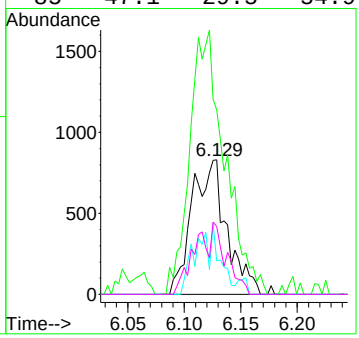


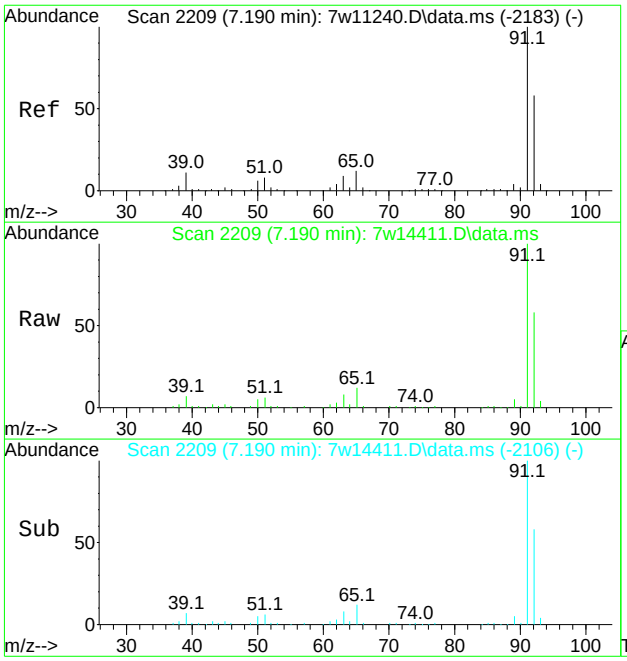


#64
METHYL ISOBUTYL KETONE
Concen: 0.1393 PPBV
RT: 6.129 min Scan# 1879
Delta R.T. 0.035 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 58 Resp: 1788

Ion	Ratio	Lower	Upper
58	100		
43	196.6	175.8	326.4
100	38.2	26.9	49.9
85	47.1	29.5	54.9

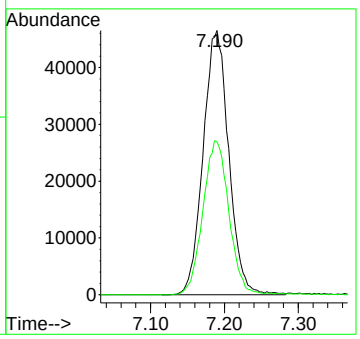


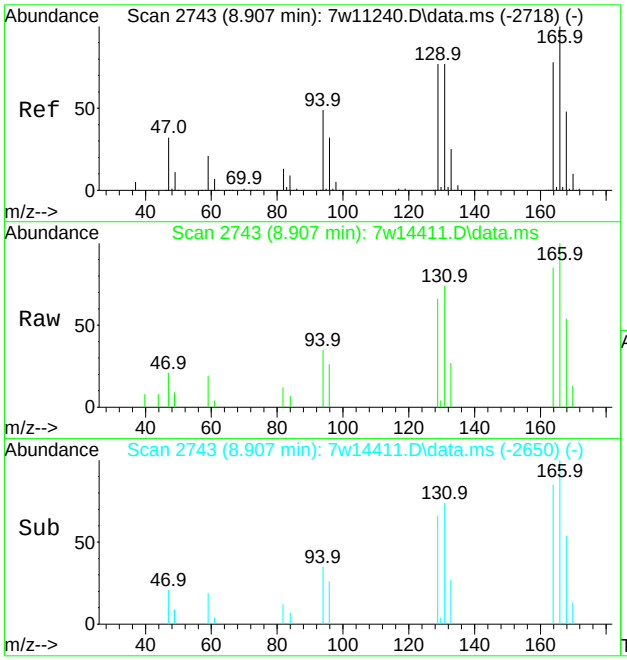


#66
TOLUENE
Concen: 2.4861 PPBV
RT: 7.190 min Scan# 2209
Delta R.T. -0.000 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 91 Resp: 111760

Ion	Ratio	Lower	Upper
91	100		
92	59.8	29.0	89.0

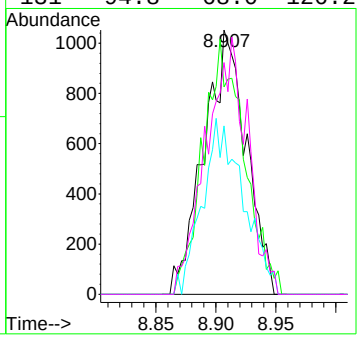


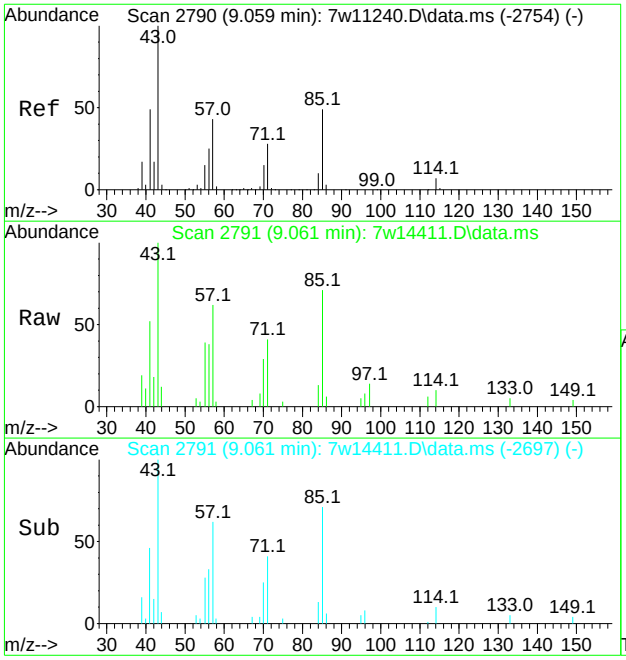


#72
TETRACHLOROETHENE
Concen: 0.1511 PPBV
RT: 8.907 min Scan# 2743
Delta R.T. -0.000 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion:164 Resp: 2573

Ion	Ratio	Lower	Upper
164	100		
129	93.3	68.9	127.9
168	64.4	42.3	78.5
131	94.8	68.0	126.2

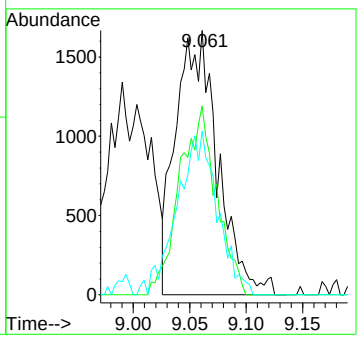


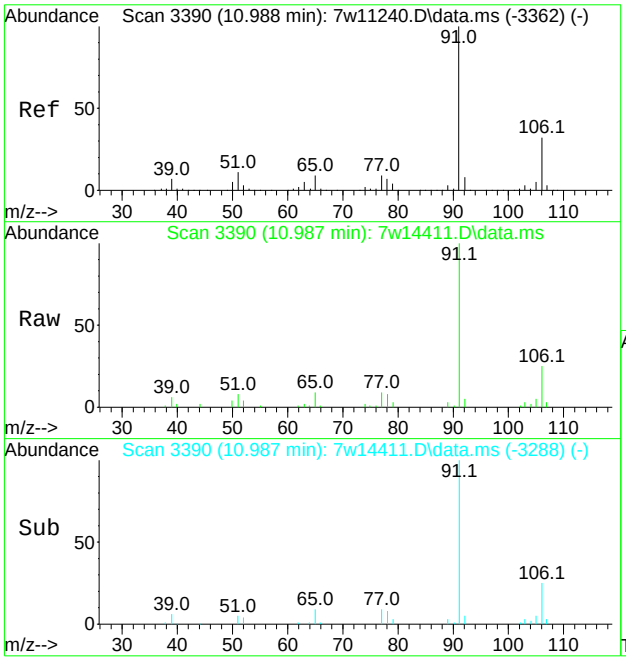


#75
OCTANE
Concen: 0.1404 PPBV
RT: 9.061 min Scan# 2791
Delta R.T. 0.002 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 43 Resp: 4276

Ion	Ratio	Lower	Upper
43	100		
85	63.2	33.9	63.0#
57	59.8	30.0	55.8#

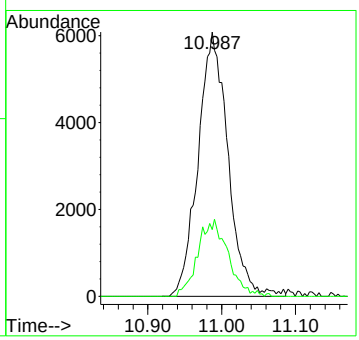


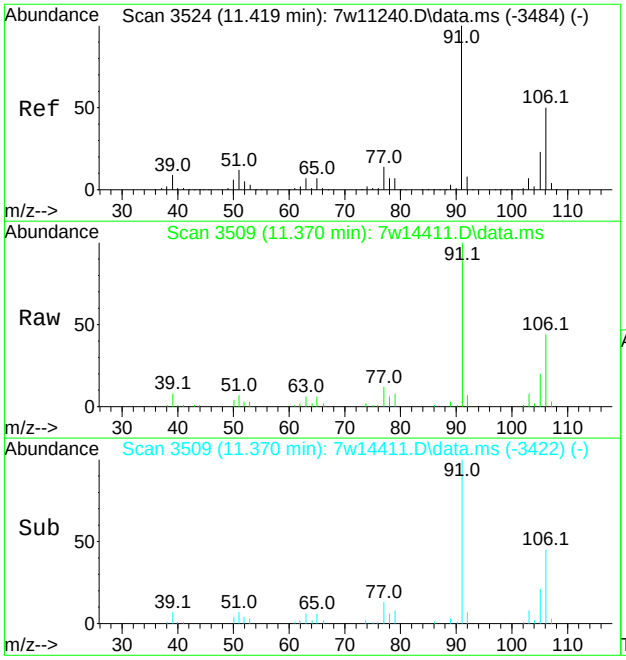


#79
ETHYLBENZENE
Concen: 0.2896 PPBV
RT: 10.987 min Scan# 3390
Delta R.T. -0.001 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 91 Resp: 17063

Ion	Ratio	Lower	Upper
91	100		
106	29.4	1.6	61.6

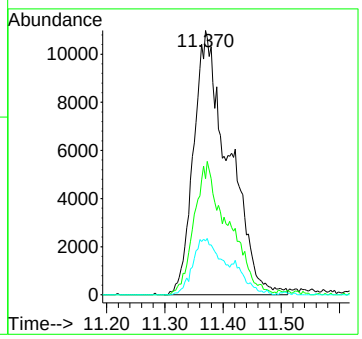


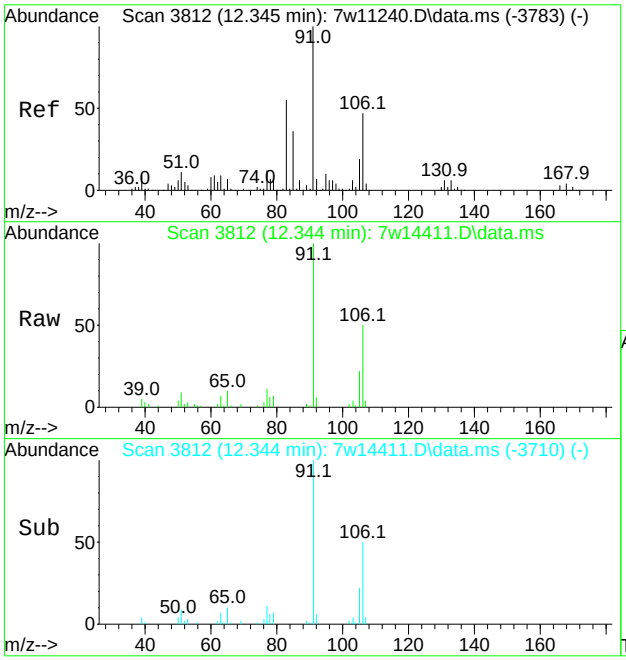


#80
M,P-XYLENE
Concen: 0.9978 PPBV
RT: 11.370 min Scan# 3509
Delta R.T. -0.049 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 91 Resp: 46086

Ion	Ratio	Lower	Upper
91	100		
106	48.8	0.0	55.5
105	22.1	0.0	41.7

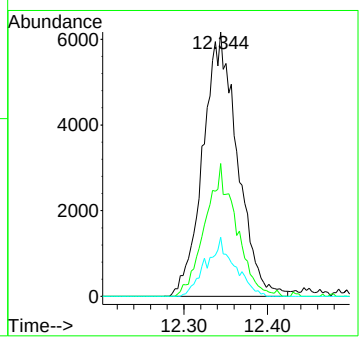


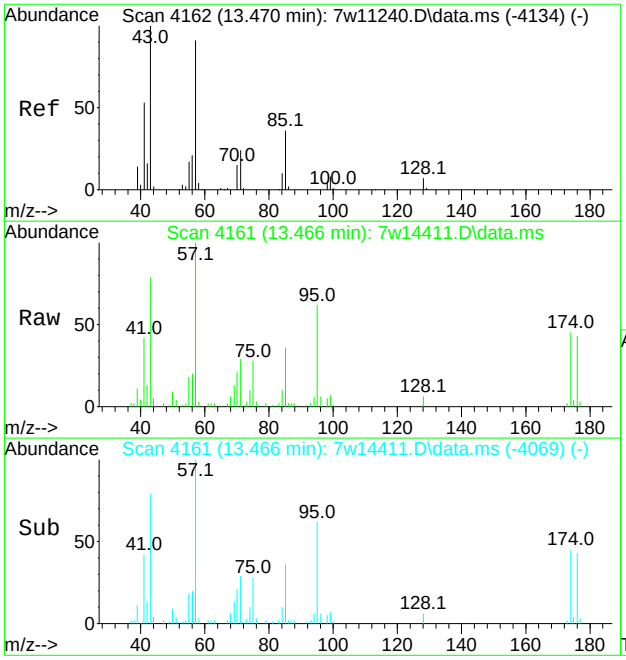


#81
O-XYLENE
Concen: 0.3825 PPBV
RT: 12.344 min Scan# 3812
Delta R.T. -0.001 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 91 Resp: 17741

Ion	Ratio	Lower	Upper
91	100		
106	50.3	32.7	60.7
105	22.3	13.2	24.6

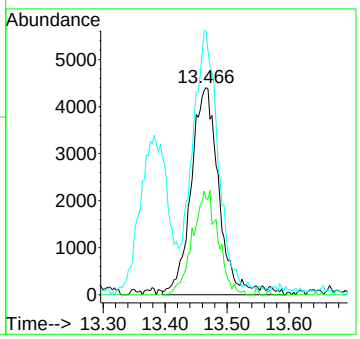


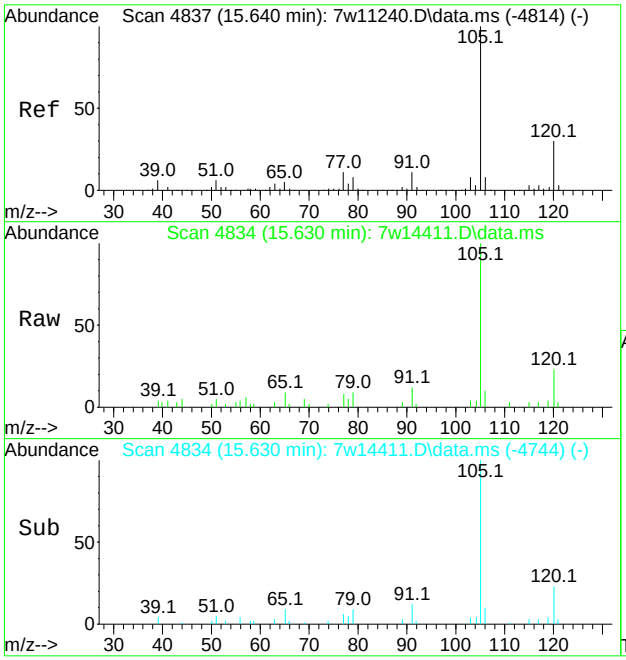


#83
NONANE
Concen: 0.4335 PPBV
RT: 13.466 min Scan# 4161
Delta R.T. -0.004 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion: 43 Resp: 13811

Ion	Ratio	Lower	Upper
43	100		
85	45.6	25.0	46.4
57	120.8	65.7	122.1

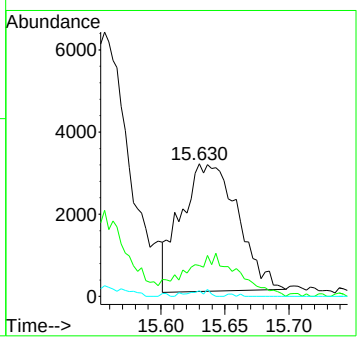


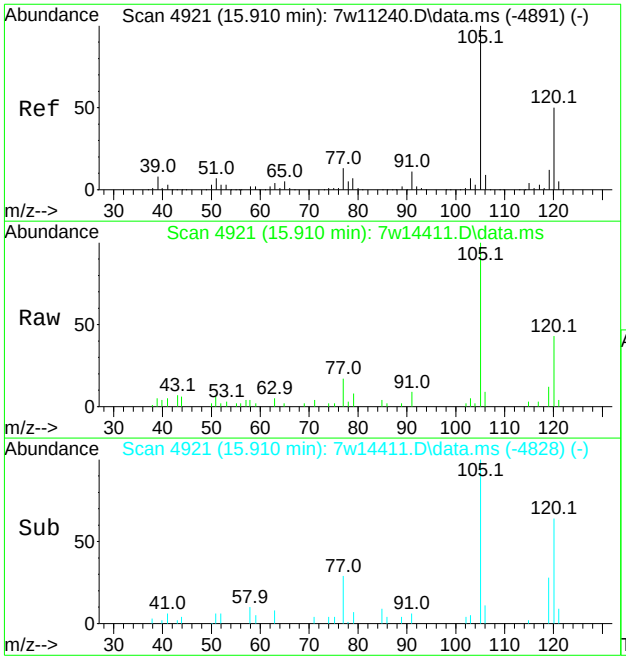


#92
4-ETHYLTOLUENE
Concen: 0.1483 PPBV
RT: 15.630 min Scan# 4834
Delta R.T. -0.010 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion:105 Resp: 9554

Ion	Ratio	Lower	Upper
105	100		
120	32.3	21.1	39.1
119	2.3	1.6	3.0

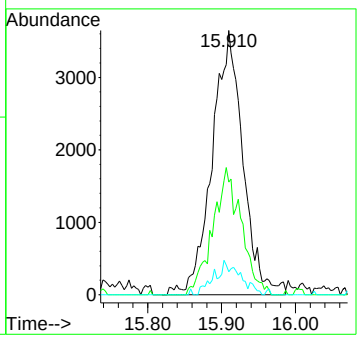


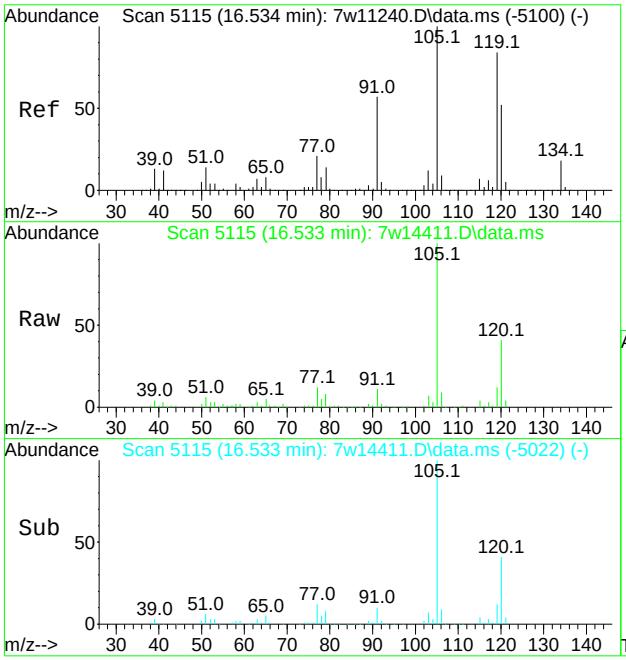


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.1956 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. -0.000 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion:105 Resp: 10603

Ion	Ratio	Lower	Upper
105	100		
120	44.3	34.9	64.7
91	11.0	7.5	13.9

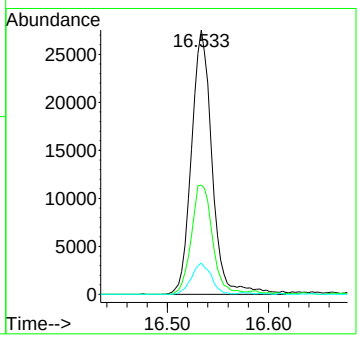


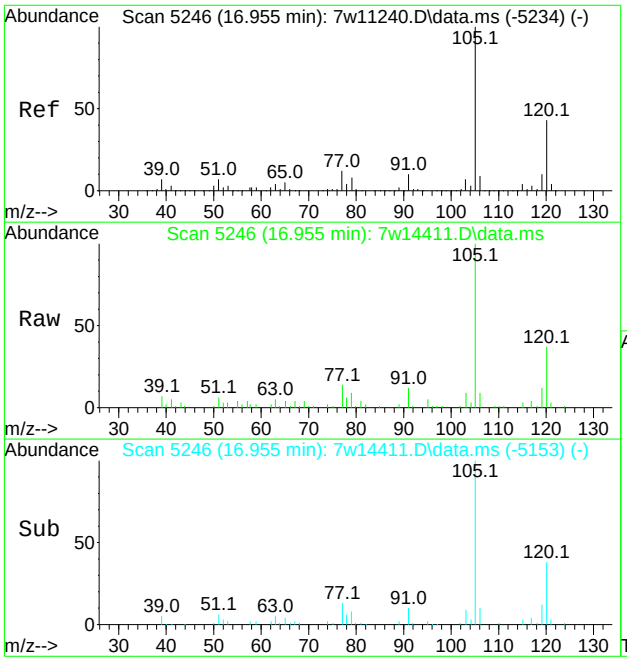


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.7164 PPBV
RT: 16.533 min Scan# 5115
Delta R.T. -0.001 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion:105 Resp: 39177

Ion	Ratio	Lower	Upper
105	100		
120	43.7	38.8	72.0
119	11.4	74.3	137.9#

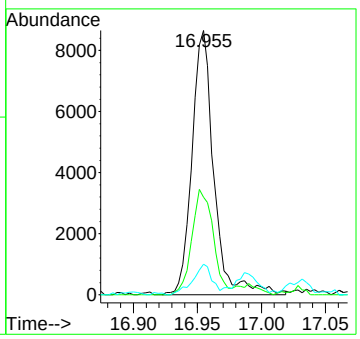




#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.1884 PPBV
RT: 16.955 min Scan# 5246
Delta R.T. -0.000 min
Lab File: 7w14411.D
Acq: 14 Apr 2025 2:45 am

Tgt Ion:105 Resp: 10323

Ion	Ratio	Lower	Upper
105	100		
120	42.7	30.2	56.2
91	10.4	7.1	13.3



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14412.D
Acq On : 14 Apr 2025 3:29 am
Operator : benk
Sample : je8598-2 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 15 05:52:45 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

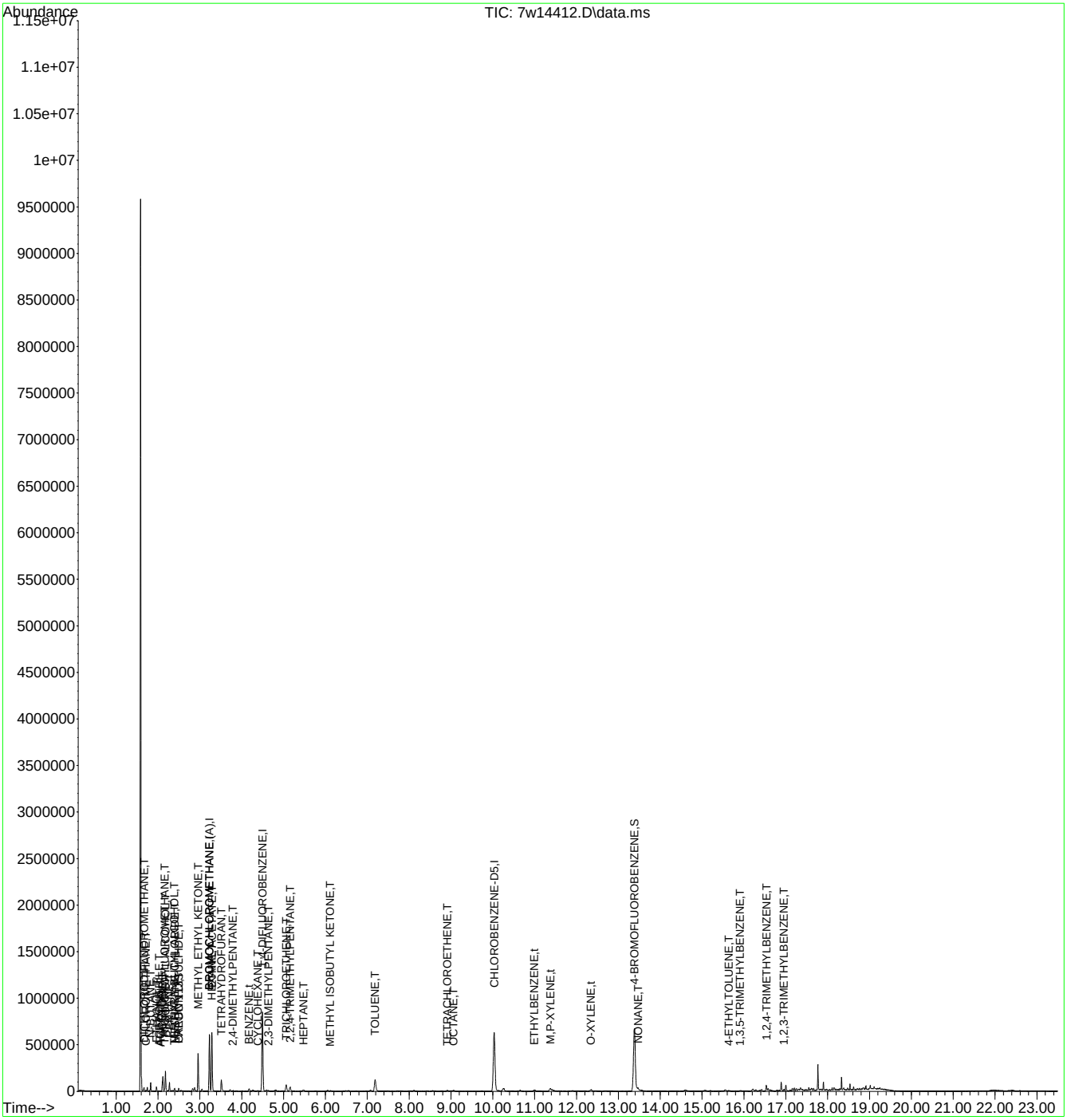
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	BROMOCHLOROMETHANE	3.229	128	124251	10.00	PPBV		0.00
52)	1,4-DIFLUOROBENZENE	4.496	114	643220	10.00	PPBV		0.00
76)	CHLOROBENZENE-D5	10.032	117	601858	10.00	PPBV		0.00
109)	BROMOCHLOROMETHANE (A)	3.229	128	124251	10.00	PPBV		0.00
	System Monitoring Compounds							
87)	4-BROMOFLUOROBENZENE	13.379	95	481213	11.02	PPBV		0.00
	Target Compounds							Qvalue
6)	DICHLORODIFLUOROMETHANE	1.666	85	13789	0.4451	PPBV	#	90
10)	CHLOROMETHANE	1.708	52	1710	0.5317	PPBV		89
13)	N-BUTANE	1.824	43	37544	2.3298	PPBV	#	90
17)	ACETONITRILE	2.026	41	1825	0.1827	PPBV	#	72
18)	ACROLEIN	2.065	56	690	0.1316	PPBV		94
21)	TRICHLOROFLUOROMETHANE	2.161	101	6489	0.2378	PPBV		98
22)	ISOPROPYL ALCOHOL	2.177	45	157410	6.8385	PPBV	#	99
23)	ACETONE	2.103	58	24947	3.4557	PPBV		89
24)	PENTANE	2.274	42	18932	1.7123	PPBV		96
27)	CARBON DISULFIDE	2.499	76	6459	0.2407	PPBV	#	77
28)	ETHANOL	1.962	45	28031	4.4485	PPBV		98
31)	METHYLENE CHLORIDE	2.399	84	8922	0.9072	PPBV	#	74
33)	FREON 113	2.496	151	4238	0.2598	PPBV		91
35)	TERTIARY BUTYL ALCOHOL	2.383	59	5249	0.1983	PPBV	#	65
37)	TETRAHYDROFURAN	3.512	72	32784	6.5965	PPBV	#	65
38)	HEXANE	3.280	57	24746	1.2093	PPBV	#	77
41)	METHYL ETHYL KETONE	2.959	72	98449	17.8343	PPBV	#	52
44)	ETHYL ACETATE	3.287	61	85228	21.7378	PPBV	#	1
47)	2,4-DIMETHYLPENTANE	3.785	57	3089	0.1365	PPBV		98
51)	BENZENE	4.171	78	21340	0.6431	PPBV		90
53)	CYCLOHEXANE	4.380	84	2877	0.1893	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.634	71	1525	0.1911	PPBV	#	64
55)	TRICHLOROETHENE	5.061	95	26302	1.6087	PPBV		89
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	45126	0.7296	PPBV		96
62)	HEPTANE	5.470	43	5802	0.2669	PPBV		81
64)	METHYL ISOBUTYL KETONE	6.113	58	2191	0.1688	PPBV		83
66)	TOLUENE	7.187	91	128459	2.8264	PPBV		100
72)	TETRACHLOROETHENE	8.910	164	2865	0.1664	PPBV		95
75)	OCTANE	9.055	43	4565	0.1482	PPBV		88
79)	ETHYLBENZENE	10.987	91	16770	0.2829	PPBV		97
80)	M,P-XYLENE	11.376	91	46407	0.9987	PPBV		81
81)	O-XYLENE	12.338	91	17493	0.3748	PPBV		98
83)	NONANE	13.469	43	12153	0.3791	PPBV		83
92)	4-ETHYLTOLUENE	15.637	105	9983	0.1540	PPBV	#	90
93)	1,3,5-TRIMETHYLBENZENE	15.907	105	8343	0.1529	PPBV	#	94
96)	1,2,4-TRIMETHYLBENZENE	16.534	105	34120	0.6201	PPBV	#	34
102)	1,2,3-TRIMETHYLBENZENE	16.952	105	8798	0.1596	PPBV		98

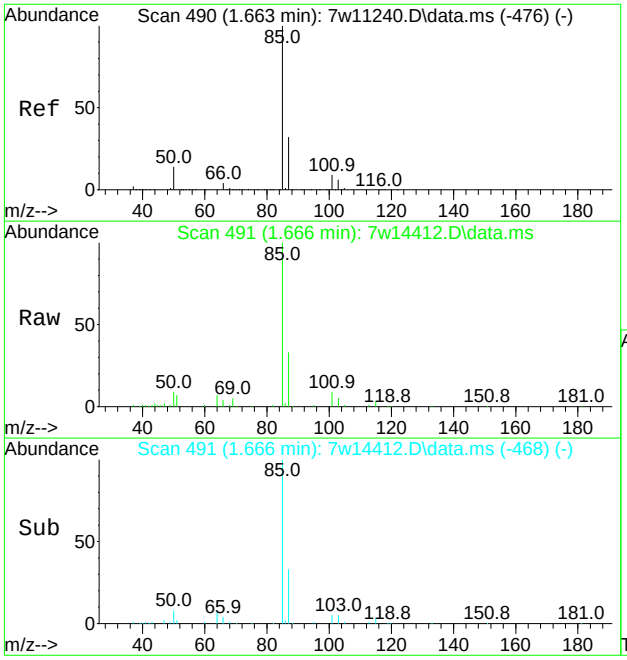
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14412.D
Acq On : 14 Apr 2025 3:29 am
Operator : benk
Sample : je8598-2 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 15 05:52:45 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

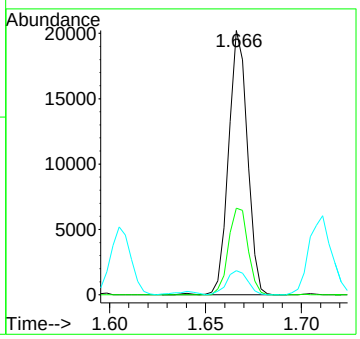


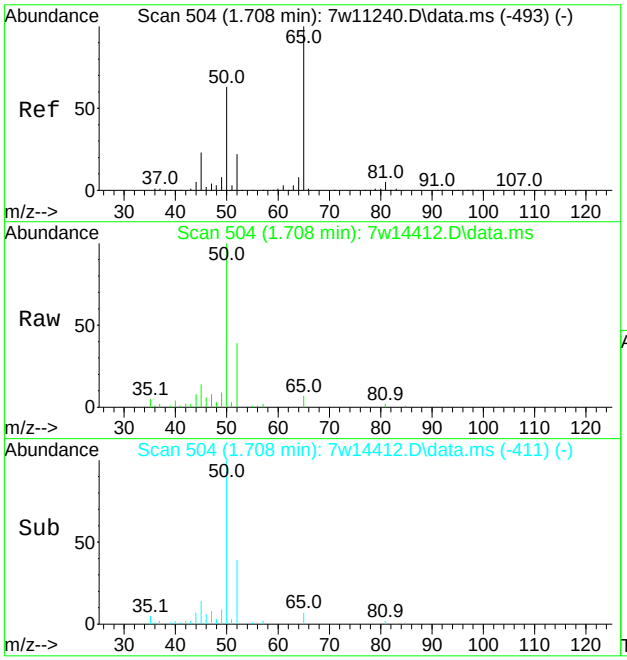


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4451 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 85 Resp: 13789

Ion	Ratio	Lower	Upper
85	100		
87	34.1	22.5	41.7
50	10.2	13.8	25.6#

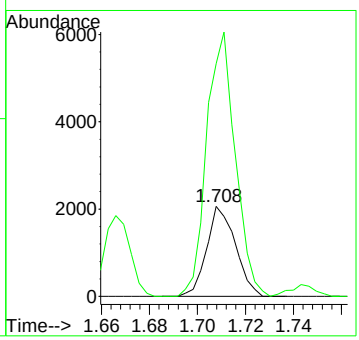


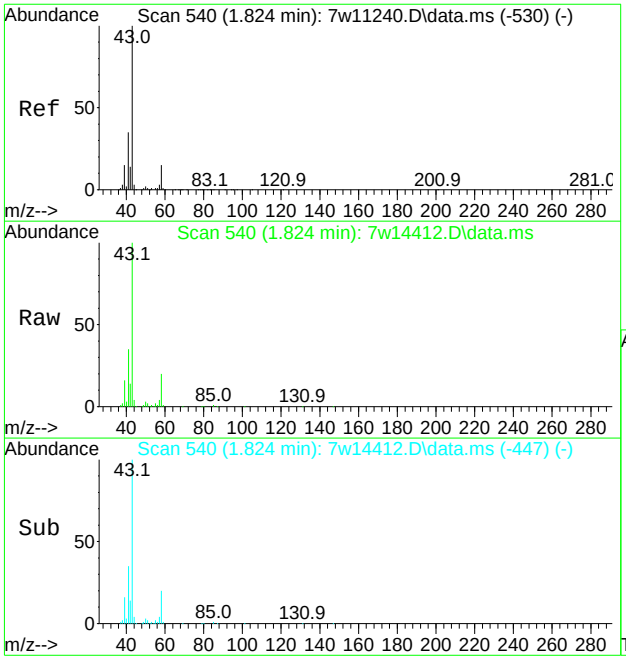


#10
CHLOROMETHANE
Concen: 0.5317 PPBV
RT: 1.708 min Scan# 504
Delta R.T. -0.000 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 52 Resp: 1710

Ion	Ratio	Lower	Upper
52	100		
50	292.5	220.1	408.8

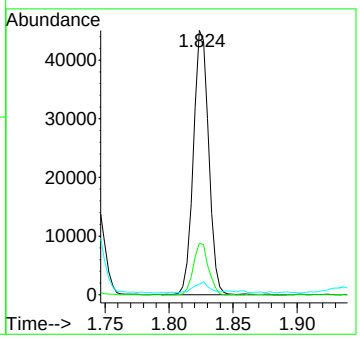


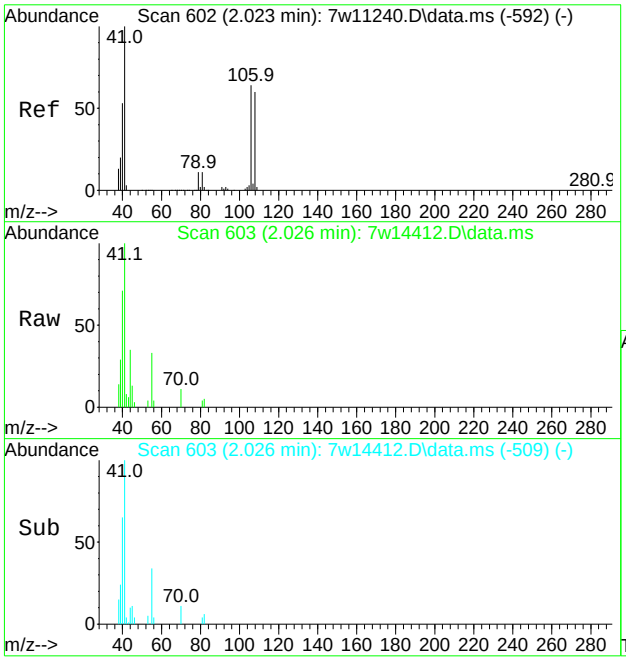


#13
N-BUTANE
Concen: 2.3298 PPBV
RT: 1.824 min Scan# 540
Delta R.T. -0.000 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 43 Resp: 37544

Ion	Ratio	Lower	Upper
43	100		
58	19.3	10.4	19.2#
44	6.3	3.0	5.6#

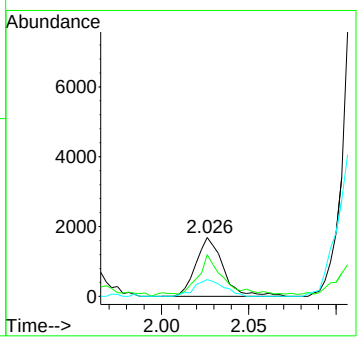


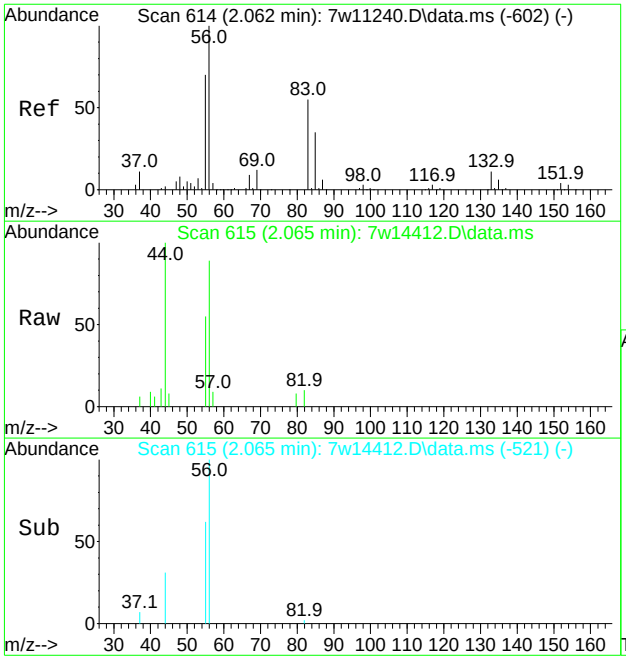


#17
ACETONITRILE
Concen: 0.1827 PPBV
RT: 2.026 min Scan# 603
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 41 Resp: 1825

Ion	Ratio	Lower	Upper
41	100		
40	75.7	37.9	70.5#
39	30.6	13.8	25.6#

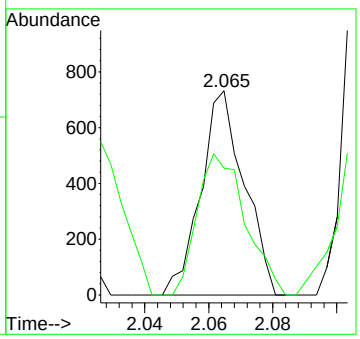


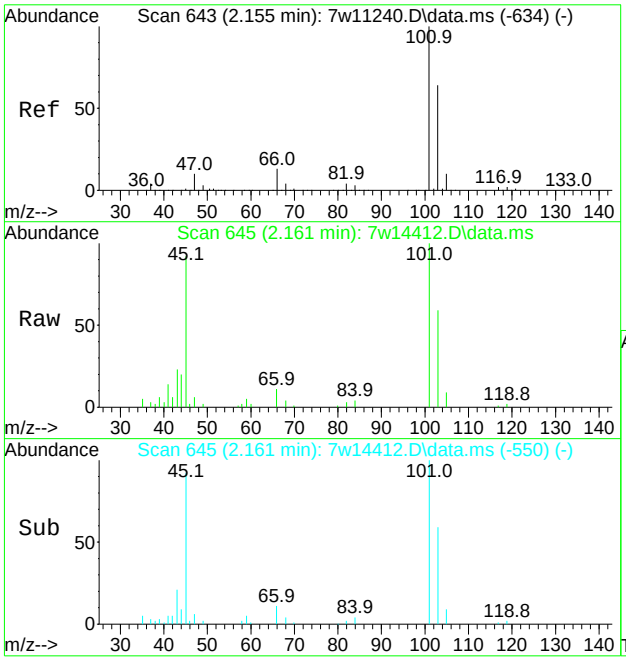


#18
ACROLEIN
Concen: 0.1316 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 56 Resp: 690

Ion	Ratio	Lower	Upper
56	100		
55	76.8	50.3	93.3

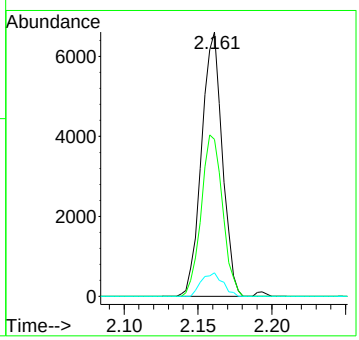


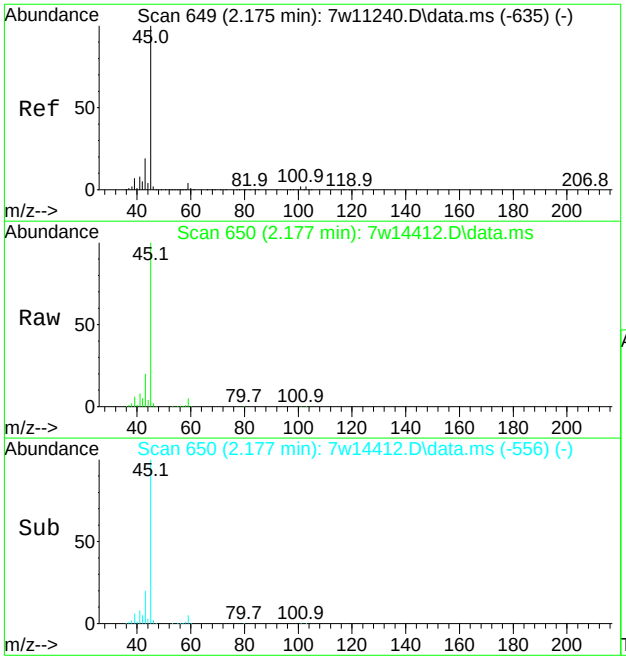


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2378 PPBV
RT: 2.161 min Scan# 645
Delta R.T. 0.006 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion:101 Resp: 6489

Ion	Ratio	Lower	Upper
101	100		
103	62.5	44.9	83.5
105	9.1	7.3	13.5

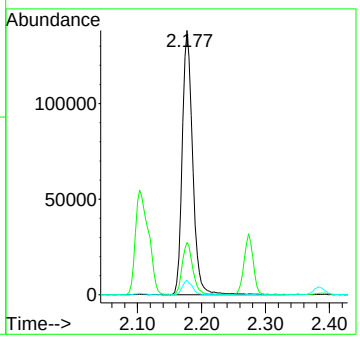


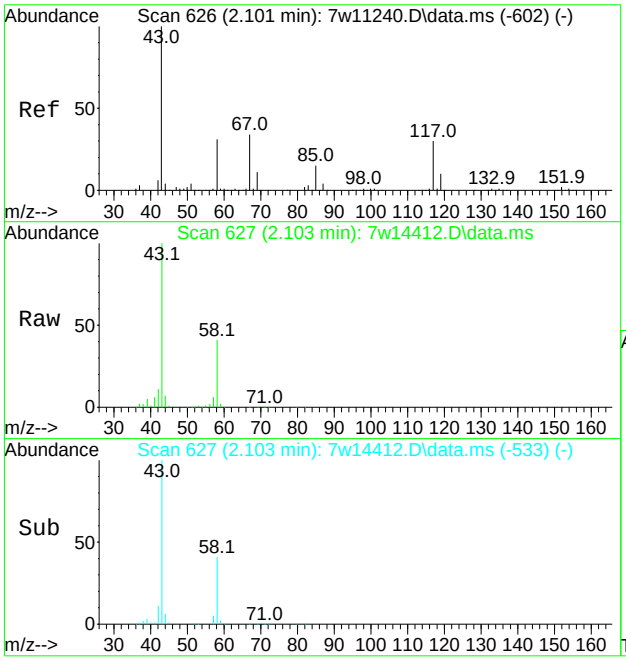


#22
ISOPROPYL ALCOHOL
Concen: 6.8385 PPBV
RT: 2.177 min Scan# 650
Delta R.T. 0.002 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 45 Resp: 157410

Ion	Ratio	Lower	Upper
45	100		
43	20.3	13.9	25.9
59	5.3	2.8	5.2#

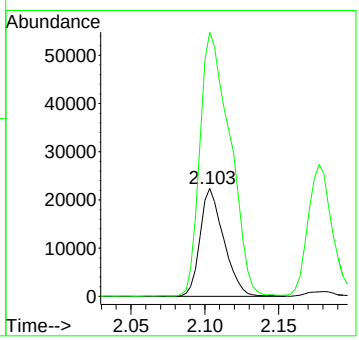


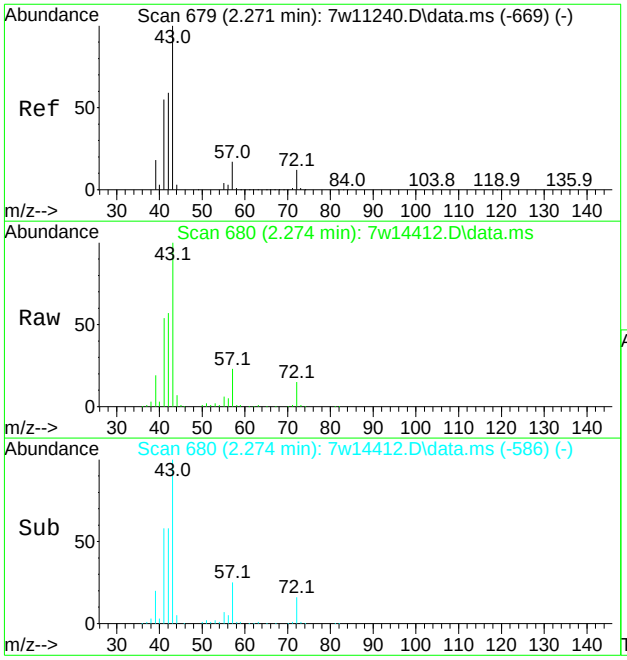


#23
ACETONE
Concen: 3.4557 PPBV
RT: 2.103 min Scan# 627
Delta R.T. 0.002 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 58 Resp: 24947

Ion	Ratio	Lower	Upper
58	100		
43	312.5	234.4	435.2

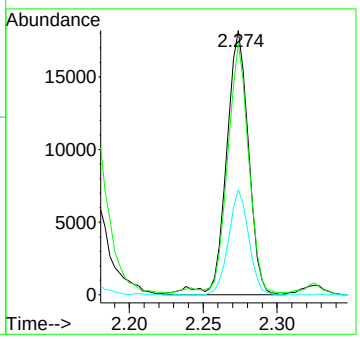


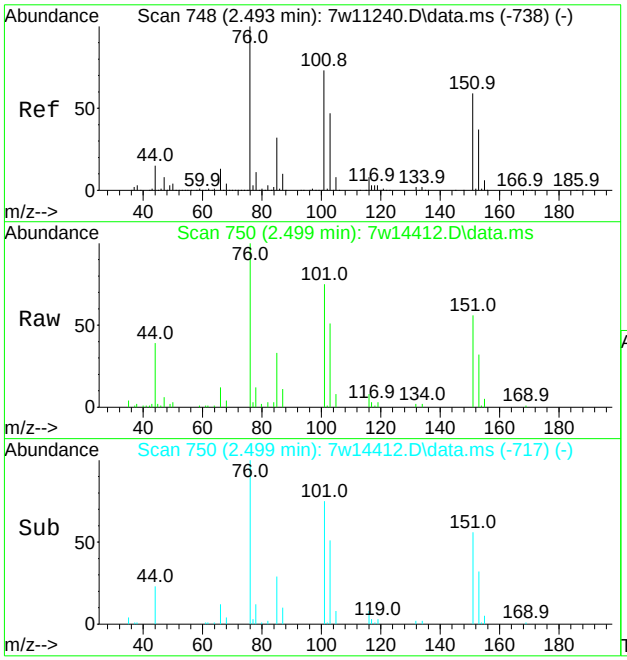


#24
PENTANE
Concen: 1.7123 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 42 Resp: 18932

Ion	Ratio	Lower	Upper
42	100		
41	93.1	64.8	120.3
57	36.1	19.7	36.7

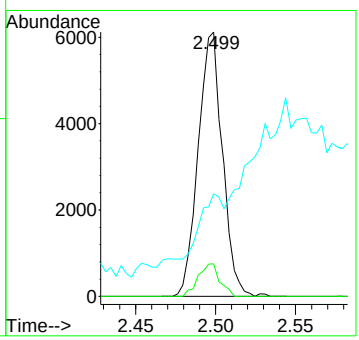


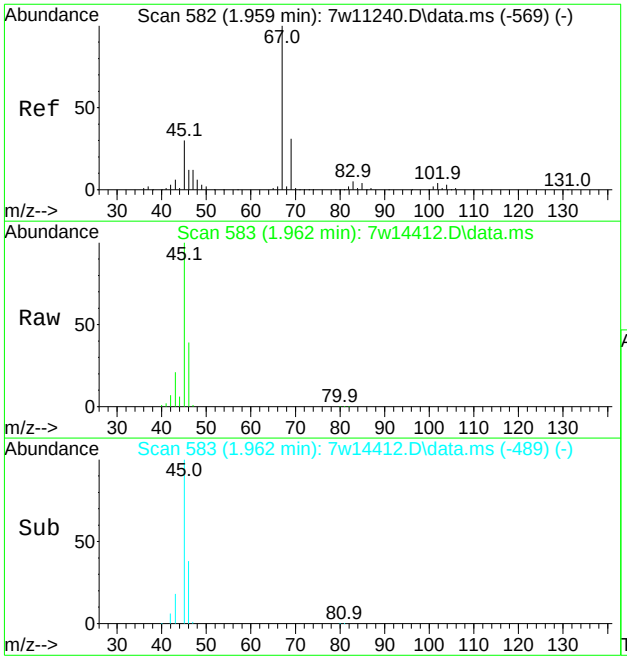


#27
CARBON DISULFIDE
Concen: 0.2407 PPBV
RT: 2.499 min Scan# 750
Delta R.T. 0.006 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 76 Resp: 6459

Ion	Ratio	Lower	Upper
76	100		
78	10.9	7.8	14.6
44	0.0	11.3	20.9#

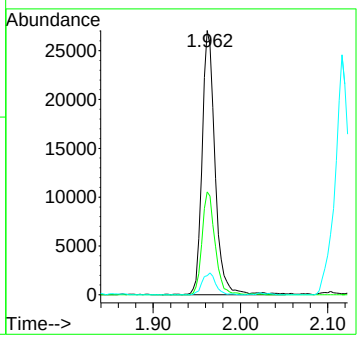


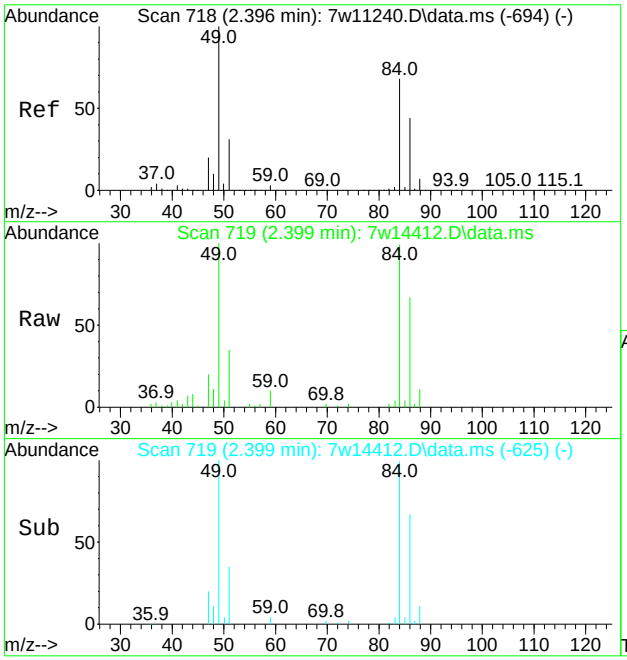


#28
ETHANOL
Concen: 4.4485 PPBV
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 45 Resp: 28031

Ion	Ratio	Lower	Upper
45	100		
46	39.1	28.6	53.0
42	8.6	6.3	11.7

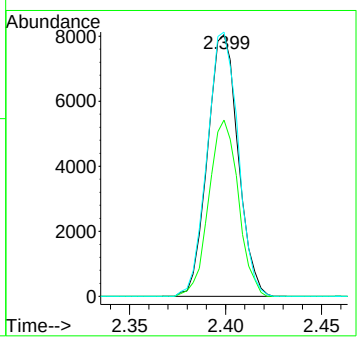


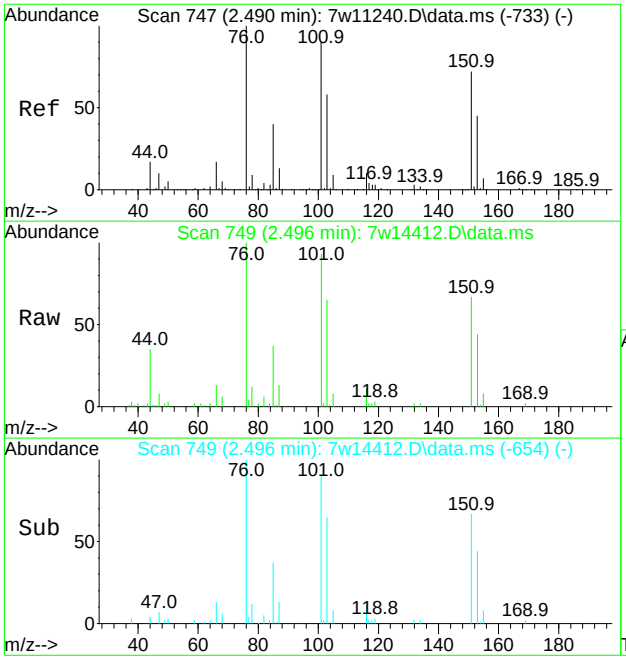


#31
METHYLENE CHLORIDE
Concen: 0.9072 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 84 Resp: 8922

Ion	Ratio	Lower	Upper
84	100		
86	65.0	46.0	85.4
49	101.9	103.9	192.9#

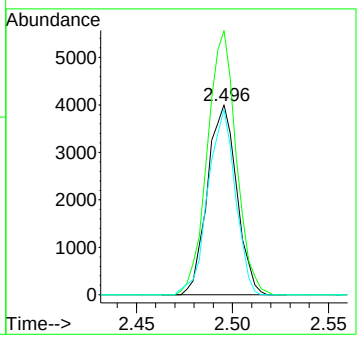


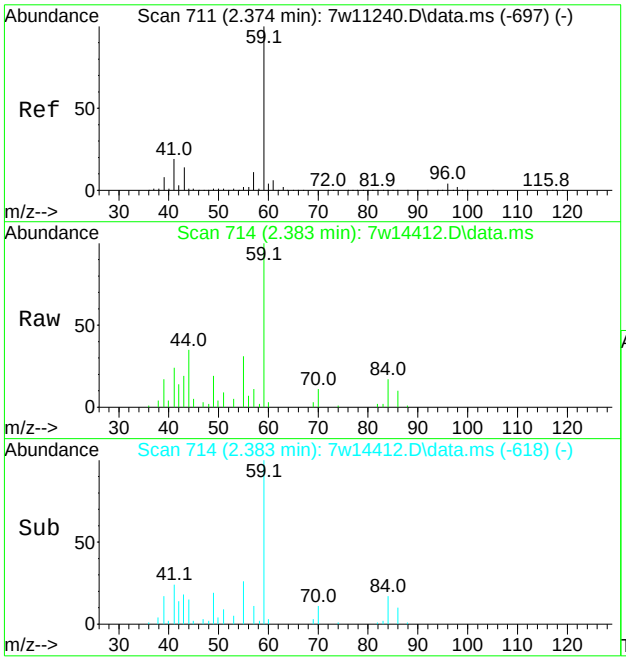


#33
FREON 113
Concen: 0.2598 PPBV
RT: 2.496 min Scan# 749
Delta R.T. 0.006 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion:151 Resp: 4238

Ion	Ratio	Lower	Upper
151	100		
101	137.4	89.3	165.9
103	91.3	57.5	106.9

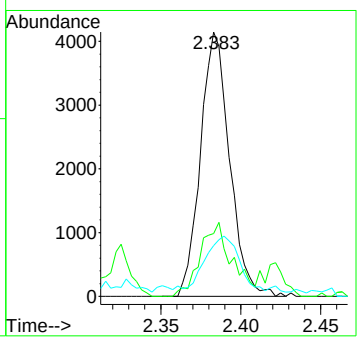


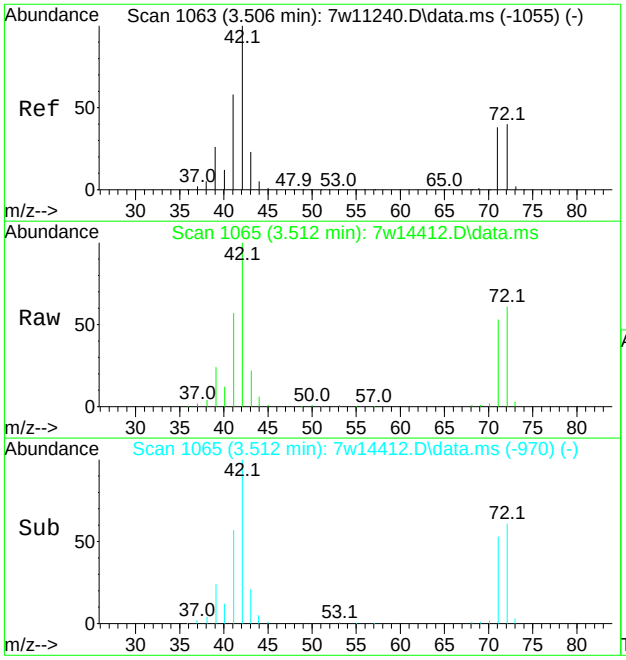


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1983 PPBV
RT: 2.383 min Scan# 714
Delta R.T. 0.009 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 59 Resp: 5249

Ion	Ratio	Lower	Upper
59	100		
41	30.3	14.3	26.5#
43	36.3	9.9	18.5#

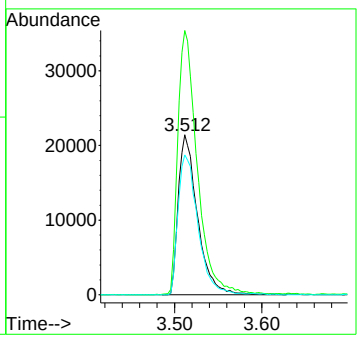


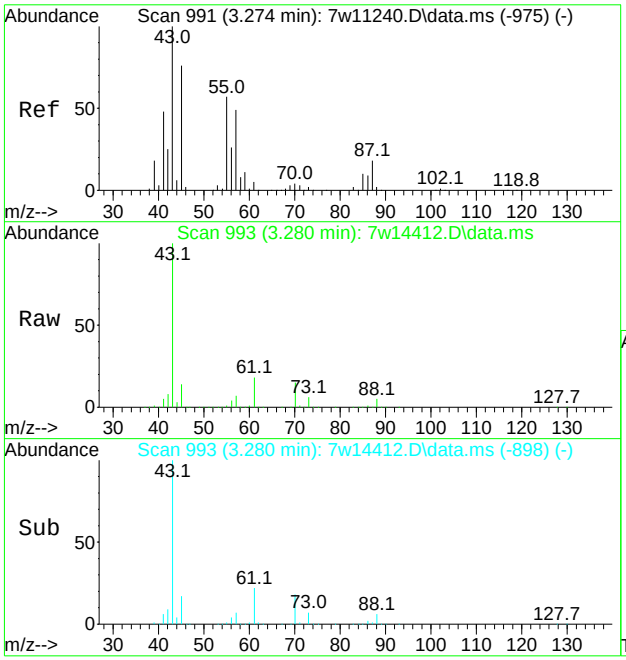


#37
TETRAHYDROFURAN
Concen: 6.5965 PPBV
RT: 3.512 min Scan# 1065
Delta R.T. 0.006 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 72 Resp: 32784

Ion	Ratio	Lower	Upper
72	100		
42	168.8	174.9	324.9#
71	90.8	67.2	124.8

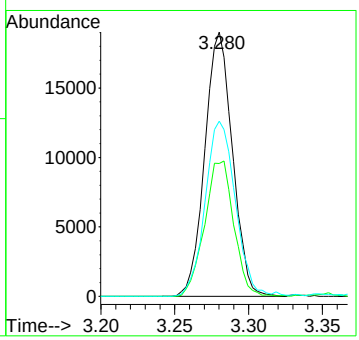


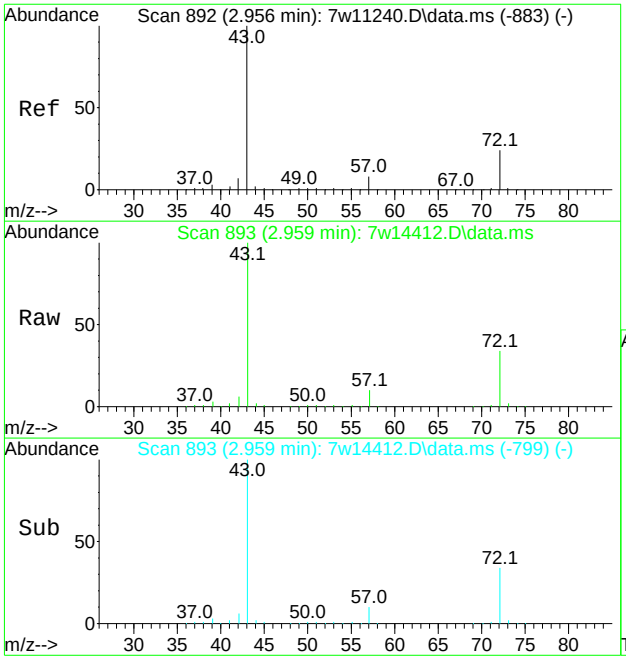


#38
HEXANE
Concen: 1.2093 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 57 Resp: 24746

Ion	Ratio	Lower	Upper
57	100		
56	54.1	37.8	70.2
41	72.9	75.9	140.9#

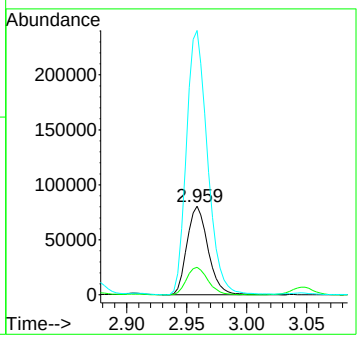


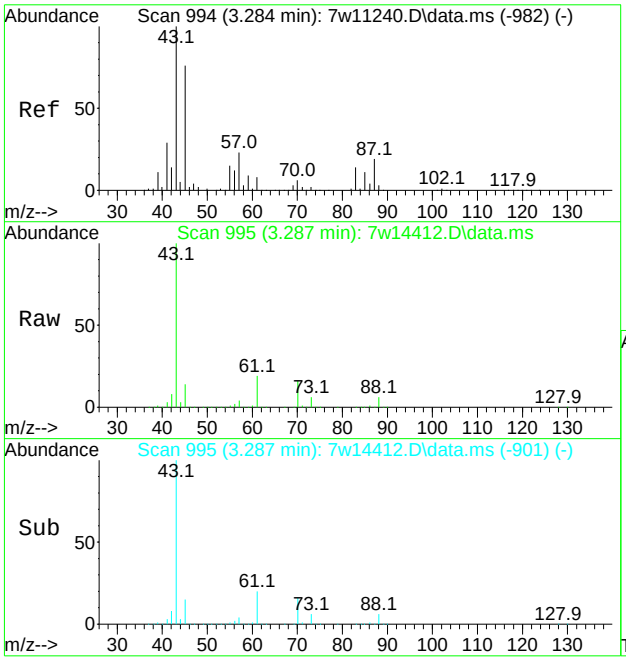


#41
METHYL ETHYL KETONE
Concen: 17.8343 PPBV
RT: 2.959 min Scan# 893
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 72 Resp: 98449

Ion	Ratio	Lower	Upper
72	100		
57	31.5	25.3	46.9
43	299.5	299.6	556.4#

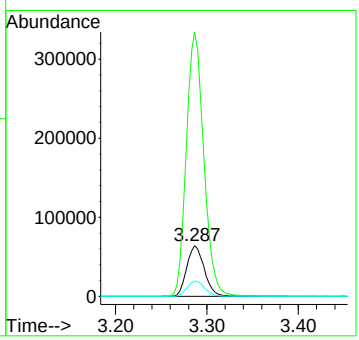


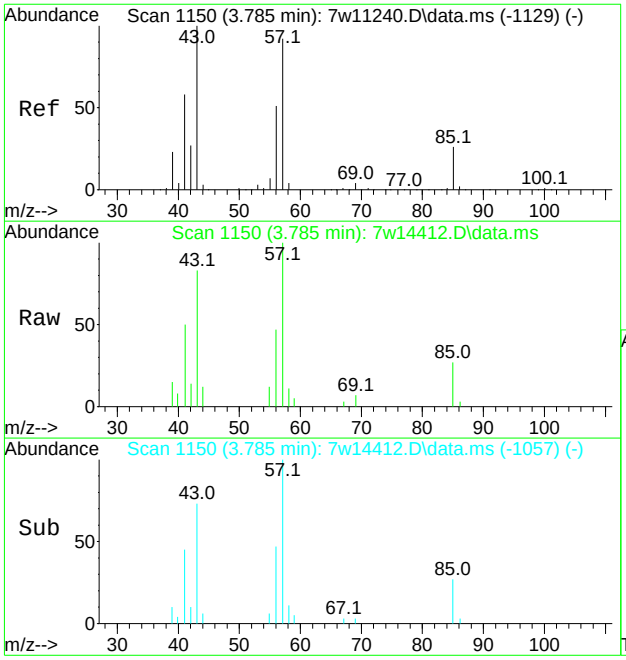


#44
ETHYL ACETATE
Concen: 21.7378 PPBV
RT: 3.287 min Scan# 995
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 61 Resp: 85228

Ion	Ratio	Lower	Upper
61	100		
43	522.8	1005.1	1866.5#
88	30.7	29.3	54.5

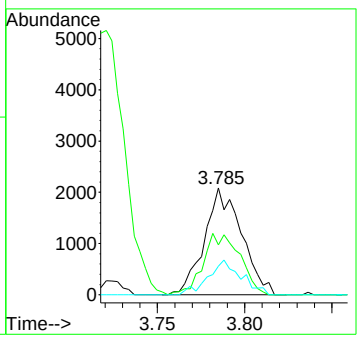


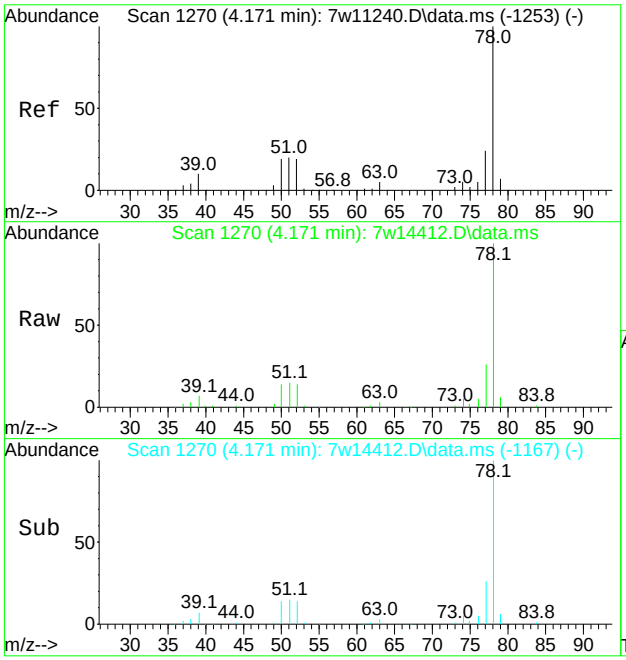


#47
2,4-DIMETHYLPENTANE
Concen: 0.1365 PPBV
RT: 3.785 min Scan# 1150
Delta R.T. -0.000 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 57 Resp: 3089

Ion	Ratio	Lower	Upper
57	100		
56	56.3	38.4	71.2
85	28.7	19.1	35.5

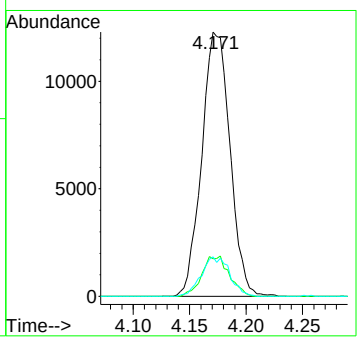


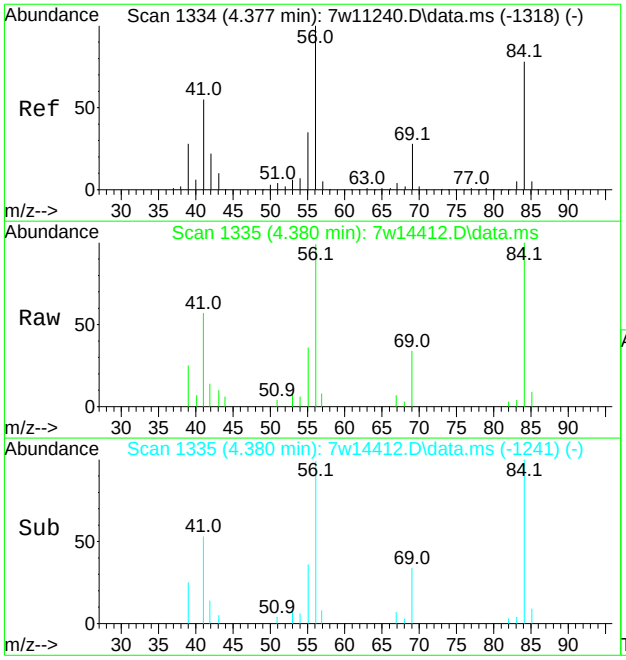


#51
BENZENE
Concen: 0.6431 PPBV
RT: 4.171 min Scan# 1270
Delta R.T. -0.000 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 78 Resp: 21340

Ion	Ratio	Lower	Upper
78	100		
52	14.7	0.0	48.9
51	15.0	0.0	50.2

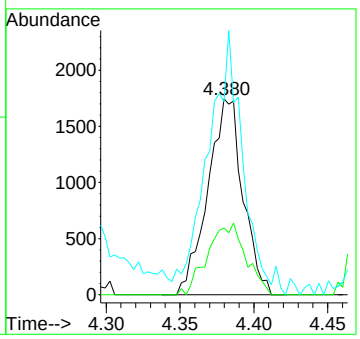


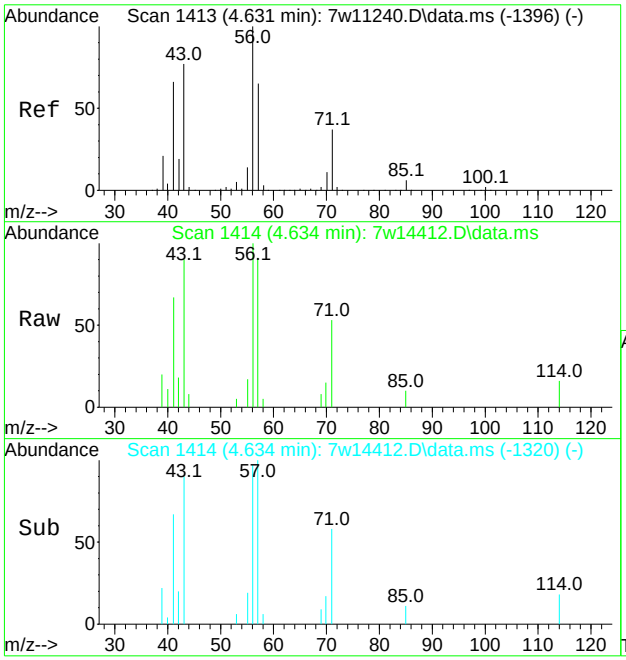


#53
CYCLOHEXANE
Concen: 0.1893 PPBV
RT: 4.380 min Scan# 1335
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 84 Resp: 2877

Ion	Ratio	Lower	Upper
84	100		
69	39.7	24.8	46.0
56	136.1	89.8	166.8

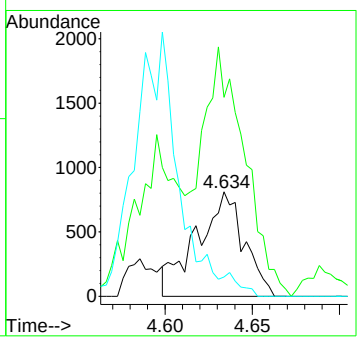


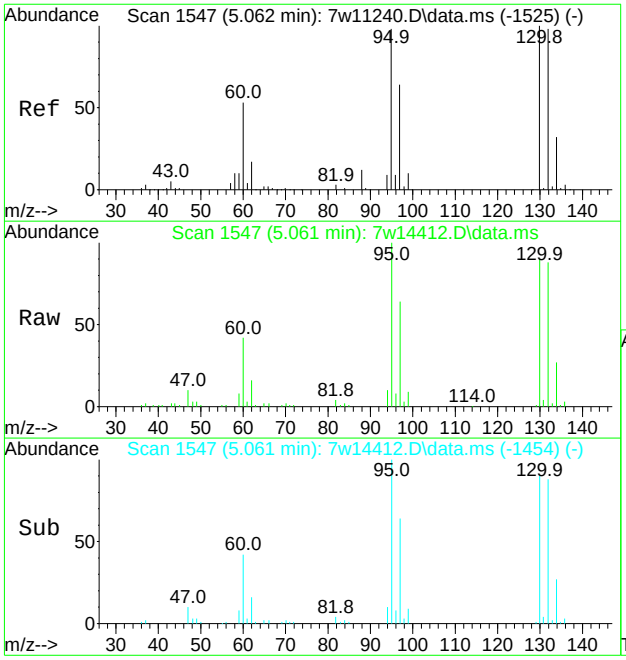


#54
2,3-DIMETHYLPENTANE
Concen: 0.1911 PPBV
RT: 4.634 min Scan# 1414
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 71 Resp: 1525

Ion	Ratio	Lower	Upper
71	100		
56	217.0	199.6	370.8
85	0.0	12.1	22.5#

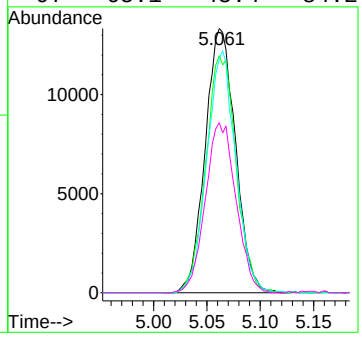


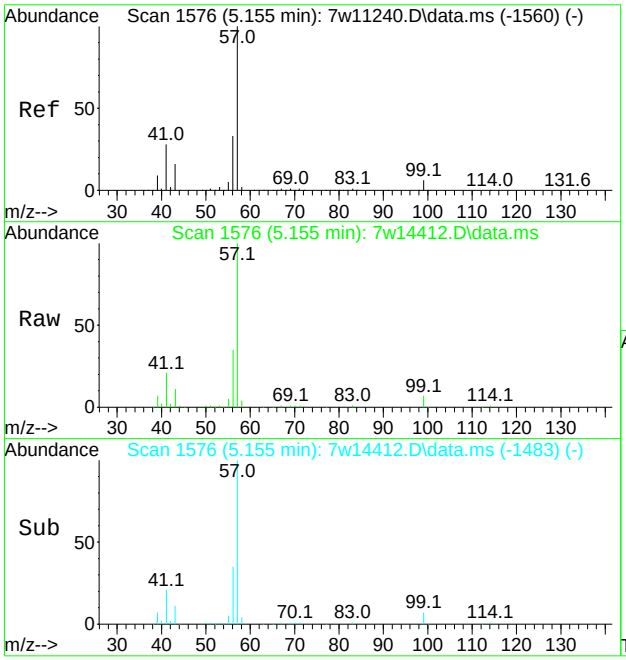


#55
TRICHLOROETHENE
Concen: 1.6087 PPBV
RT: 5.061 min Scan# 1547
Delta R.T. -0.001 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 95 Resp: 26302

Ion	Ratio	Lower	Upper
95	100		
130	89.9	72.8	135.2
132	87.5	71.9	133.5
97	65.1	45.4	84.2

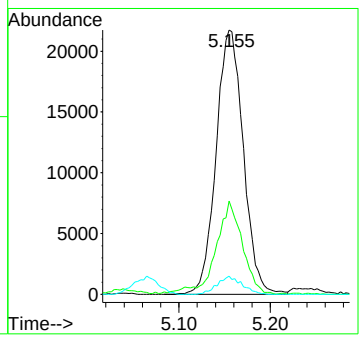


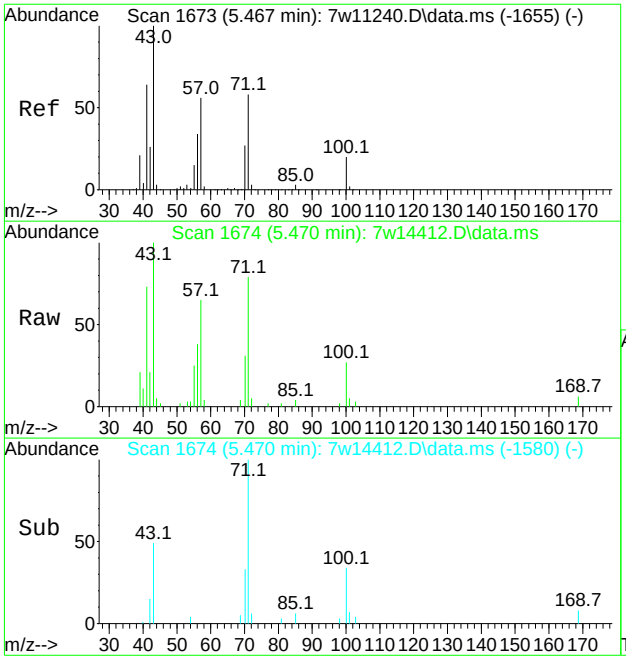


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.7296 PPBV
RT: 5.155 min Scan# 1576
Delta R.T. -0.000 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 57 Resp: 45126

Ion	Ratio	Lower	Upper
57	100		
56	34.9	22.7	42.1
99	6.2	3.9	7.3

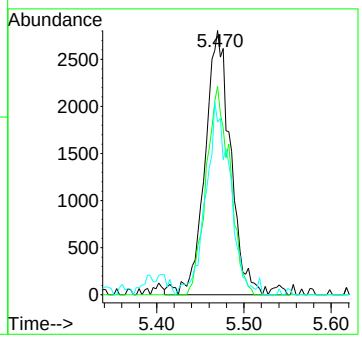


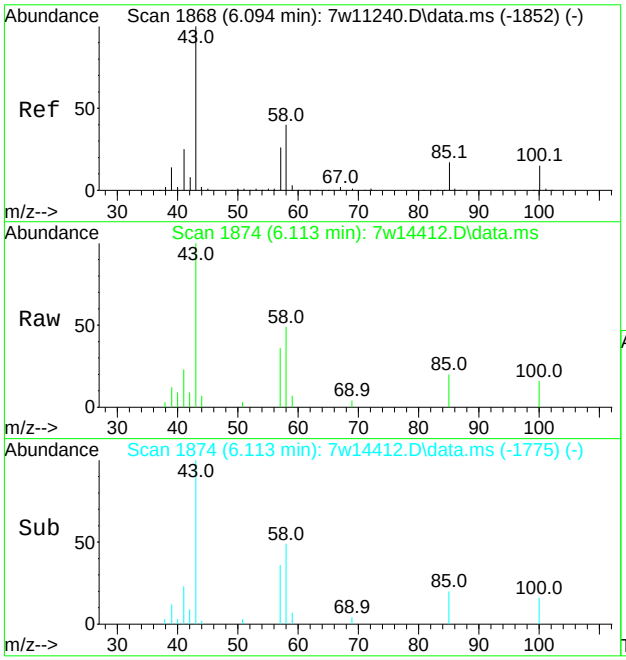


#62
HEPTANE
Concen: 0.2669 PPBV
RT: 5.470 min Scan# 1674
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 43 Resp: 5802

Ion	Ratio	Lower	Upper
43	100		
71	72.3	40.0	74.4
57	68.5	38.9	72.2

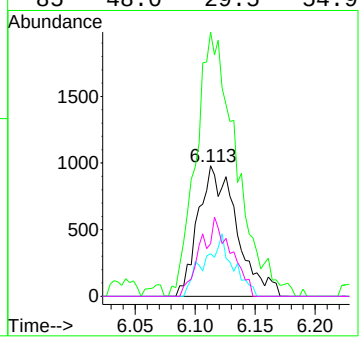


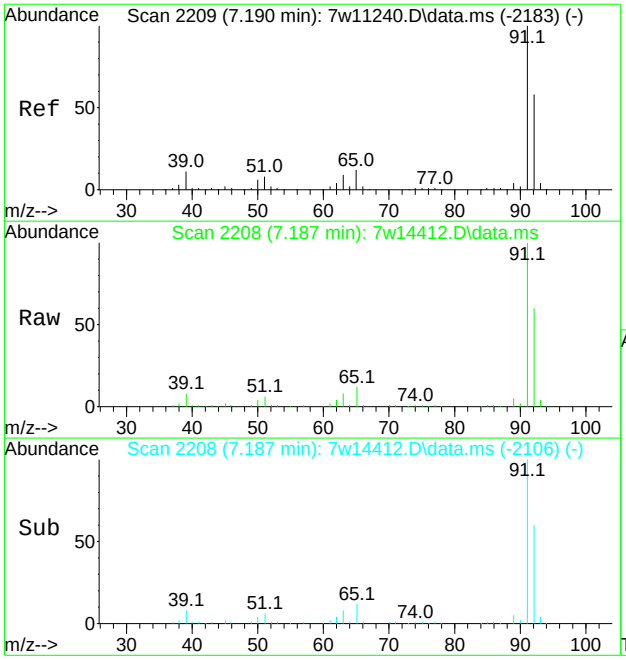


#64
METHYL ISOBUTYL KETONE
Concen: 0.1688 PPBV
RT: 6.113 min Scan# 1874
Delta R.T. 0.019 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 58 Resp: 2191

Ion	Ratio	Lower	Upper
58	100		
43	216.7	175.8	326.4
100	35.3	26.9	49.9
85	48.0	29.5	54.9

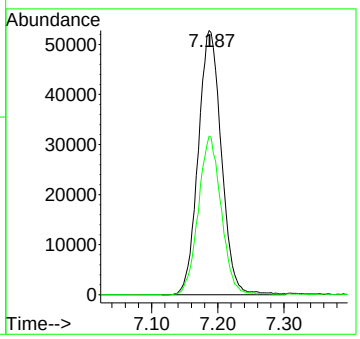


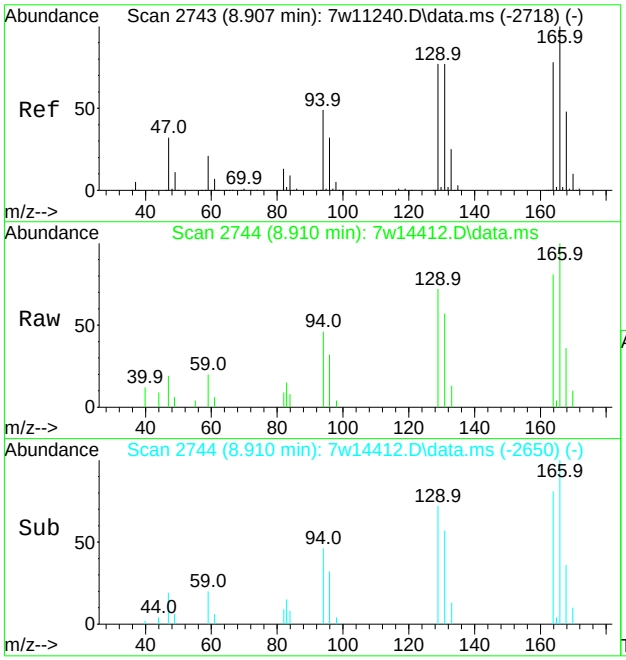


#66
TOLUENE
Concen: 2.8264 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 91 Resp: 128459

Ion	Ratio	Lower	Upper
91	100		
92	58.9	29.0	89.0

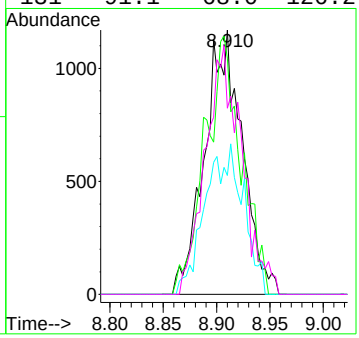


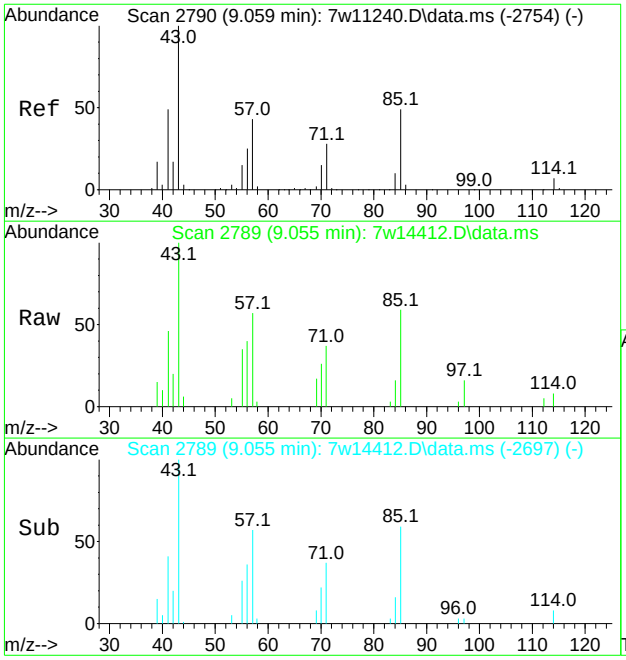


#72
TETRACHLOROETHENE
Concen: 0.1664 PPBV
RT: 8.910 min Scan# 2744
Delta R.T. 0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion:164 Resp: 2865

Ion	Ratio	Lower	Upper
164	100		
129	93.9	68.9	127.9
168	57.7	42.3	78.5
131	91.1	68.0	126.2

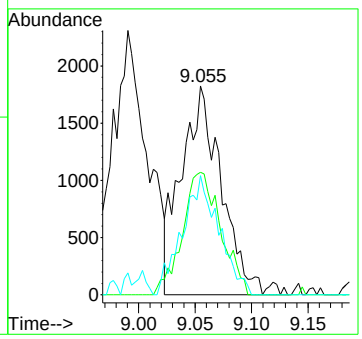


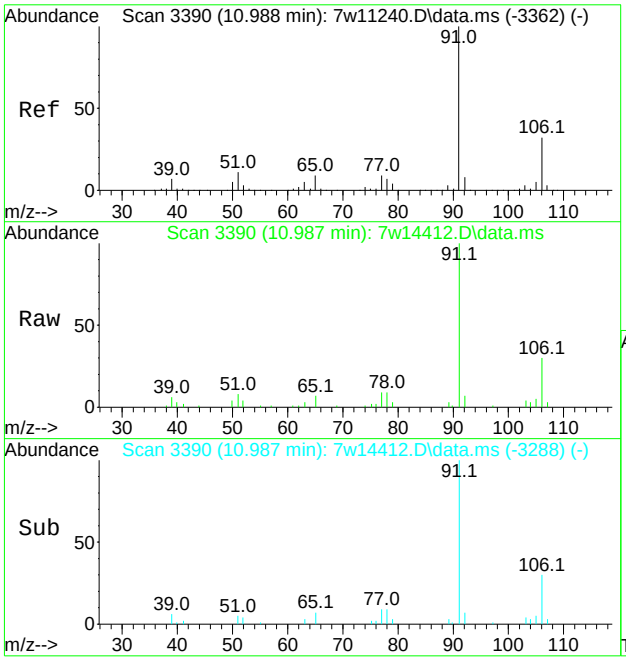


#75
OCTANE
Concen: 0.1482 PPBV
RT: 9.055 min Scan# 2789
Delta R.T. -0.004 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 43 Resp: 4565

Ion	Ratio	Lower	Upper
43	100		
85	55.3	33.9	63.0
57	51.5	30.0	55.8

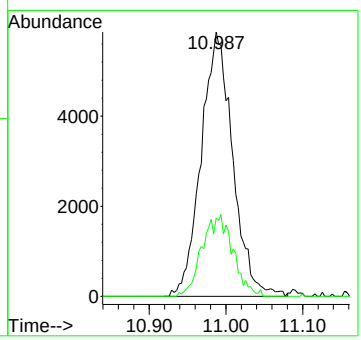


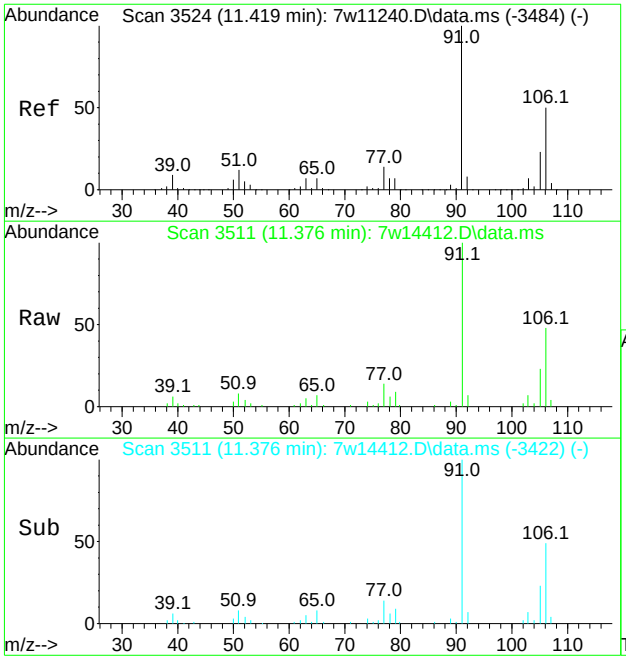


#79
ETHYLBENZENE
Concen: 0.2829 PPBV
RT: 10.987 min Scan# 3390
Delta R.T. -0.001 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 91 Resp: 16770

Ion	Ratio	Lower	Upper
91	100		
106	30.2	1.6	61.6

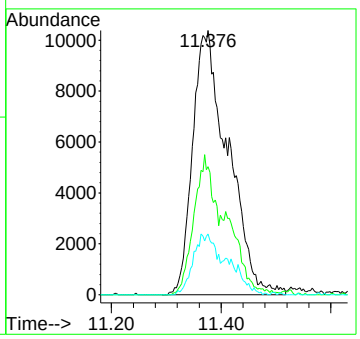


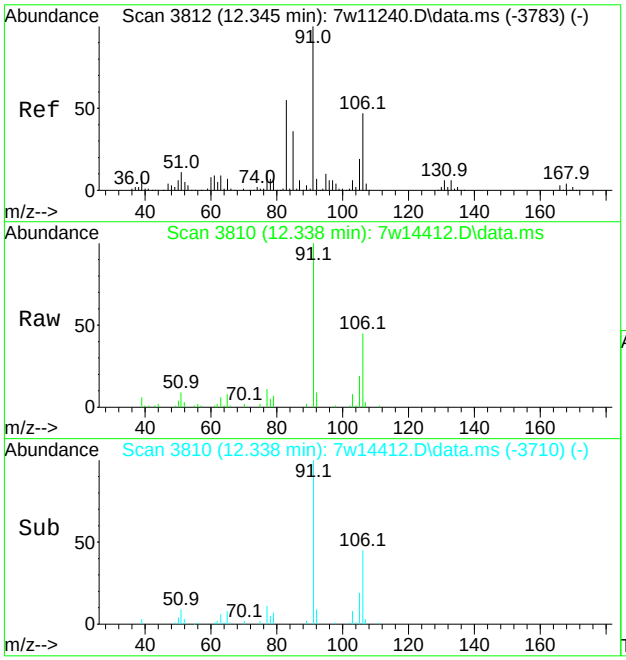


#80
M,P-XYLENE
Concen: 0.9987 PPBV
RT: 11.376 min Scan# 3511
Delta R.T. -0.043 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 91 Resp: 46407

Ion	Ratio	Lower	Upper
91	100		
106	33.1	0.0	55.5
105	22.0	0.0	41.7

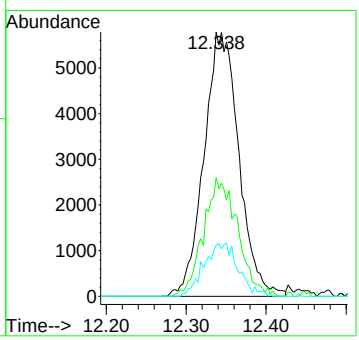


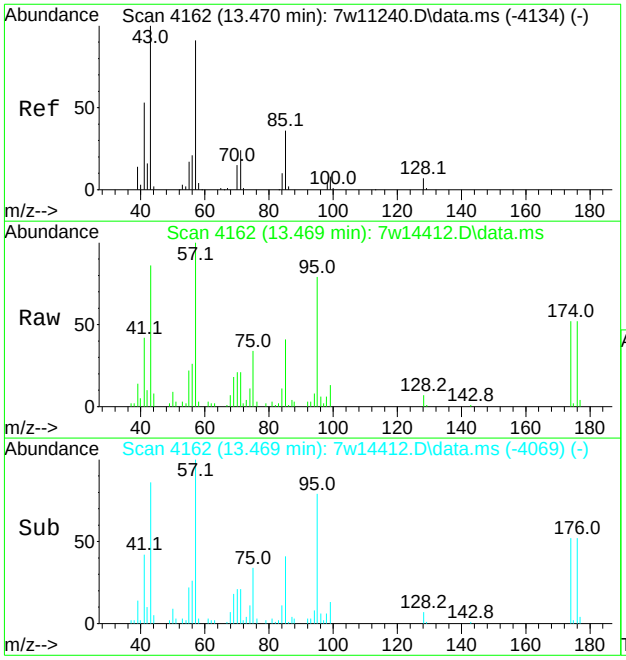


#81
O-XYLENE
Concen: 0.3748 PPBV
RT: 12.338 min Scan# 3810
Delta R.T. -0.007 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 91 Resp: 17493

Ion	Ratio	Lower	Upper
91	100		
106	44.9	32.7	60.7
105	19.4	13.2	24.6

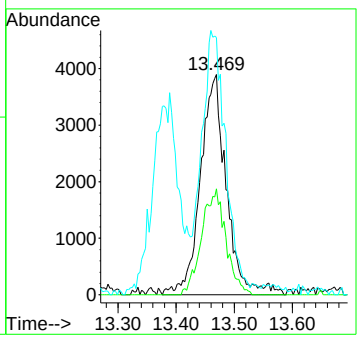


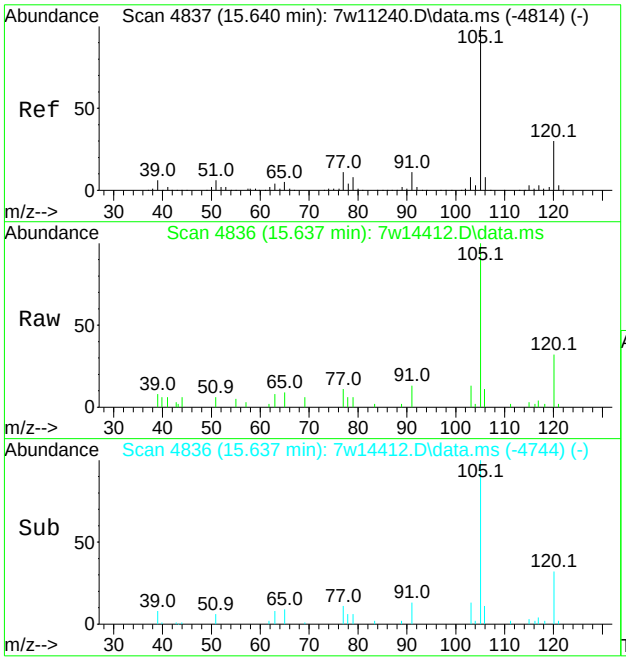


#83
NONANE
Concen: 0.3791 PPBV
RT: 13.469 min Scan# 4162
Delta R.T. -0.001 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion: 43 Resp: 12153

Ion	Ratio	Lower	Upper
43	100		
85	44.6	25.0	46.4
57	111.3	65.7	122.1

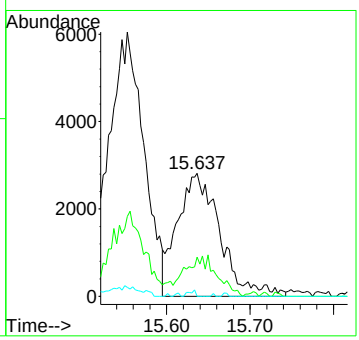


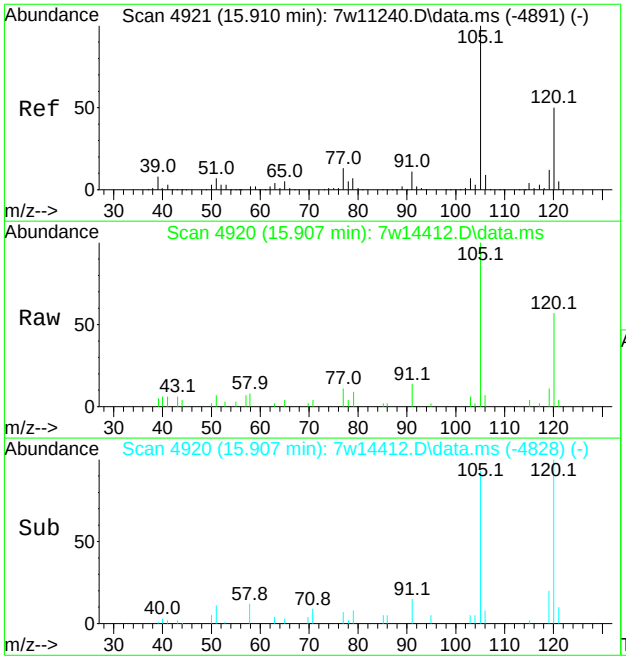


#92
4-ETHYLTOLUENE
Concen: 0.1540 PPBV
RT: 15.637 min Scan# 4836
Delta R.T. -0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion:105 Resp: 9983

Ion	Ratio	Lower	Upper
105	100		
120	24.3	21.1	39.1
119	1.1	1.6	3.0#

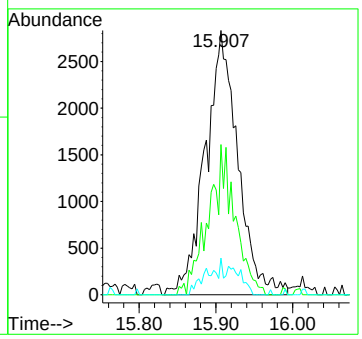


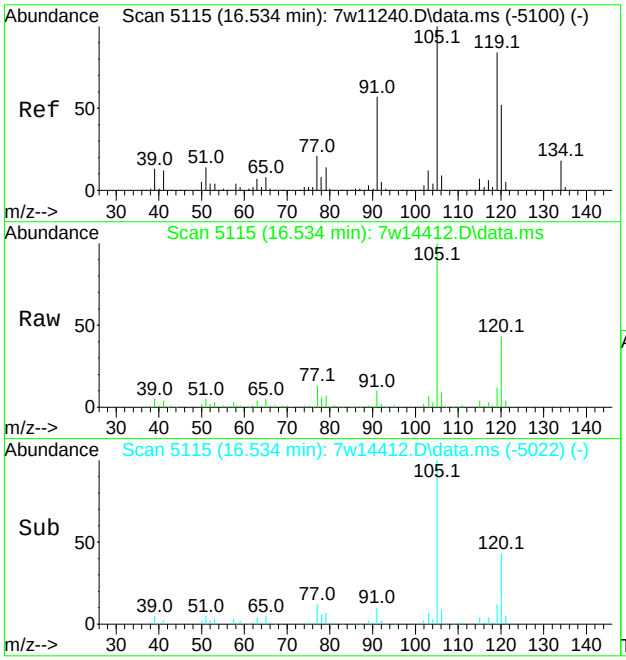


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.1529 PPBV
RT: 15.907 min Scan# 4920
Delta R.T. -0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion:105 Resp: 8343

Ion	Ratio	Lower	Upper
105	100		
120	46.5	34.9	64.7
91	6.4	7.5	13.9#

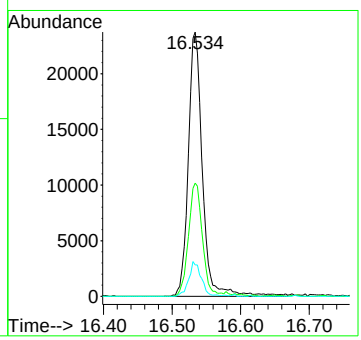


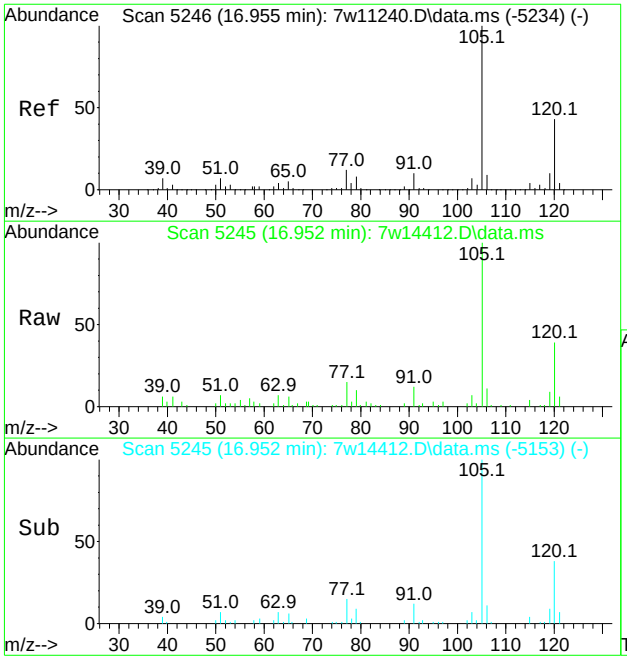


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.6201 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion:105 Resp: 34120

Ion	Ratio	Lower	Upper
105	100		
120	43.6	38.8	72.0
119	11.6	74.3	137.9#

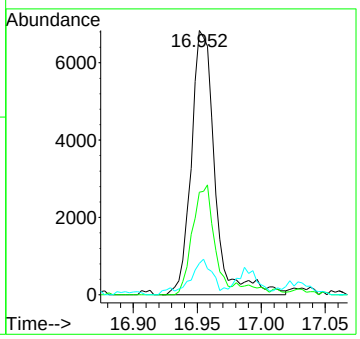




#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.1596 PPBV
RT: 16.952 min Scan# 5245
Delta R.T. -0.003 min
Lab File: 7w14412.D
Acq: 14 Apr 2025 3:29 am

Tgt Ion:105 Resp: 8798

Ion	Ratio	Lower	Upper
105	100		
120	42.9	30.2	56.2
91	12.7	7.1	13.3



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14410.D
Acq On : 14 Apr 2025 2:00 am
Operator : benk
Sample : je8598-3 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 15 05:47:41 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

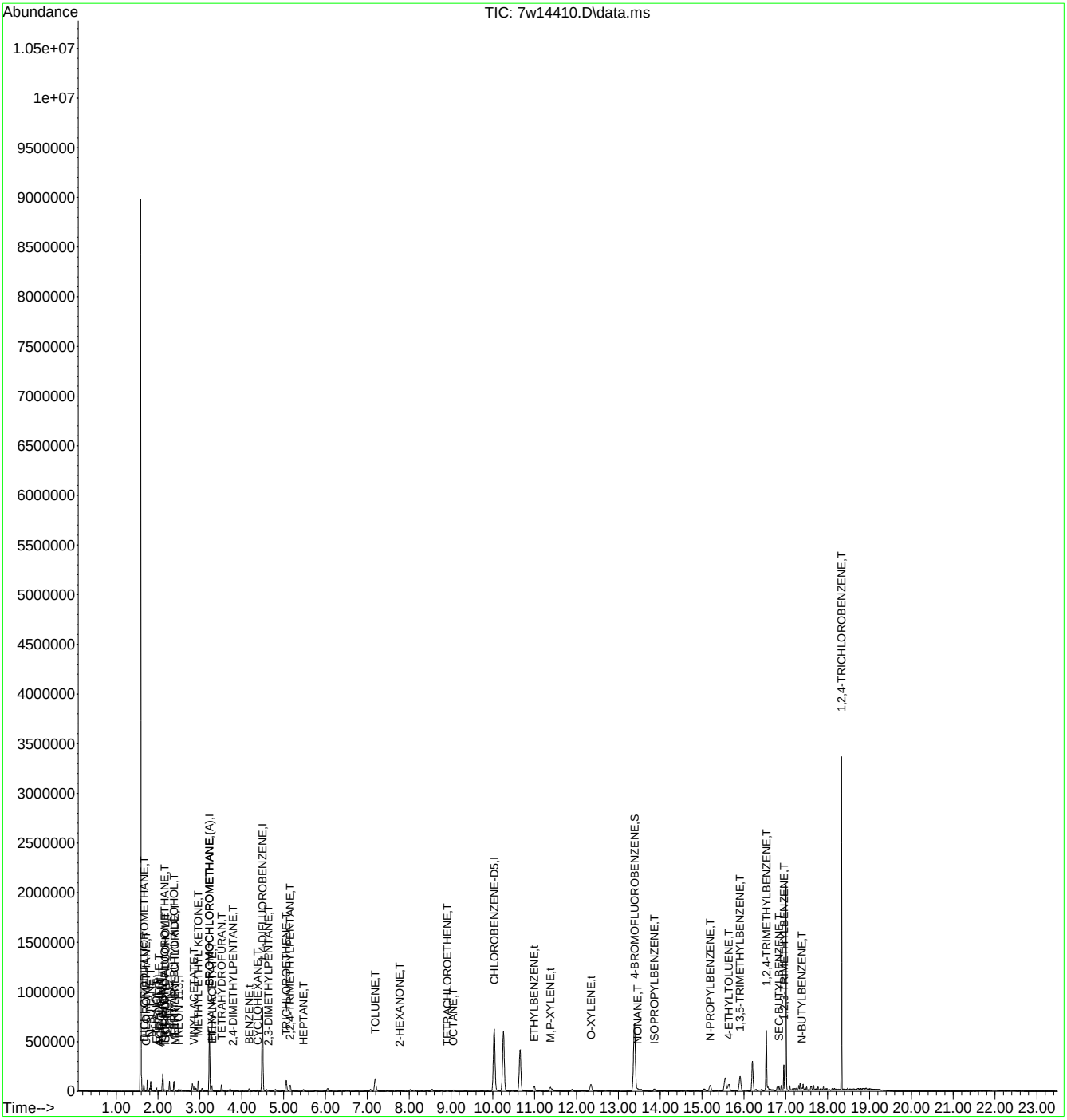
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	BROMOCHLOROMETHANE	3.229	128	124552	10.00	PPBV		0.00
52)	1,4-DIFLUOROBENZENE	4.495	114	640633	10.00	PPBV		0.00
76)	CHLOROBENZENE-D5	10.035	117	597529	10.00	PPBV		0.00
109)	BROMOCHLOROMETHANE (A)	3.229	128	124554	10.00	PPBV		0.00
	System Monitoring Compounds							
87)	4-BROMOFLUOROBENZENE	13.382	95	489699	11.29	PPBV		0.00
	Target Compounds							Qvalue
6)	DICHLORODIFLUOROMETHANE	1.666	85	15331	0.4937	PPBV	#	92
10)	CHLOROMETHANE	1.711	52	705	0.2187	PPBV		100
13)	N-BUTANE	1.827	43	38250	2.3679	PPBV	#	91
17)	ACETONITRILE	2.023	41	1334	0.1333	PPBV	#	90
18)	ACROLEIN	2.065	56	3511	0.6678	PPBV		98
21)	TRICHLOROFLUOROMETHANE	2.161	101	6443	0.2356	PPBV		99
22)	ISOPROPYL ALCOHOL	2.177	45	8635	0.3742	PPBV	#	94
23)	ACETONE	2.106	58	38099	5.2648	PPBV	#	49
24)	PENTANE	2.274	42	20219	1.8243	PPBV		97
28)	ETHANOL	1.962	45	19743	3.1256	PPBV		100
31)	METHYLENE CHLORIDE	2.402	84	2769	0.2809	PPBV		78
33)	FREON 113	2.499	151	3217	0.1967	PPBV		98
35)	TERTIARY BUTYL ALCOHOL	2.377	59	66261	2.4970	PPBV		96
37)	TETRAHYDROFURAN	3.515	72	17223	3.4571	PPBV	#	67
38)	HEXANE	3.283	57	18971	0.9248	PPBV	#	69
39)	VINYL ACETATE	2.856	86	1490	0.4897	PPBV		71
41)	METHYL ETHYL KETONE	2.962	72	25581	4.6229	PPBV		52
44)	ETHYL ACETATE	3.293	61	1079	0.2745	PPBV	#	91
47)	2,4-DIMETHYLPENTANE	3.788	57	3925	0.1731	PPBV		96
51)	BENZENE	4.177	78	20598	0.6192	PPBV		91
53)	CYCLOHEXANE	4.380	84	4700	0.3105	PPBV		98
54)	2,3-DIMETHYLPENTANE	4.634	71	1685	0.2120	PPBV	#	90
55)	TRICHLOROETHENE	5.061	95	41569	2.5527	PPBV		88
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	63456	1.0301	PPBV		95
62)	HEPTANE	5.473	43	5781	0.2670	PPBV		79
66)	TOLUENE	7.190	91	129181	2.8538	PPBV		99
70)	2-HEXANONE	7.772	58	2323	0.1151	PPBV		80
72)	TETRACHLOROETHENE	8.910	164	4010	0.2338	PPBV		92
75)	OCTANE	9.048	43	3171	0.1034	PPBV	#	81
79)	ETHYLBENZENE	10.987	91	57739	0.9811	PPBV		99
80)	M,P-XYLENE	11.376	91	62566	1.3561	PPBV		62
81)	O-XYLENE	12.344	91	78930	1.7035	PPBV		94
83)	NONANE	13.456	43	7986	0.2509	PPBV		82
88)	ISOPROPYLBENZENE	13.855	120	7411	0.4187	PPBV		94
91)	N-PROPYLBENZENE	15.189	120	19401	1.0813	PPBV		98
92)	4-ETHYLTOLUENE	15.636	105	86782	1.3486	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.906	105	164380	3.0353	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	16.533	105	320791	5.8724	PPBV	#	34
101)	SEC-BUTYLBENZENE	16.836	134	3979	0.2463	PPBV		78
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	113703	2.0780	PPBV		97
104)	N-BUTYLBENZENE	17.382	134	2278	0.1302	PPBV	#	40
107)	1,2,4-TRICHLOROBENZENE	18.331	180	4565	0.1518	PPBV	#	30

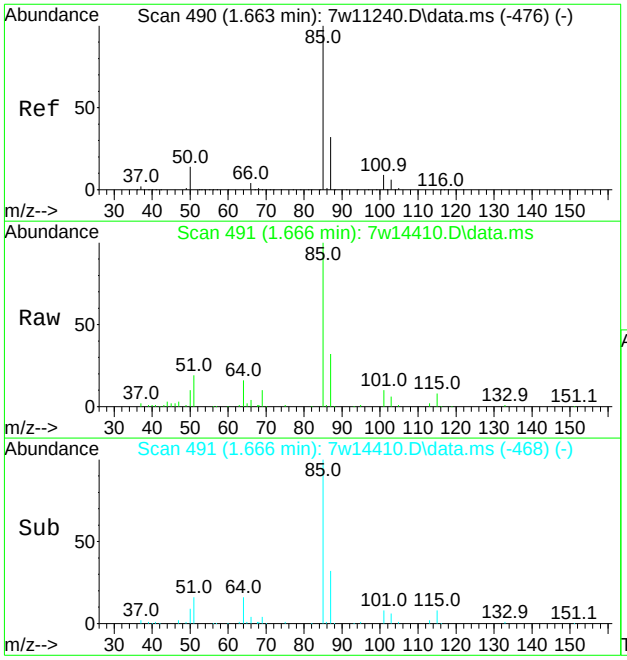
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14410.D
Acq On : 14 Apr 2025 2:00 am
Operator : benk
Sample : je8598-3 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 15 05:47:41 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

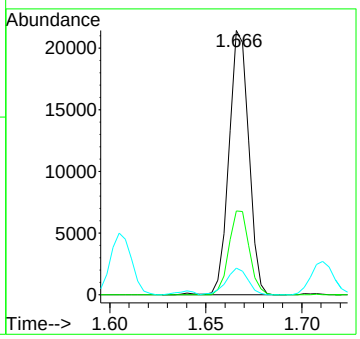


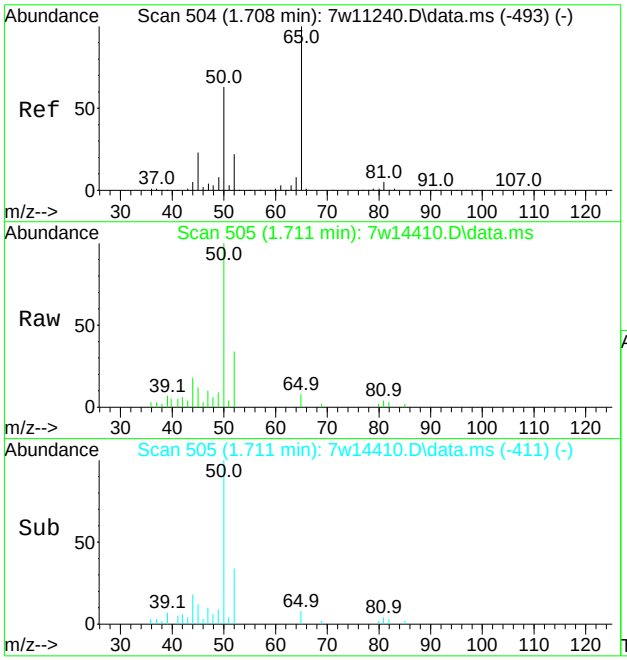


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4937 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 85 Resp: 15331

Ion	Ratio	Lower	Upper
85	100		
87	32.7	22.5	41.7
50	11.1	13.8	25.6#

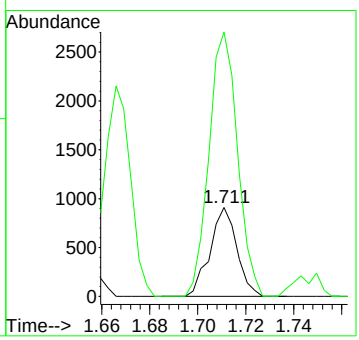


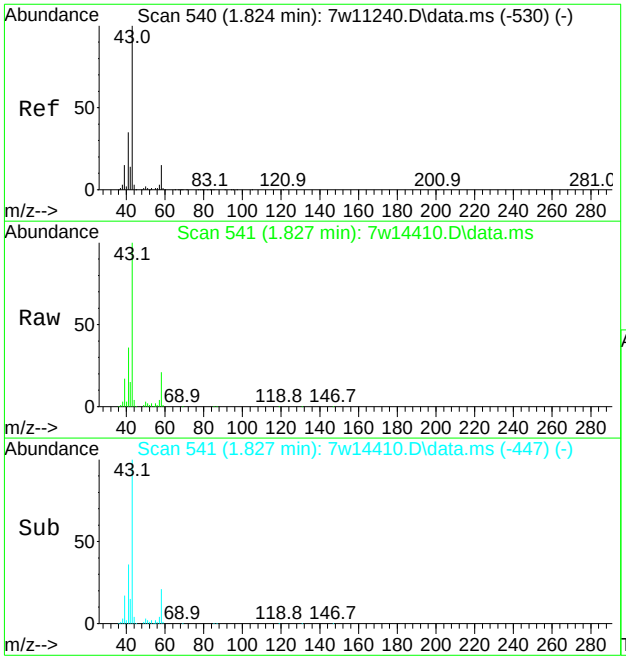


#10
CHLOROMETHANE
Concen: 0.2187 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 52 Resp: 705

Ion	Ratio	Lower	Upper
52	100		
50	315.0	220.1	408.8

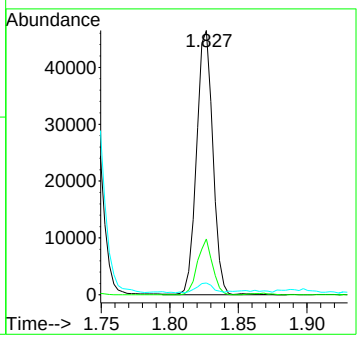


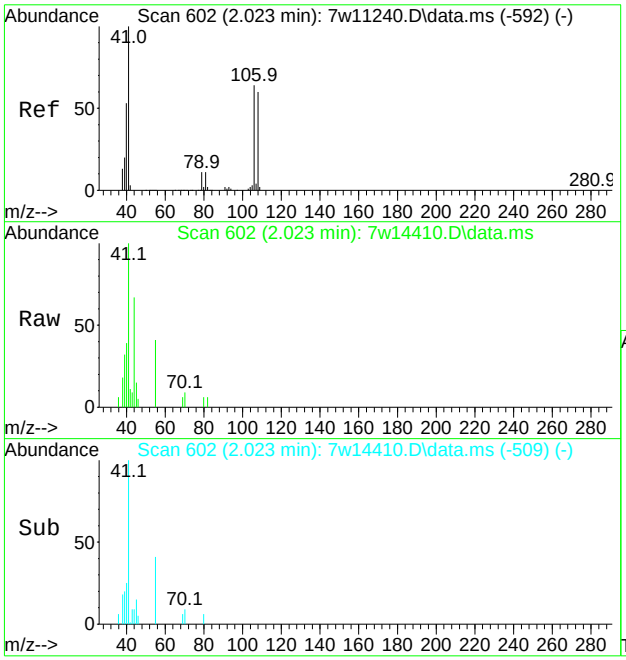


#13
N-BUTANE
Concen: 2.3679 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 43 Resp: 38250

Ion	Ratio	Lower	Upper
43	100		
58	19.5	10.4	19.2#
44	3.9	3.0	5.6

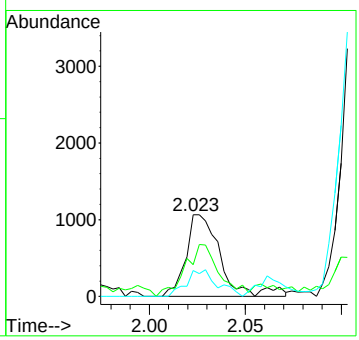


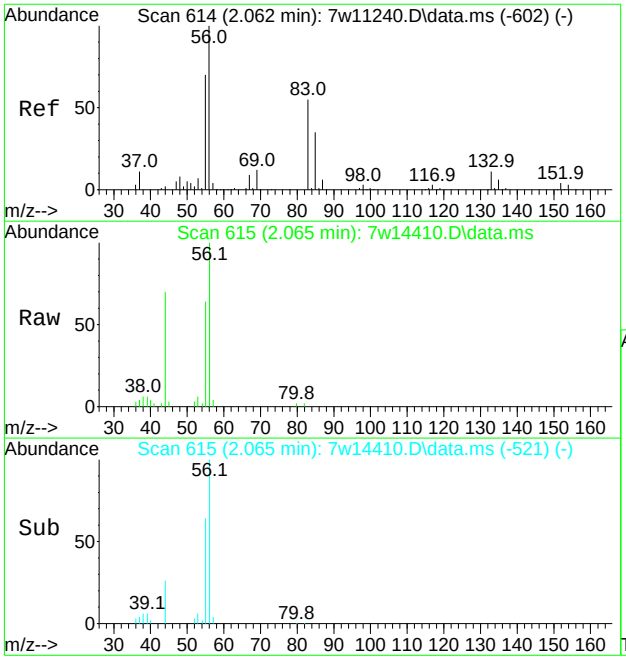


#17
ACETONITRILE
Concen: 0.1333 PPBV
RT: 2.023 min Scan# 602
Delta R.T. -0.000 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 41 Resp: 1334

Ion	Ratio	Lower	Upper
41	100		
40	49.9	37.9	70.5
39	28.9	13.8	25.6#

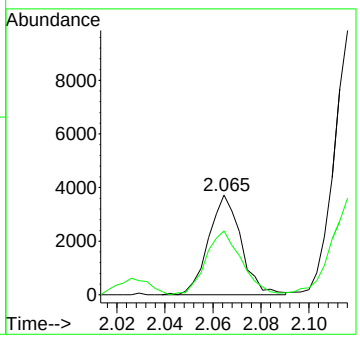


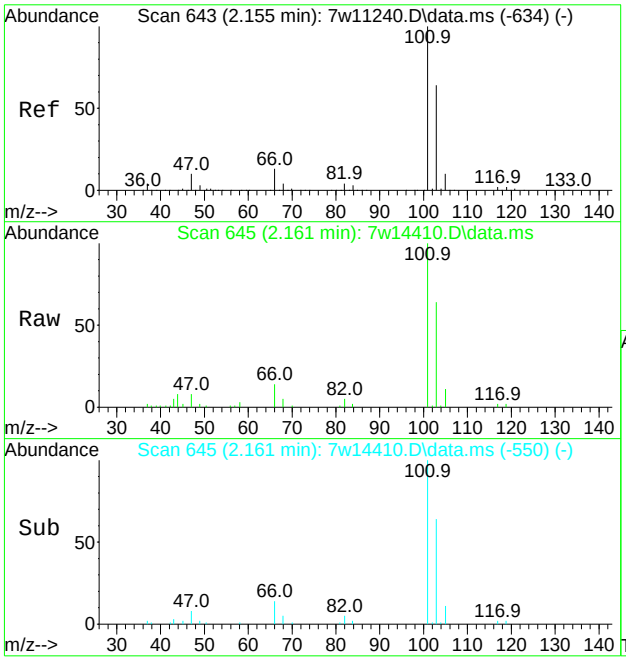


#18
ACROLEIN
Concen: 0.6678 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 56 Resp: 3511

Ion	Ratio	Lower	Upper
56	100		
55	69.9	50.3	93.3

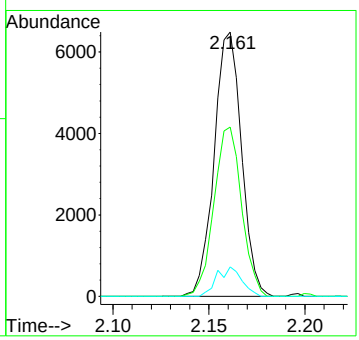


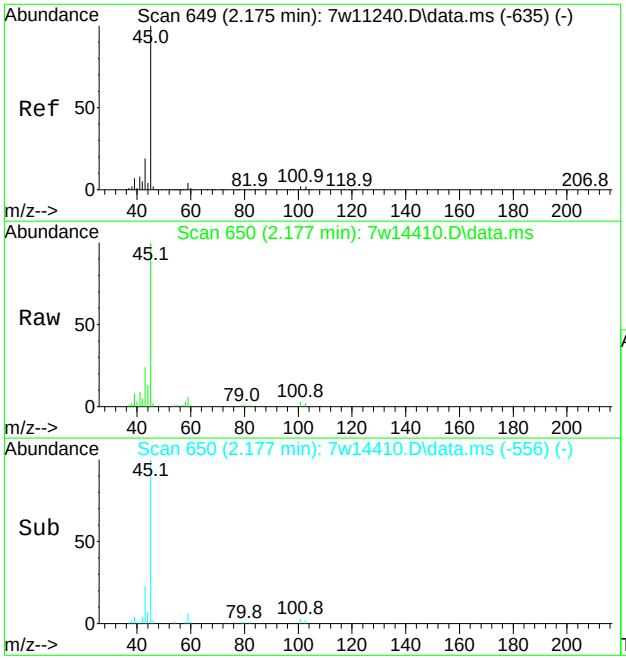


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2356 PPBV
RT: 2.161 min Scan# 645
Delta R.T. 0.006 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:101 Resp: 6443

Ion	Ratio	Lower	Upper
101	100		
103	64.7	44.9	83.5
105	10.2	7.3	13.5

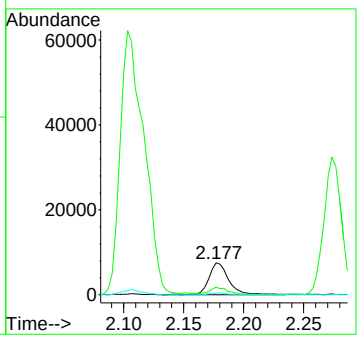


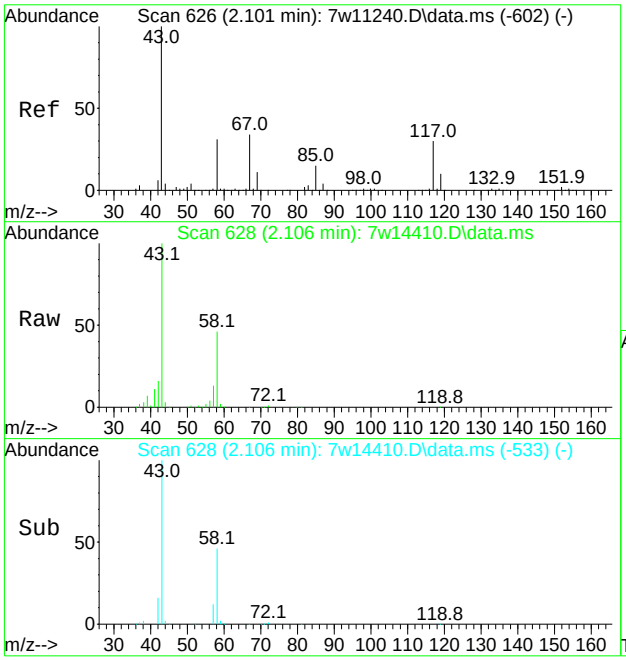


#22
ISOPROPYL ALCOHOL
Concen: 0.3742 PPBV
RT: 2.177 min Scan# 650
Delta R.T. 0.002 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 45 Resp: 8635

Ion	Ratio	Lower	Upper
45	100		
43	23.1	13.9	25.9
59	5.2	2.8	5.2#

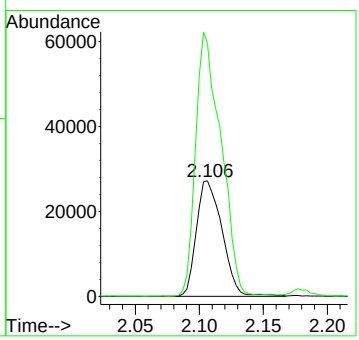


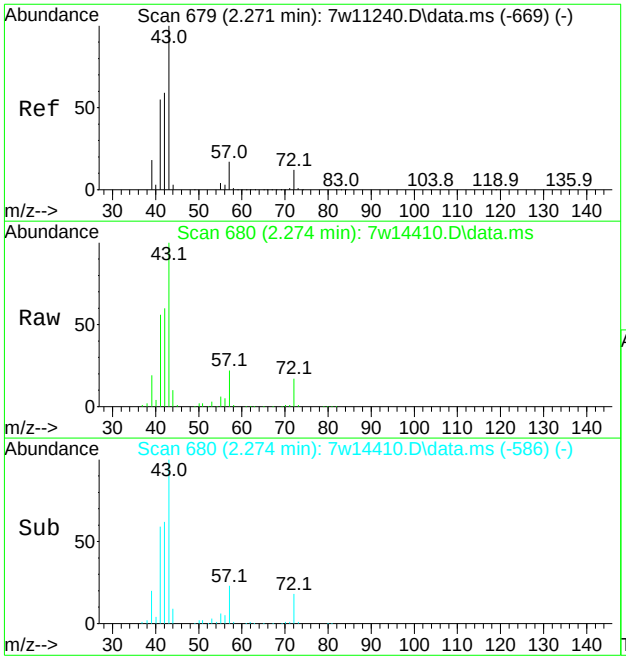


#23
ACETONE
Concen: 5.2648 PPBV
RT: 2.106 min Scan# 628
Delta R.T. 0.005 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 58 Resp: 38099

Ion	Ratio	Lower	Upper
58	100		
43	226.9	234.4	435.2#

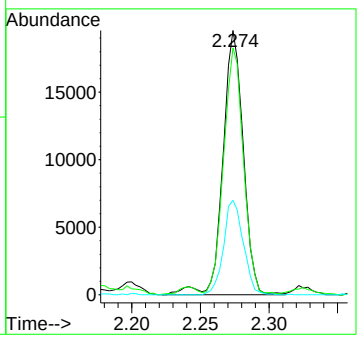


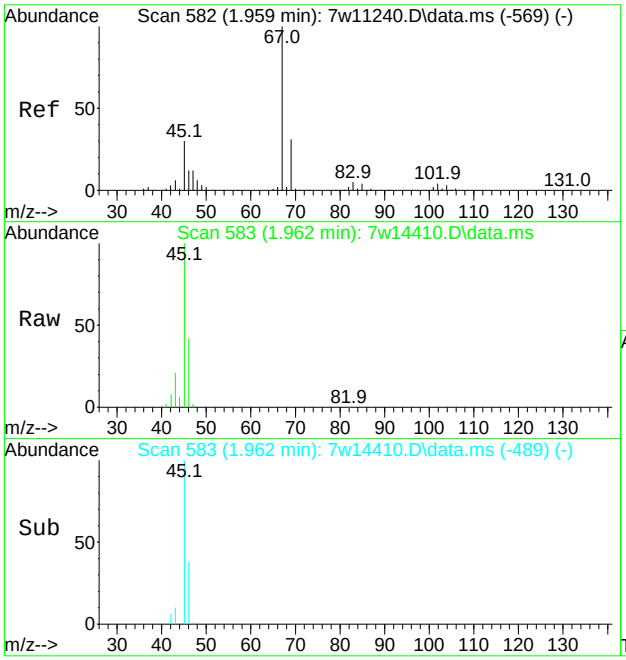


#24
PENTANE
Concen: 1.8243 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 42 Resp: 20219

Ion	Ratio	Lower	Upper
42	100		
41	93.1	64.8	120.3
57	34.6	19.7	36.7

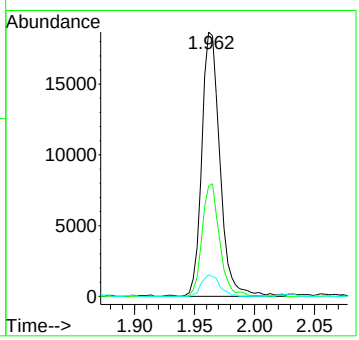


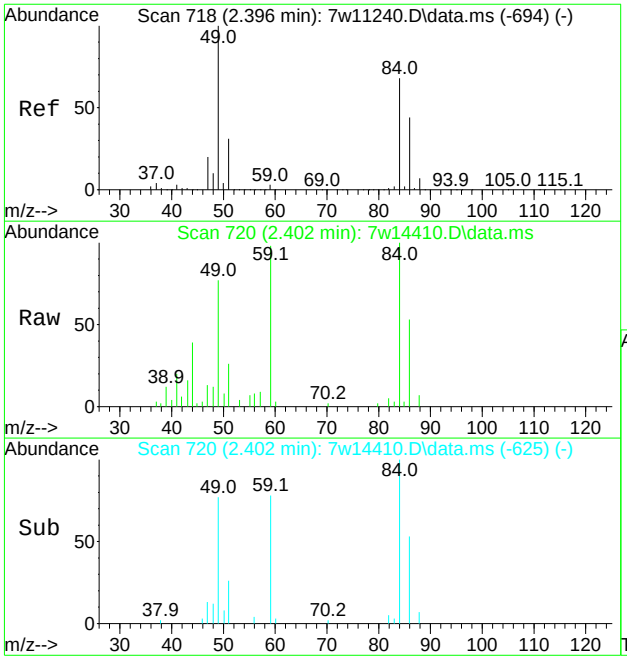


#28
ETHANOL
Concen: 3.1256 PPBV
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 45 Resp: 19743

Ion	Ratio	Lower	Upper
45	100		
46	40.8	28.6	53.0
42	8.2	6.3	11.7

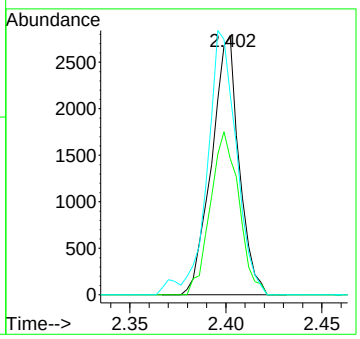


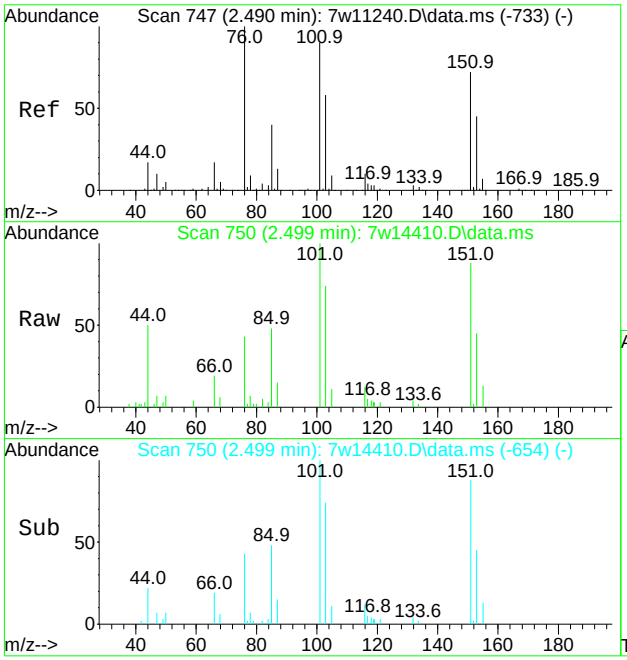


#31
METHYLENE CHLORIDE
Concen: 0.2809 PPBV
RT: 2.402 min Scan# 720
Delta R.T. 0.006 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 84 Resp: 2769

Ion	Ratio	Lower	Upper
84	100		
86	65.4	46.0	85.4
49	108.6	103.9	192.9

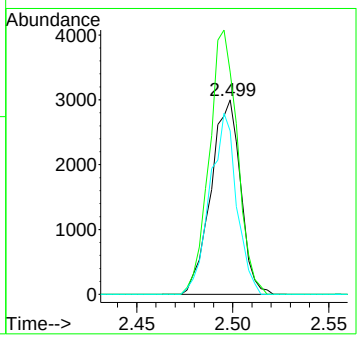


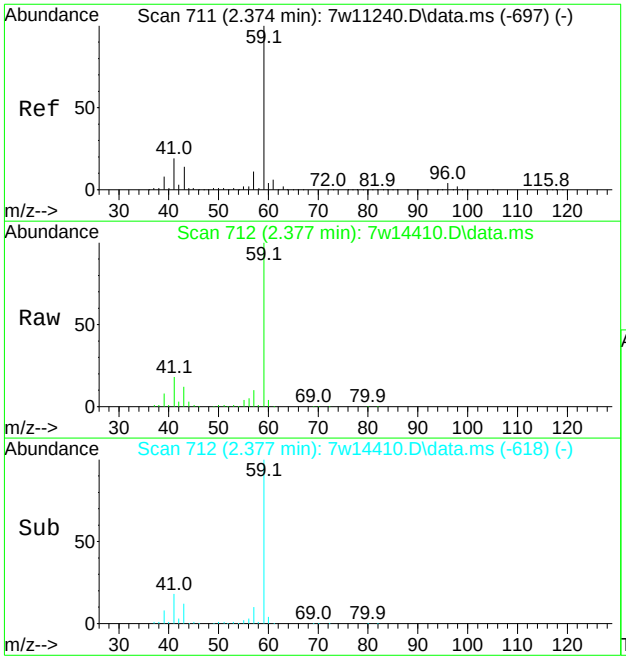


#33
FREON 113
Concen: 0.1967 PPBV
RT: 2.499 min Scan# 750
Delta R.T. 0.009 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:151 Resp: 3217

Ion	Ratio	Lower	Upper
151	100		
101	129.1	89.3	165.9
103	84.3	57.5	106.9

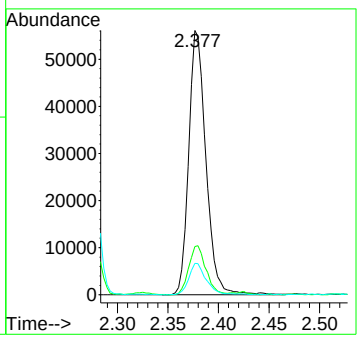


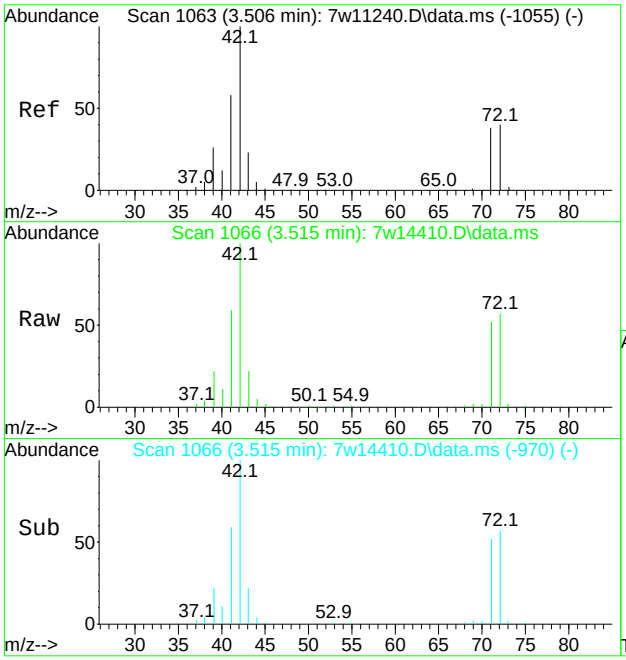


#35
TERTIARY BUTYL ALCOHOL
Concen: 2.4970 PPBV
RT: 2.377 min Scan# 712
Delta R.T. 0.002 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 59 Resp: 66261

Ion	Ratio	Lower	Upper
59	100		
41	18.6	14.3	26.5
43	12.4	9.9	18.5

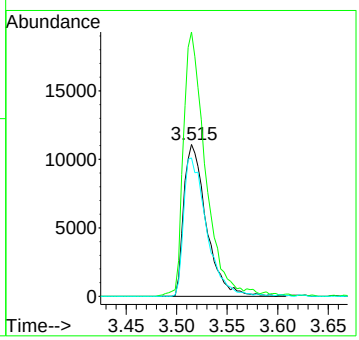


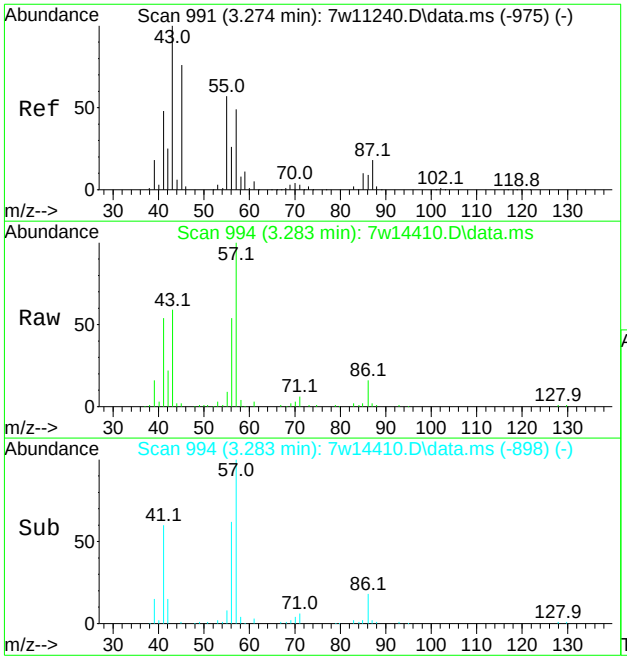


#37
TETRAHYDROFURAN
Concen: 3.4571 PPBV
RT: 3.515 min Scan# 1066
Delta R.T. 0.009 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 72 Resp: 17223

Ion	Ratio	Lower	Upper
72	100		
42	172.1	174.9	324.9#
71	93.1	67.2	124.8

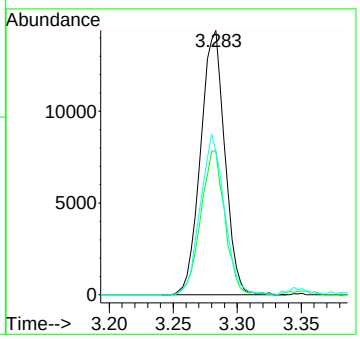


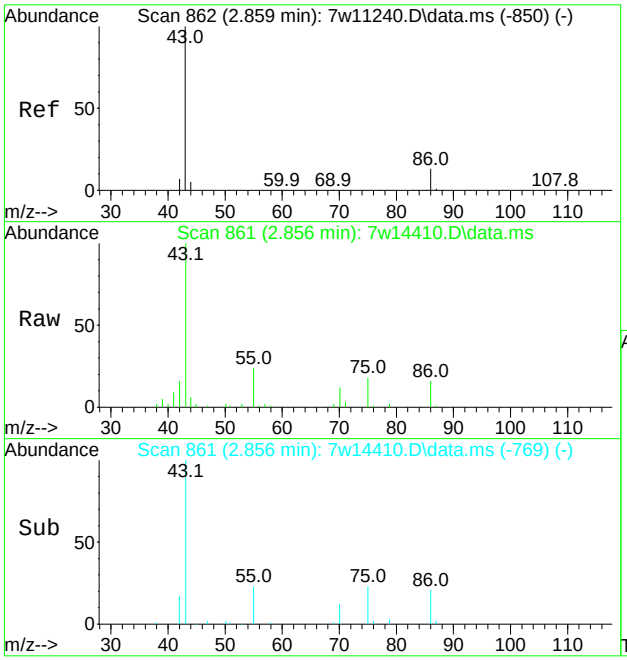


#38
HEXANE
Concen: 0.9248 PPBV
RT: 3.283 min Scan# 994
Delta R.T. 0.009 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 57 Resp: 18971

Ion	Ratio	Lower	Upper
57	100		
56	54.4	37.8	70.2
41	60.4	75.9	140.9#

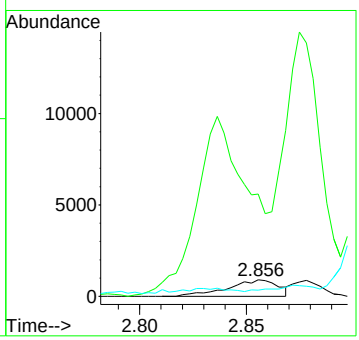


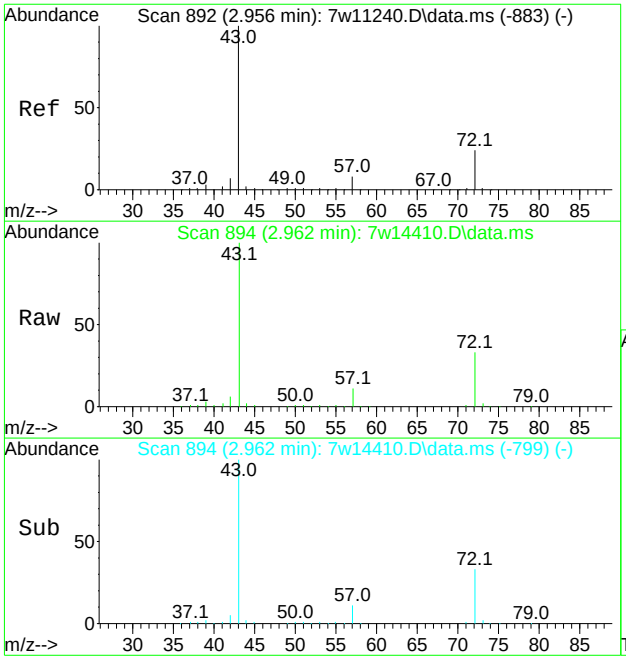


#39
VINYL ACETATE
Concen: 0.4897 PPBV
RT: 2.856 min Scan# 861
Delta R.T. -0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 86 Resp: 1490

Ion	Ratio	Lower	Upper
86	100		
43	1166.3	719.4	1336.0
44	50.6	34.6	64.2

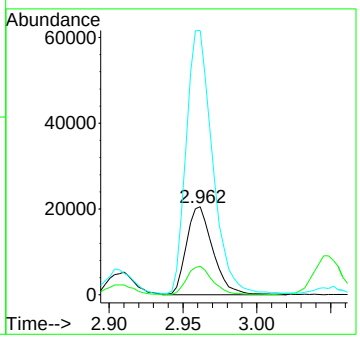


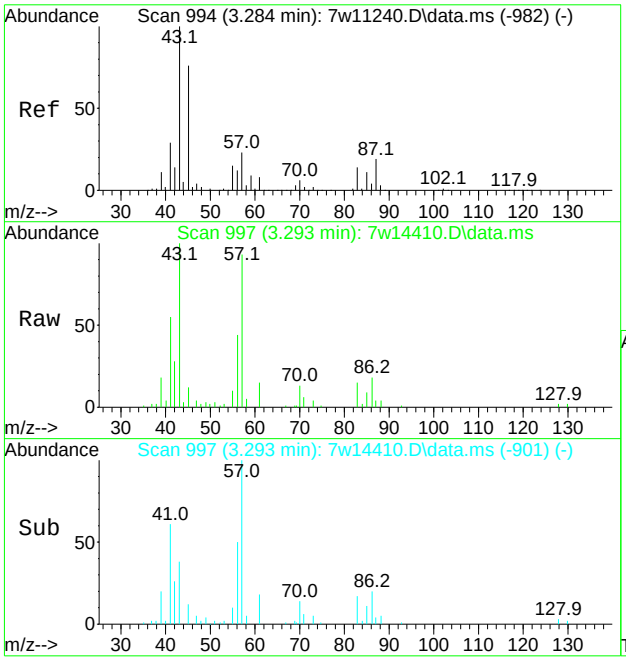


#41
METHYL ETHYL KETONE
Concen: 4.6229 PPBV
RT: 2.962 min Scan# 894
Delta R.T. 0.006 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 72 Resp: 25581

Ion	Ratio	Lower	Upper
72	100		
57	32.0	25.3	46.9
43	300.5	299.6	556.4

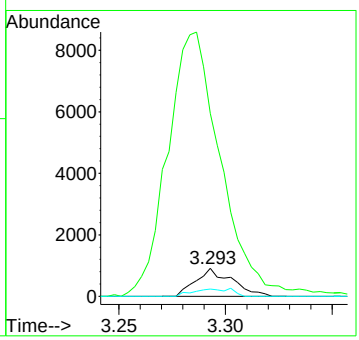


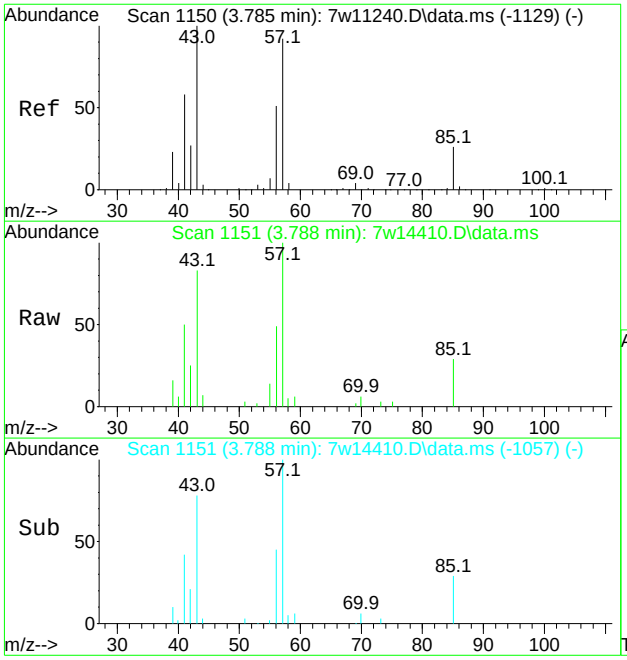


#44
ETHYL ACETATE
Concen: 0.2745 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.009 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 61 Resp: 1079

Ion	Ratio	Lower	Upper
61	100		
43	1388.0	1005.1	1866.5
88	28.7	29.3	54.5#

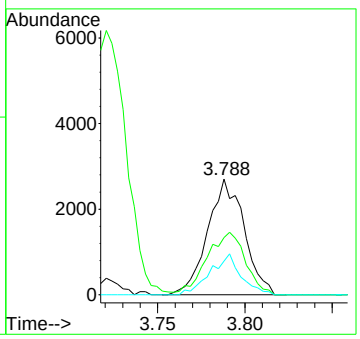


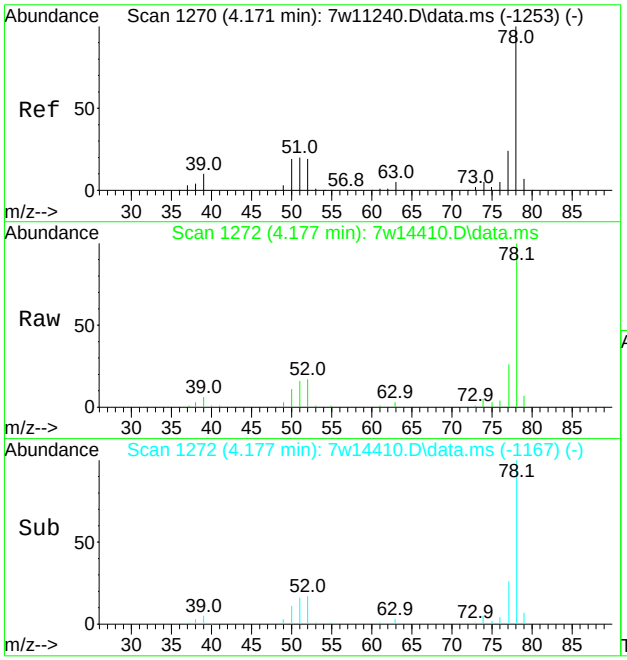


#47
2,4-DIMETHYLPENTANE
Concen: 0.1731 PPBV
RT: 3.788 min Scan# 1151
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 57 Resp: 3925

Ion	Ratio	Lower	Upper
57	100		
56	57.3	38.4	71.2
85	29.9	19.1	35.5

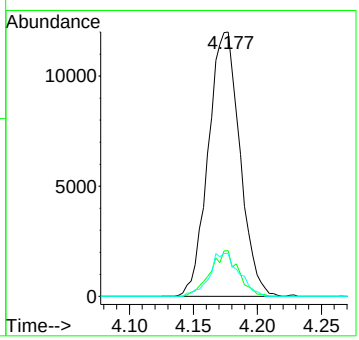


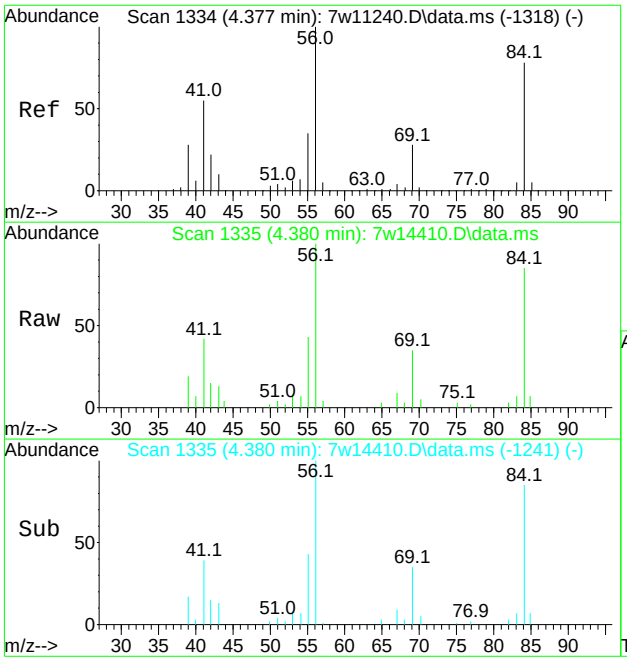


#51
BENZENE
Concen: 0.6192 PPBV
RT: 4.177 min Scan# 1272
Delta R.T. 0.006 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 78 Resp: 20598

Ion	Ratio	Lower	Upper
78	100		
52	15.4	0.0	48.9
51	15.4	0.0	50.2

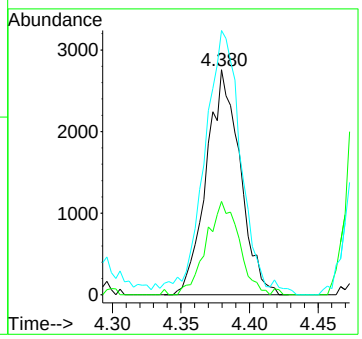


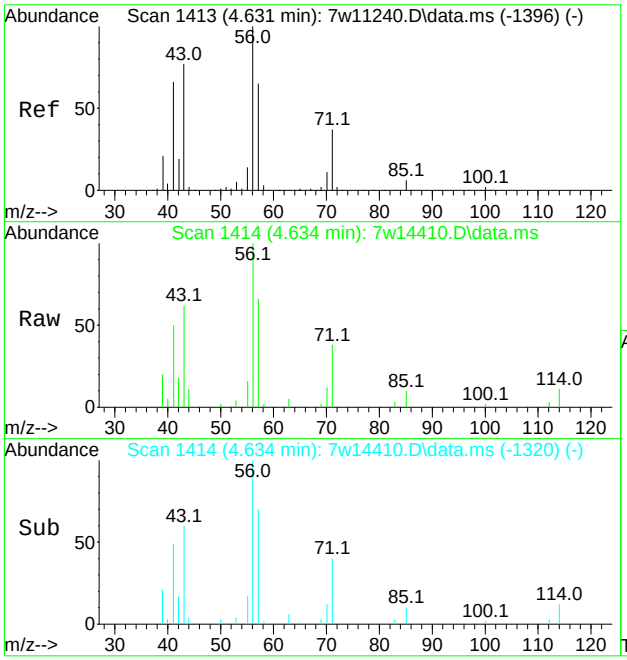


#53
CYCLOHEXANE
Concen: 0.3105 PPBV
RT: 4.380 min Scan# 1335
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 84 Resp: 4700

Ion	Ratio	Lower	Upper
84	100		
69	40.7	24.8	46.0
56	128.5	89.8	166.8

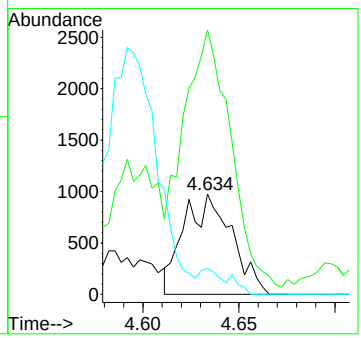


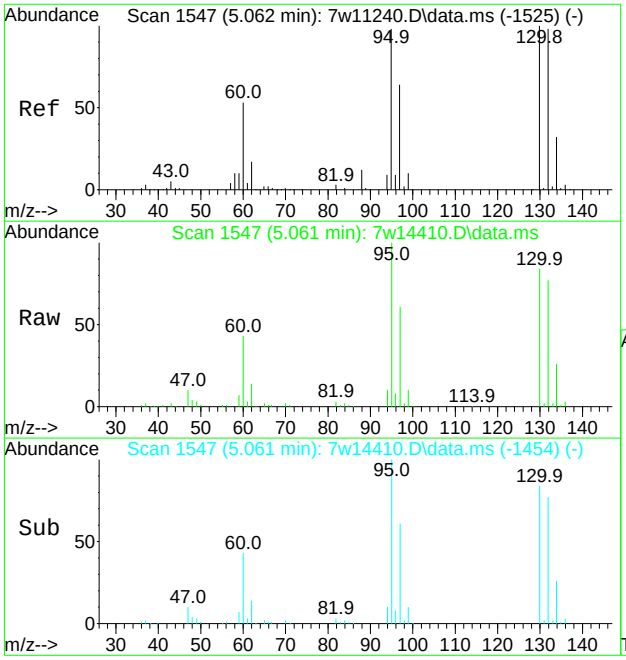


#54
2,3-DIMETHYLPENTANE
Concen: 0.2120 PPBV
RT: 4.634 min Scan# 1414
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 71 Resp: 1685

Ion	Ratio	Lower	Upper
71	100		
56	269.6	199.6	370.8
85	0.0	12.1	22.5#

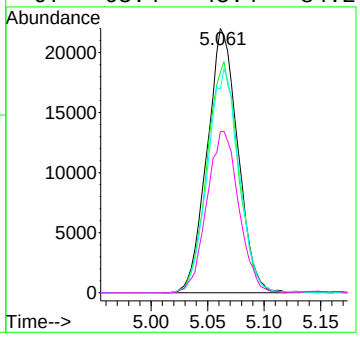


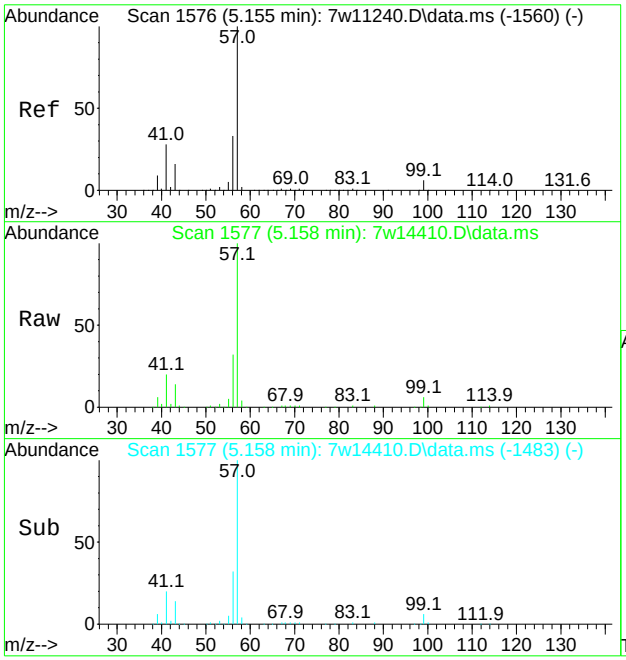


#55
TRICHLOROETHENE
Concen: 2.5527 PPBV
RT: 5.061 min Scan# 1547
Delta R.T. -0.001 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 95 Resp: 41569

Ion	Ratio	Lower	Upper
95	100		
130	89.2	72.8	135.2
132	86.7	71.9	133.5
97	63.4	45.4	84.2

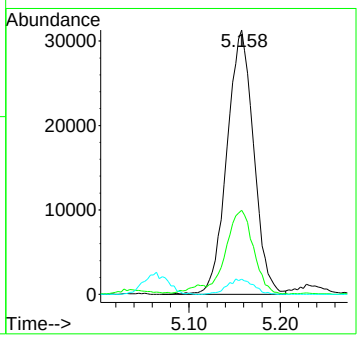


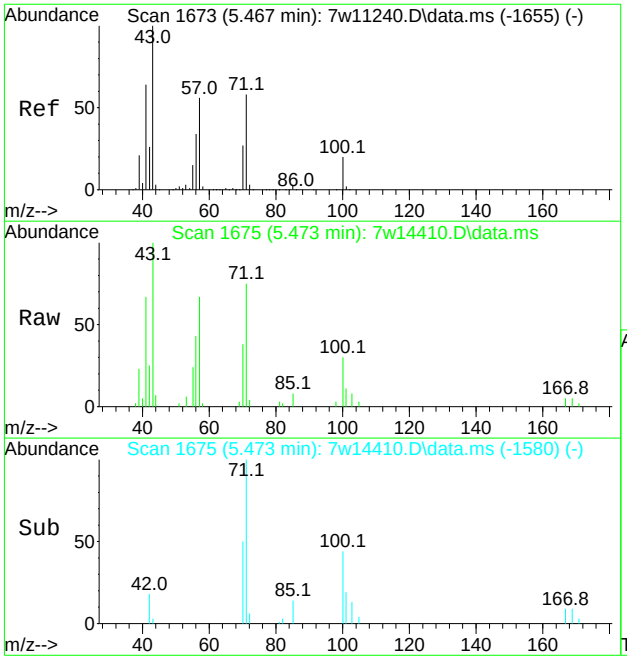


#60
2,2,4-TRIMETHYLPENTANE
Concen: 1.0301 PPBV
RT: 5.158 min Scan# 1577
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 57 Resp: 63456

Ion	Ratio	Lower	Upper
57	100		
56	35.5	22.7	42.1
99	5.7	3.9	7.3

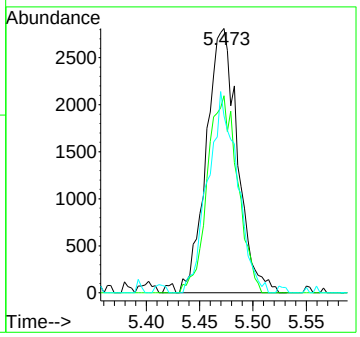


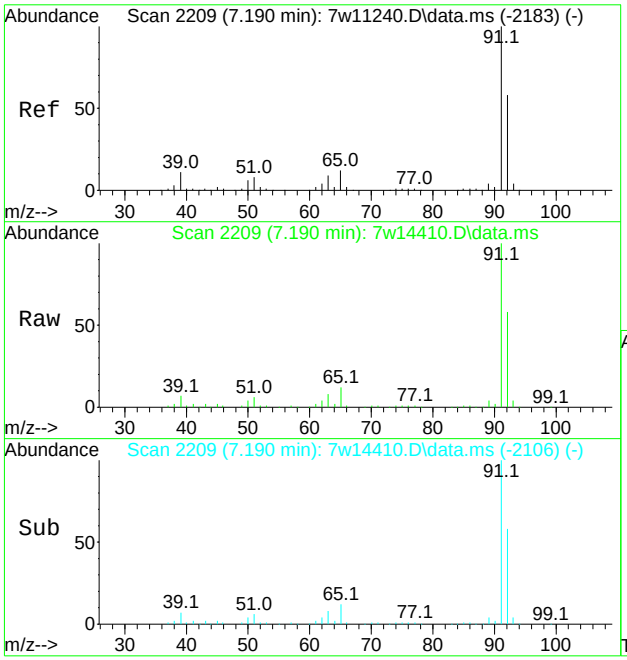


#62
HEPTANE
Concen: 0.2670 PPBV
RT: 5.473 min Scan# 1675
Delta R.T. 0.006 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 43 Resp: 5781

Ion	Ratio	Lower	Upper
43	100		
71	71.8	40.0	74.4
57	71.3	38.9	72.2

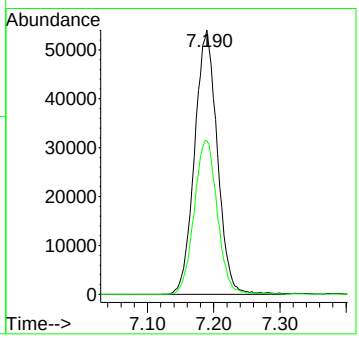


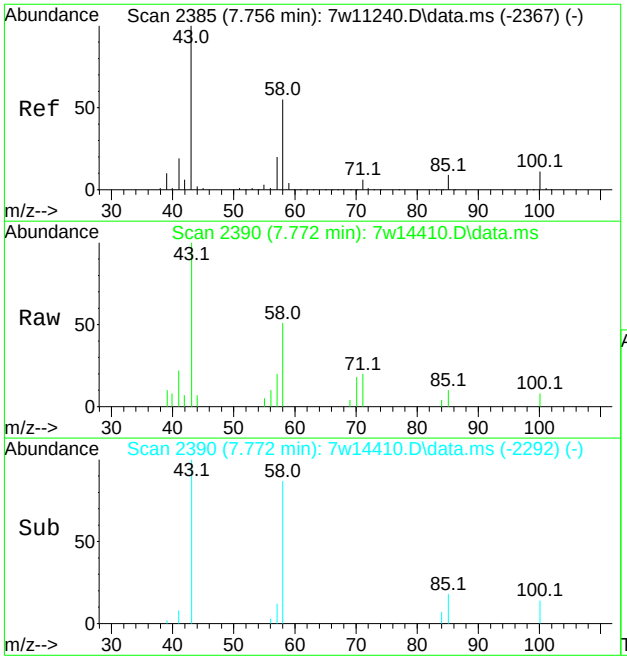


#66
TOLUENE
Concen: 2.8538 PPBV
RT: 7.190 min Scan# 2209
Delta R.T. -0.000 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 91 Resp: 129181

Ion	Ratio	Lower	Upper
91	100		
92	59.4	29.0	89.0

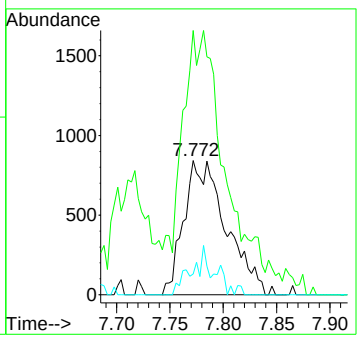


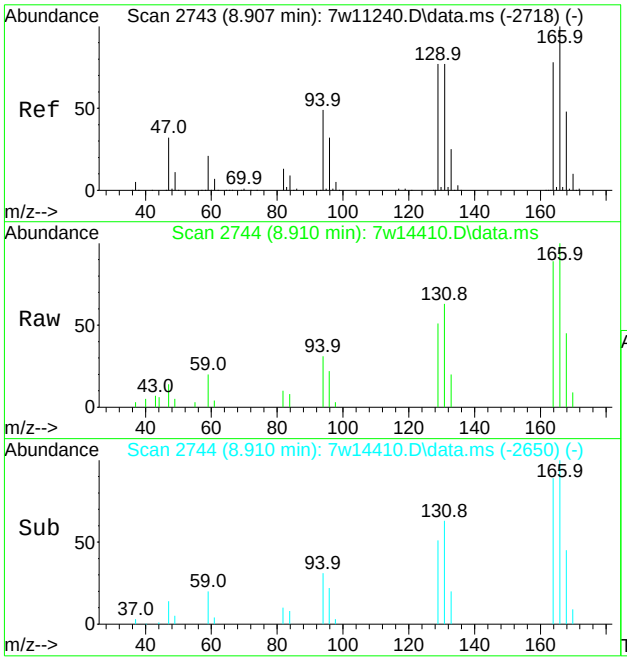


#70
2-HEXANONE
Concen: 0.1151 PPBV
RT: 7.772 min Scan# 2390
Delta R.T. 0.016 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 58 Resp: 2323

Ion	Ratio	Lower	Upper
58	100		
43	214.0	128.2	238.2
100	19.4	15.0	28.0

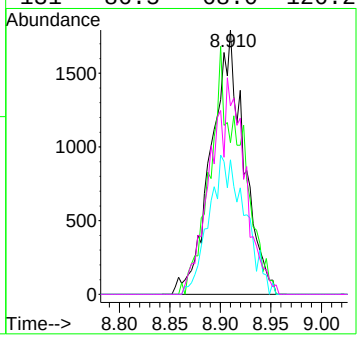


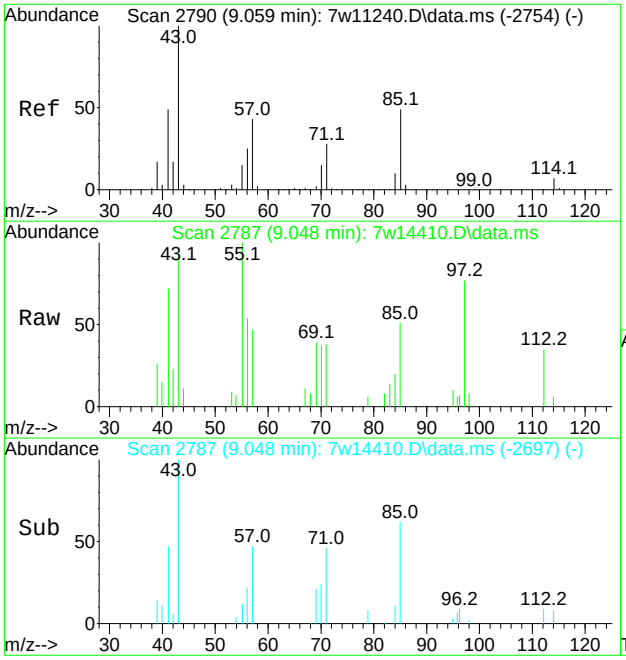


#72
TETRACHLOROETHENE
Concen: 0.2338 PPBV
RT: 8.910 min Scan# 2744
Delta R.T. 0.003 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:164 Resp: 4010

Ion	Ratio	Lower	Upper
164	100		
129	89.4	68.9	127.9
168	58.1	42.3	78.5
131	86.5	68.0	126.2

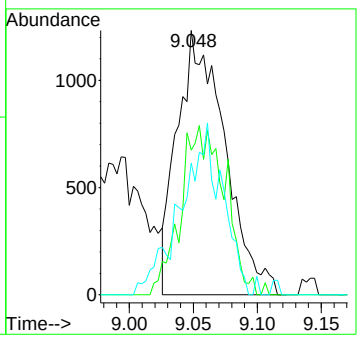


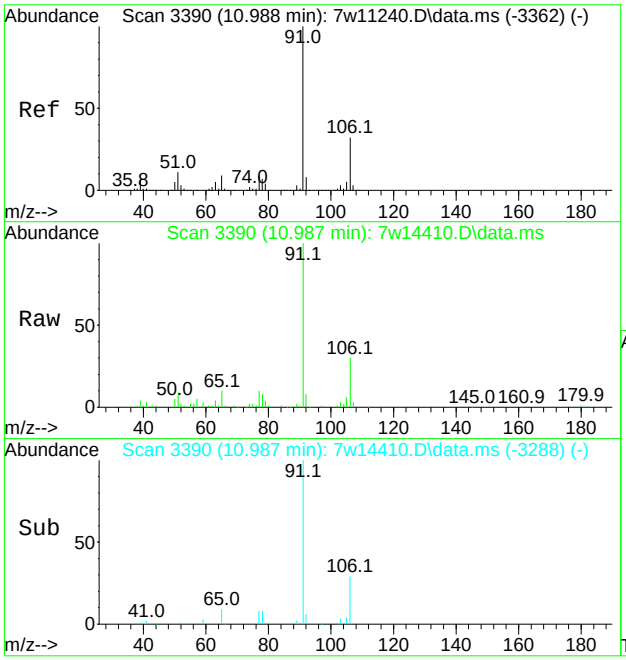


#75
OCTANE
Concen: 0.1034 PPBV
RT: 9.048 min Scan# 2787
Delta R.T. -0.011 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 43 Resp: 3171

Ion	Ratio	Lower	Upper
43	100		
85	60.0	33.9	63.0
57	56.9	30.0	55.8#

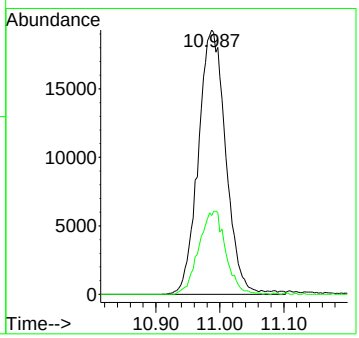


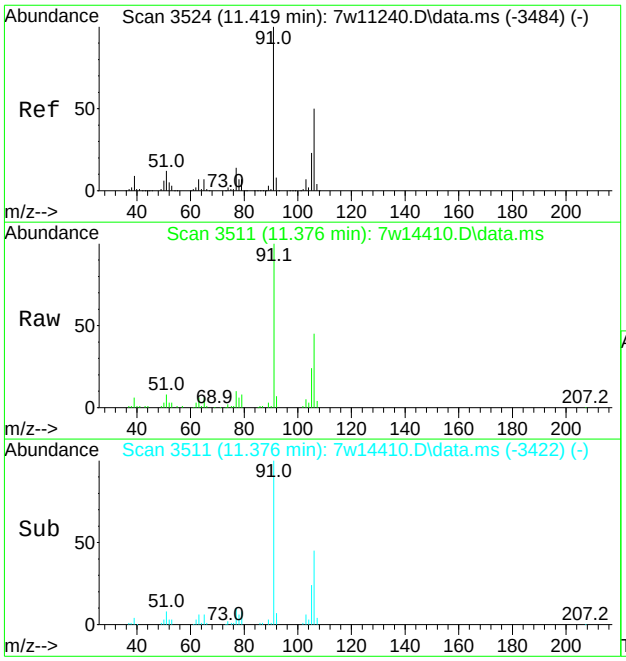


#79
ETHYLBENZENE
Concen: 0.9811 PPBV
RT: 10.987 min Scan# 3390
Delta R.T. -0.001 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 91 Resp: 57739

Ion	Ratio	Lower	Upper
91	100		
106	30.8	1.6	61.6

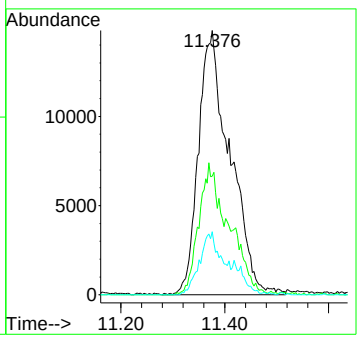


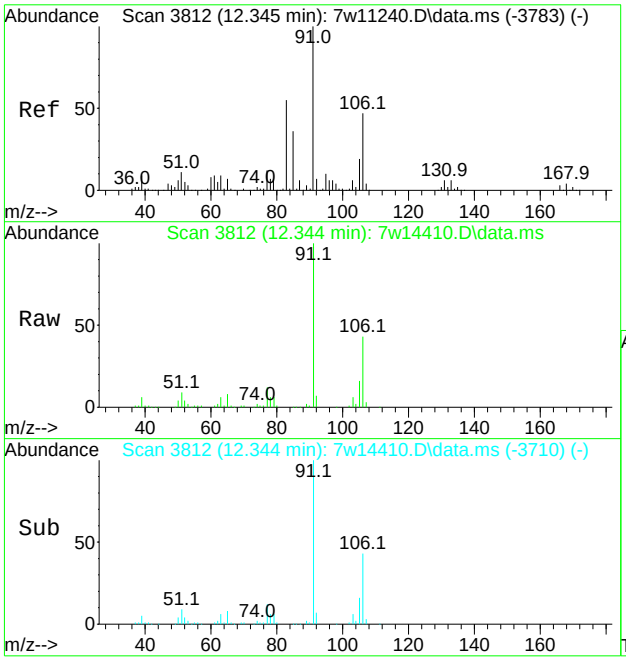


#80
M,P-XYLENE
Concen: 1.3561 PPBV
RT: 11.376 min Scan# 3511
Delta R.T. -0.043 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 91 Resp: 62566

Ion	Ratio	Lower	Upper
91	100		
106	47.5	0.0	55.5
105	21.6	0.0	41.7

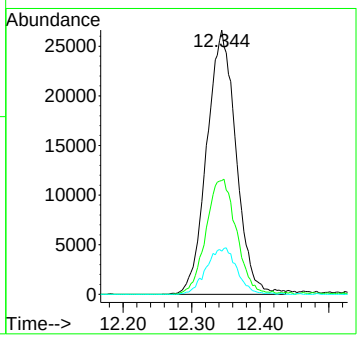


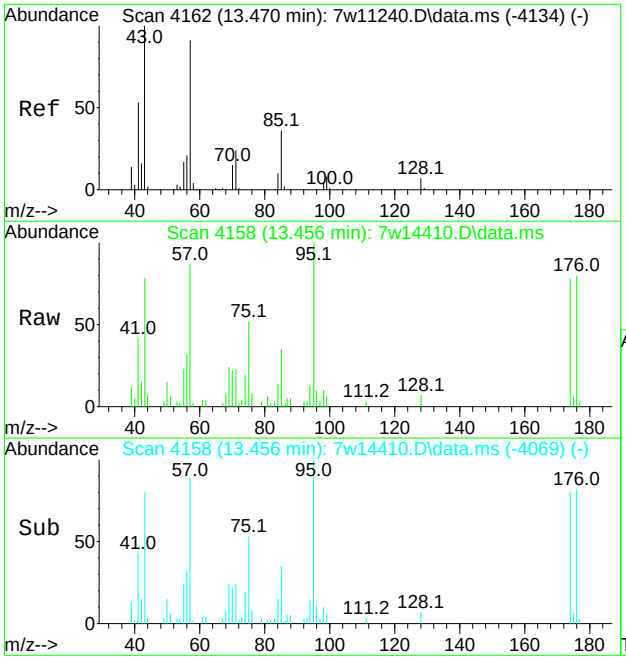


#81
O-XYLENE
Concen: 1.7035 PPBV
RT: 12.344 min Scan# 3812
Delta R.T. -0.001 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 91 Resp: 78930

Ion	Ratio	Lower	Upper
91	100		
106	43.1	32.7	60.7
105	16.3	13.2	24.6

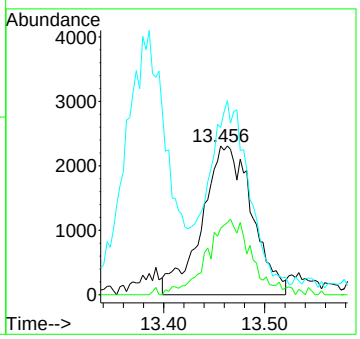


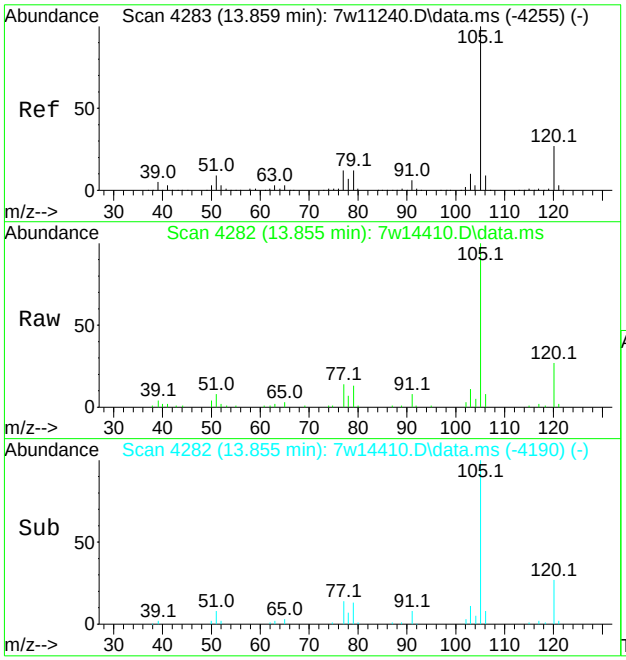


#83
NONANE
Concen: 0.2509 PPBV
RT: 13.456 min Scan# 4158
Delta R.T. -0.014 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion: 43 Resp: 7986

Ion	Ratio	Lower	Upper
43	100		
85	46.0	25.0	46.4
57	111.7	65.7	122.1

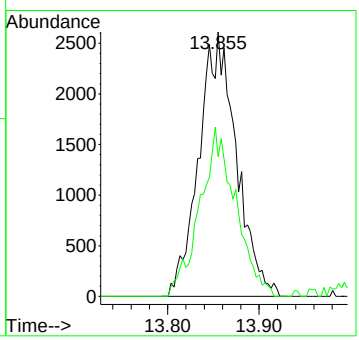


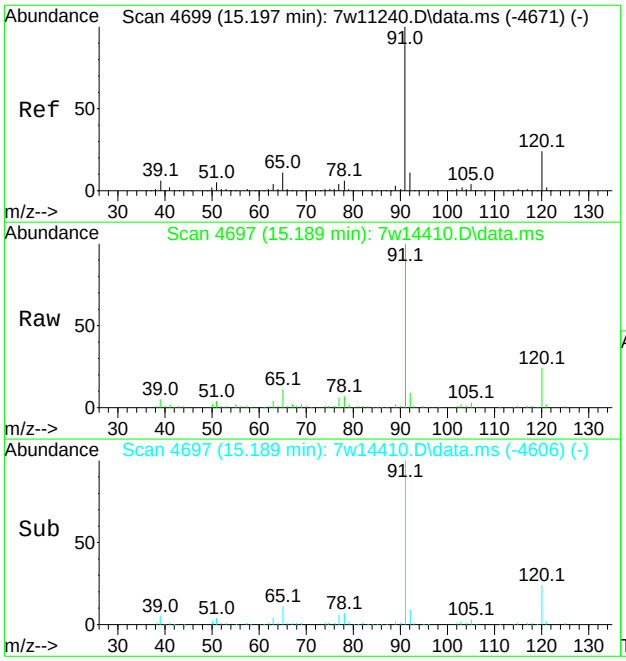


#88
ISOPROPYLBENZENE
Concen: 0.4187 PPBV
RT: 13.855 min Scan# 4282
Delta R.T. -0.004 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:120 Resp: 7411

Ion	Ratio	Lower	Upper
120	100		
77	61.3	39.9	74.1

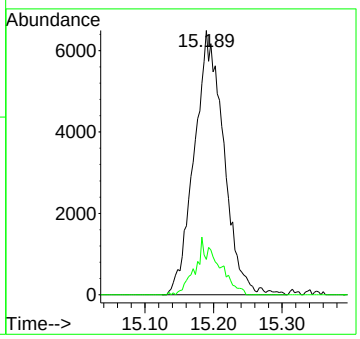


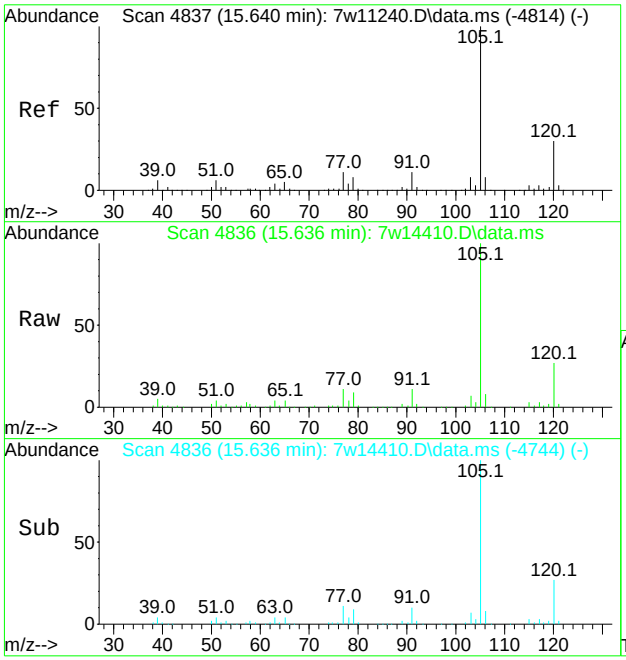


#91
N-PROPYLBENZENE
Concen: 1.0813 PPBV
RT: 15.189 min Scan# 4697
Delta R.T. -0.008 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:120 Resp: 19401

Ion	Ratio	Lower	Upper
120	100		
105	16.9	11.3	20.9

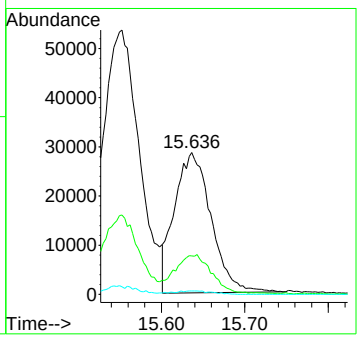


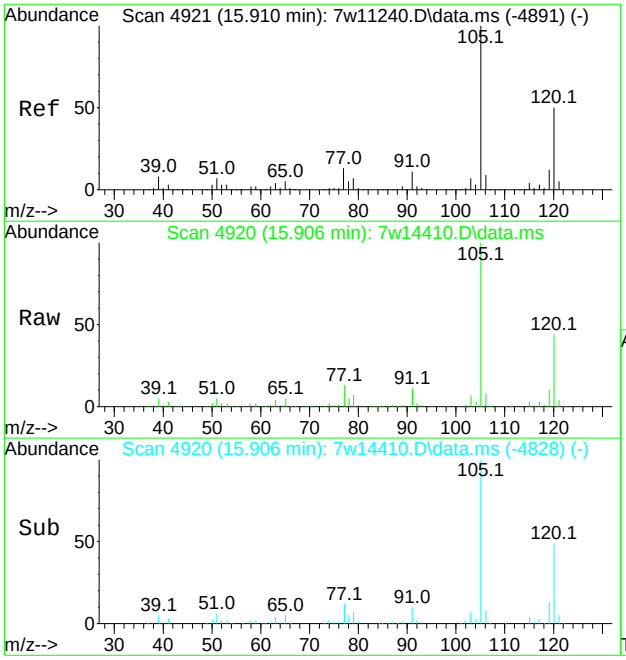


#92
4-ETHYLTOLUENE
Concen: 1.3486 PPBV
RT: 15.636 min Scan# 4836
Delta R.T. -0.004 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:105 Resp: 86782

Ion	Ratio	Lower	Upper
105	100		
120	30.0	21.1	39.1
119	2.4	1.6	3.0

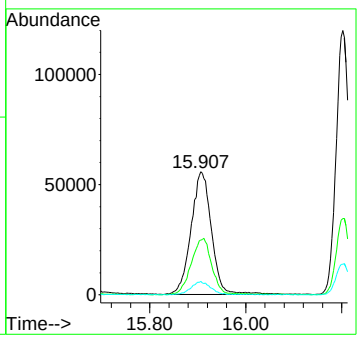


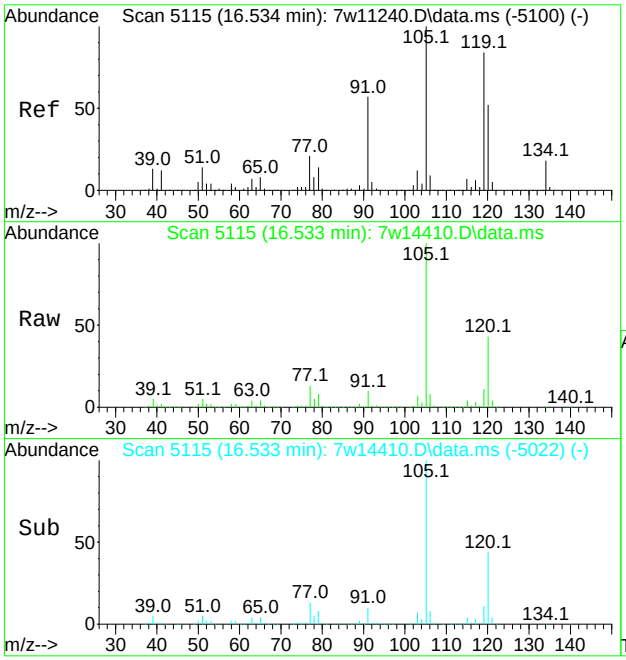


#93
1,3,5-TRIMETHYLBENZENE
Concen: 3.0353 PPBV
RT: 15.906 min Scan# 4920
Delta R.T. -0.004 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:105 Resp: 164380

Ion	Ratio	Lower	Upper
105	100		
120	46.7	34.9	64.7
91	10.6	7.5	13.9

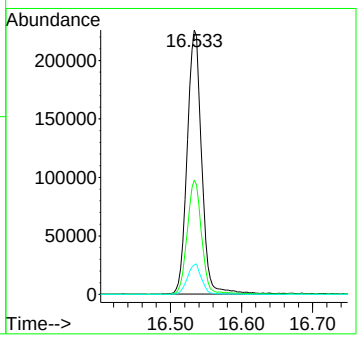


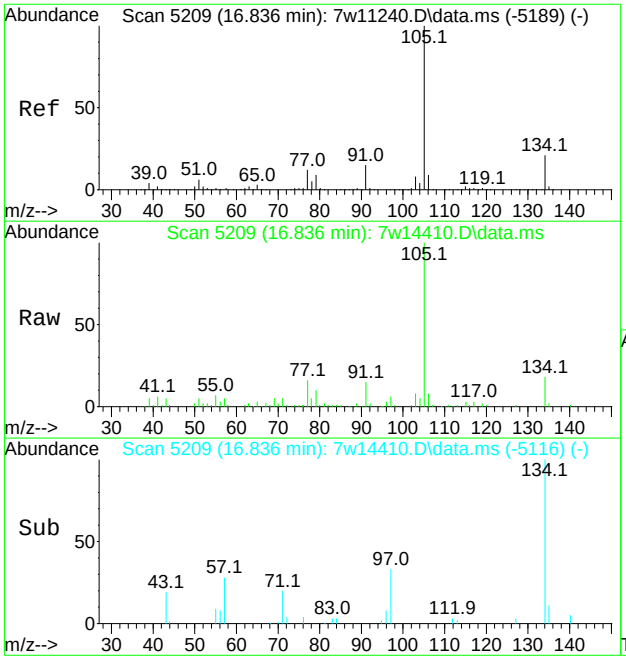


#96
1,2,4-TRIMETHYLBENZENE
Concen: 5.8724 PPBV
RT: 16.533 min Scan# 5115
Delta R.T. -0.001 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:105 Resp: 320791

Ion	Ratio	Lower	Upper
105	100		
120	43.6	38.8	72.0
119	11.4	74.3	137.9#

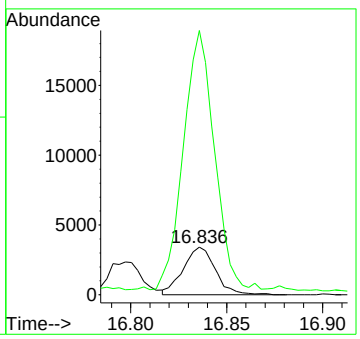


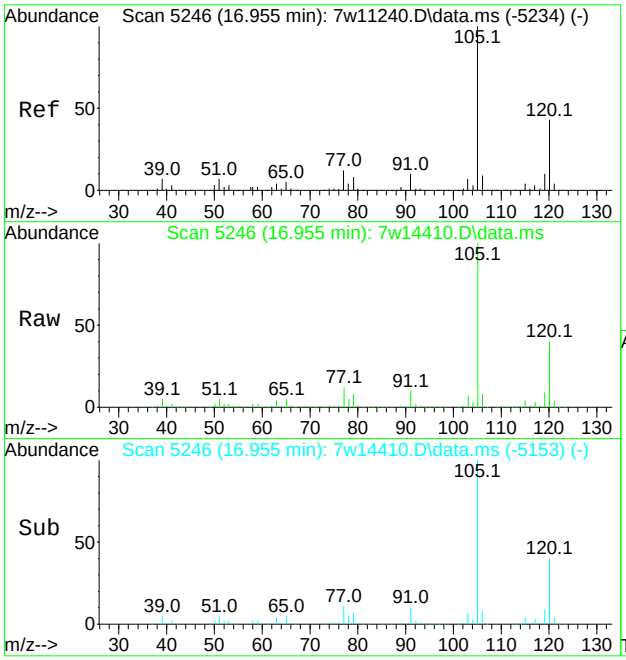


#101
SEC-BUTYLBENZENE
Concen: 0.2463 PPBV
RT: 16.836 min Scan# 5209
Delta R.T. -0.000 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:134 Resp: 3979

Ion	Ratio	Lower	Upper
134	100		
105	538.9	335.1	622.3

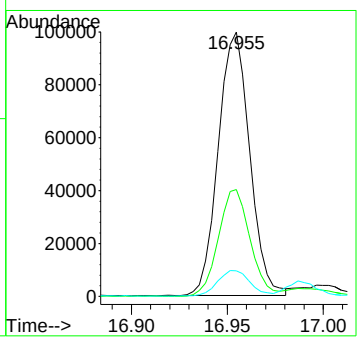


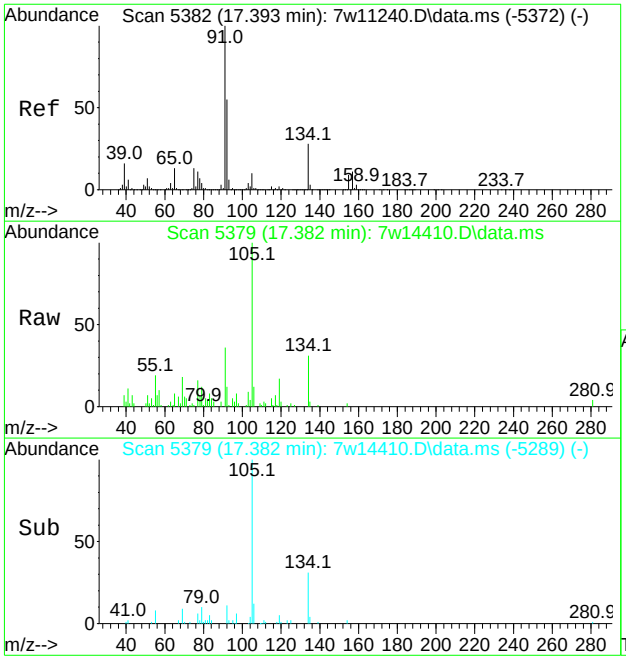


#102
1,2,3-TRIMETHYLBENZENE
Concen: 2.0780 PPBV
RT: 16.955 min Scan# 5246
Delta R.T. -0.000 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:105 Resp: 113703

Ion	Ratio	Lower	Upper
105	100		
120	41.1	30.2	56.2
91	10.1	7.1	13.3

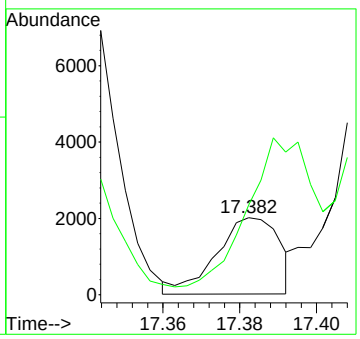


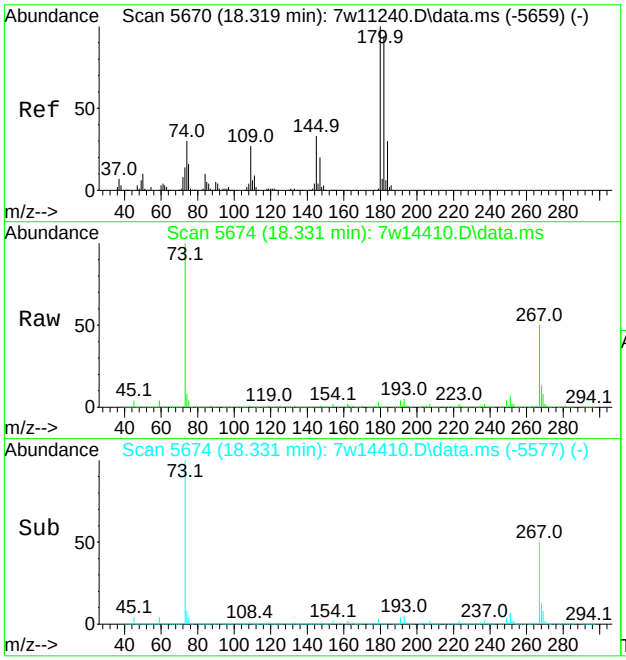


#104
N-BUTYLBENZENE
Concen: 0.1302 PPBV
RT: 17.382 min Scan# 5379
Delta R.T. -0.011 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:134 Resp: 2278

Ion	Ratio	Lower	Upper
134	100		
91	227.6	253.1	470.0#

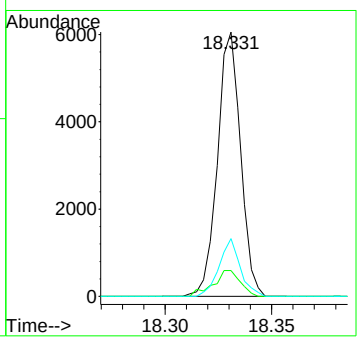




#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1518 PPBV
RT: 18.331 min Scan# 5674
Delta R.T. 0.012 min
Lab File: 7w14410.D
Acq: 14 Apr 2025 2:00 am

Tgt Ion:180 Resp: 4565

Ion	Ratio	Lower	Upper
180	100		
182	11.5	66.2	123.0#
145	20.0	23.1	42.9#



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14414.D
Acq On : 14 Apr 2025 4:58 am
Operator : benk
Sample : je8598-4 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 15 06:00:40 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

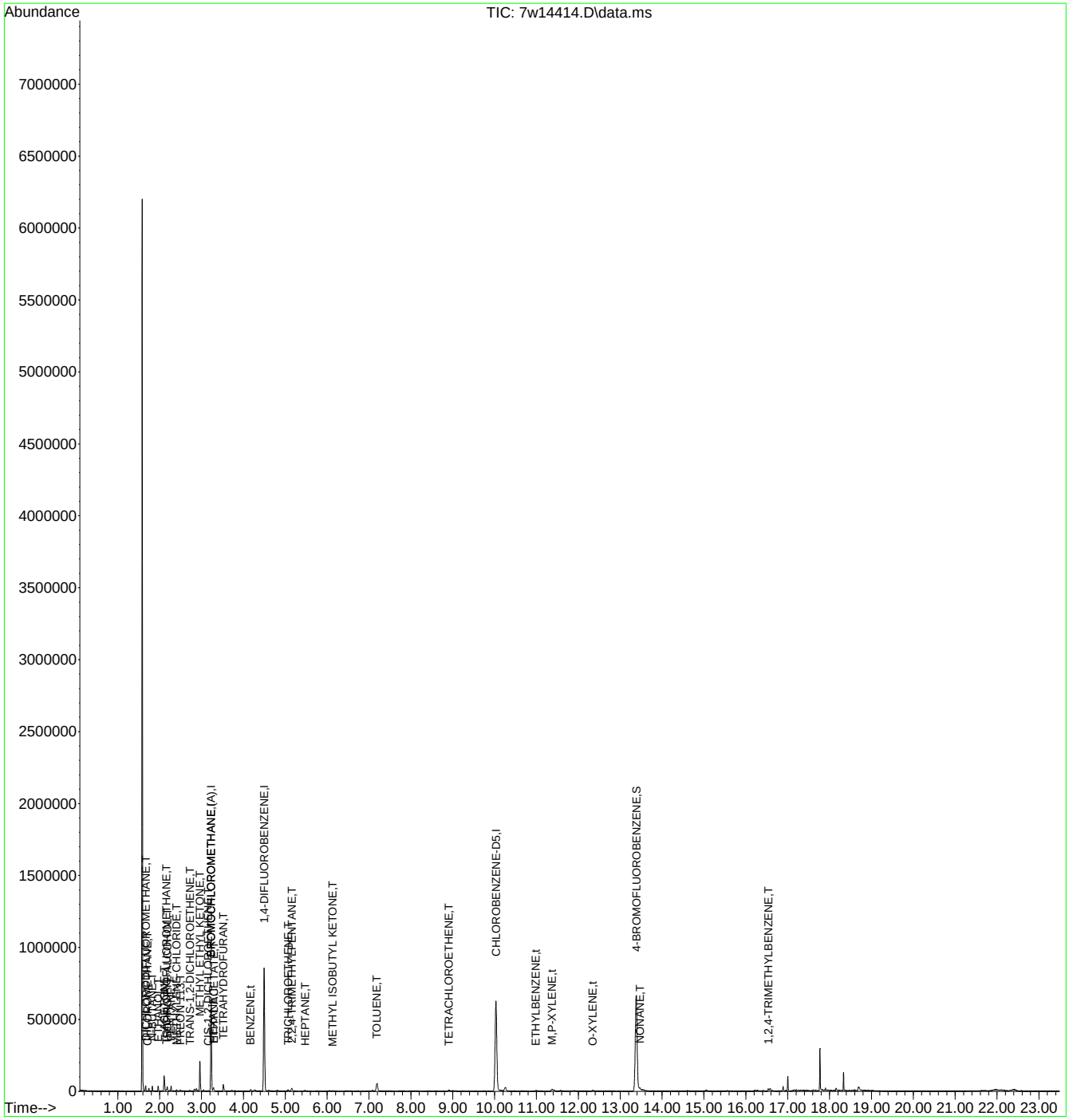
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	125118	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	647649	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	601135	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	125118	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	463715	10.63	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.666	85	13722	0.4399	PPBV #	92
10) CHLOROMETHANE	1.708	52	730	0.2254	PPBV	81
13) N-BUTANE	1.824	43	13992	0.8623	PPBV #	92
21) TRICHLOROFLUOROMETHANE	2.158	101	6734	0.2451	PPBV	95
22) ISOPROPYL ALCOHOL	2.180	45	23195	1.0007	PPBV #	95
23) ACETONE	2.107	58	26426	3.6352	PPBV	64
24) PENTANE	2.274	42	8072	0.7250	PPBV	97
28) ETHANOL	1.965	45	20459	3.2243	PPBV	98
31) METHYLENE CHLORIDE	2.399	84	2324	0.2347	PPBV #	75
33) FREON 113	2.496	151	1624	0.0989	PPBV	93
34) TRANS-1,2-DICHLOROETHENE	2.721	96	1948	0.1725	PPBV	90
37) TETRAHYDROFURAN	3.518	72	12506	2.4989	PPBV	70
38) HEXANE	3.277	57	8004	0.3884	PPBV #	70
41) METHYL ETHYL KETONE	2.962	72	52860	9.5094	PPBV #	50
42) CIS-1,2-DICHLOROETHENE	3.152	96	1370	0.1178	PPBV	94
44) ETHYL ACETATE	3.290	61	1198	0.3034	PPBV #	12
51) BENZENE	4.168	78	10329	0.3091	PPBV	89
55) TRICHLOROETHENE	5.065	95	3389	0.2059	PPBV	92
60) 2,2,4-TRIMETHYLPENTANE	5.155	57	21921	0.3520	PPBV	96
62) HEPTANE	5.473	43	2541	0.1161	PPBV	84
64) METHYL ISOBUTYL KETONE	6.129	58	1306	0.1000	PPBV	81
66) TOLUENE	7.187	91	55745	1.2181	PPBV	98
72) TETRACHLOROETHENE	8.907	164	2920	0.1684	PPBV	95
79) ETHYLBENZENE	10.984	91	8422	0.1422	PPBV	96
80) M,P-XYLENE	11.367	91	22546	0.4858	PPBV	66
81) O-XYLENE	12.341	91	8070	0.1731	PPBV	98
83) NONANE	13.469	43	4367	0.1364	PPBV #	22
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	9445	0.1719	PPBV #	34

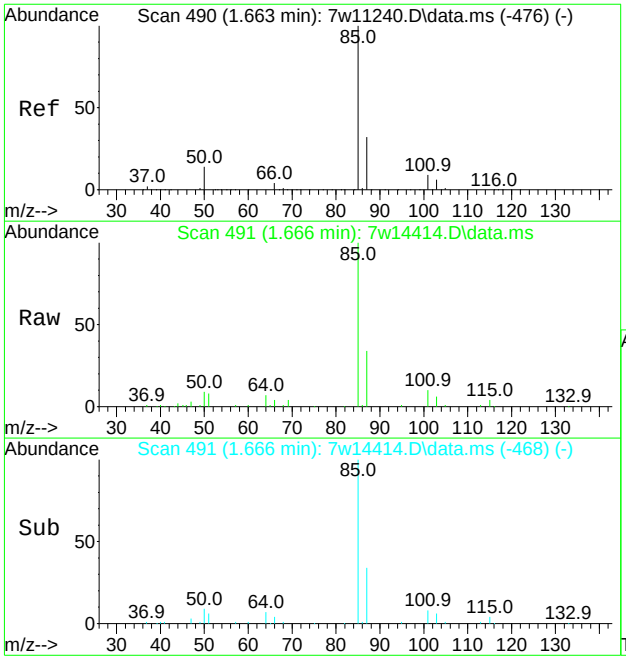
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14414.D
Acq On : 14 Apr 2025 4:58 am
Operator : benk
Sample : je8598-4 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 15 06:00:40 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

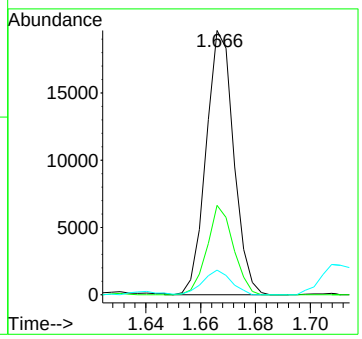


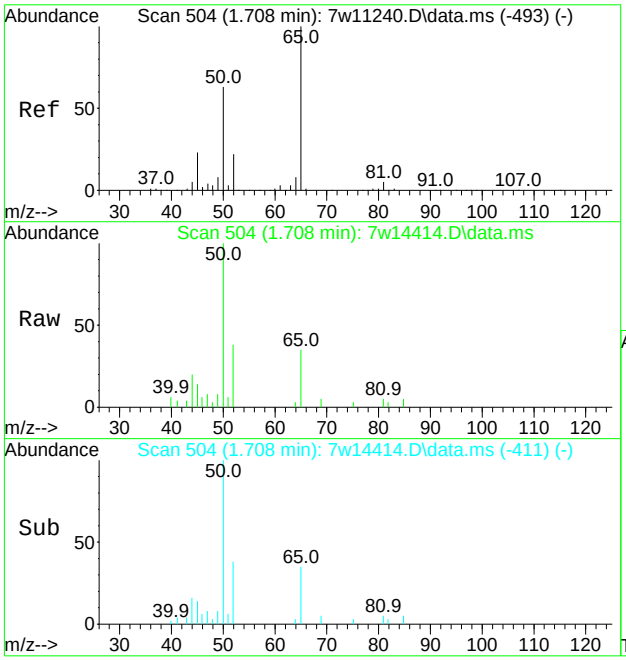


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4399 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 85 Resp: 13722

Ion	Ratio	Lower	Upper
85	100		
87	32.3	22.5	41.7
50	10.9	13.8	25.6#

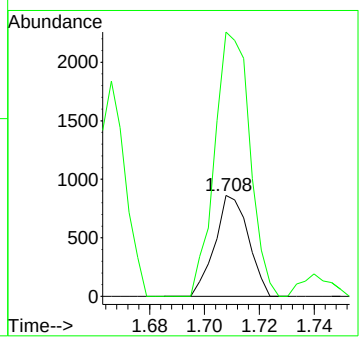


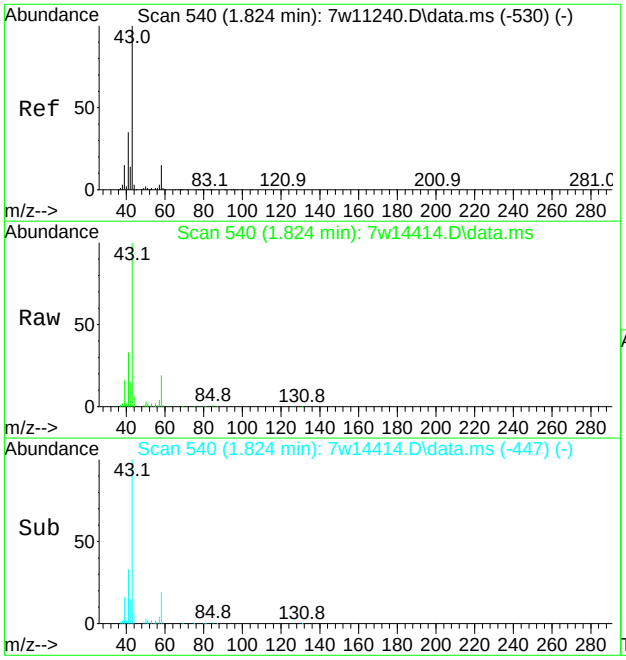


#10
CHLOROMETHANE
Concen: 0.2254 PPBV
RT: 1.708 min Scan# 504
Delta R.T. -0.000 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 52 Resp: 730

Ion	Ratio	Lower	Upper
52	100		
50	275.3	220.1	408.8

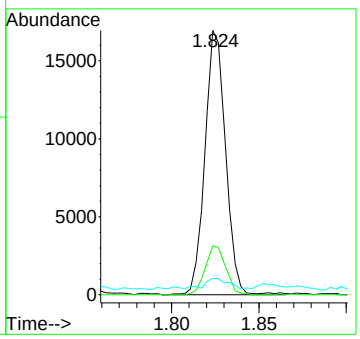


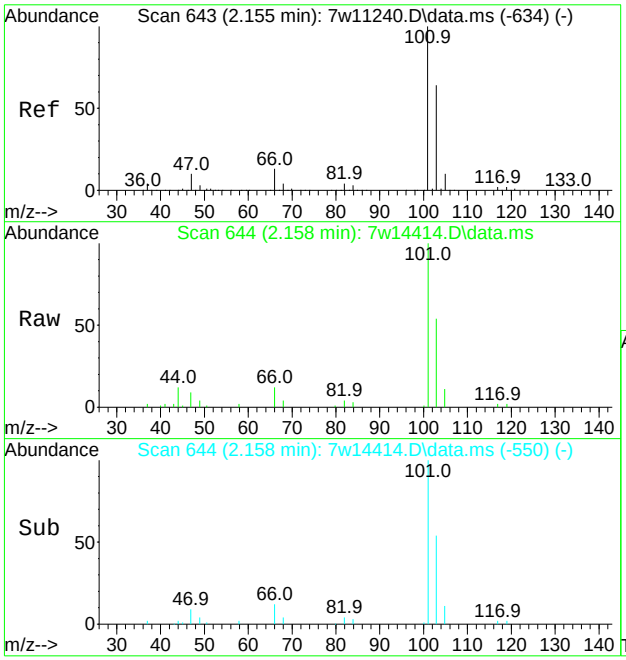


#13
N-BUTANE
Concen: 0.8623 PPBV
RT: 1.824 min Scan# 540
Delta R.T. -0.000 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 43 Resp: 13992

Ion	Ratio	Lower	Upper
43	100		
58	18.4	10.4	19.2
44	6.2	3.0	5.6#

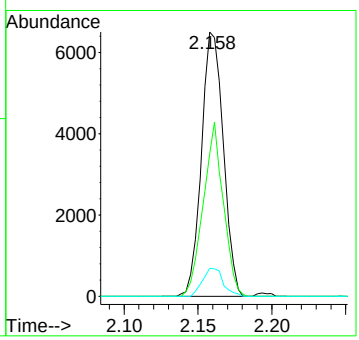


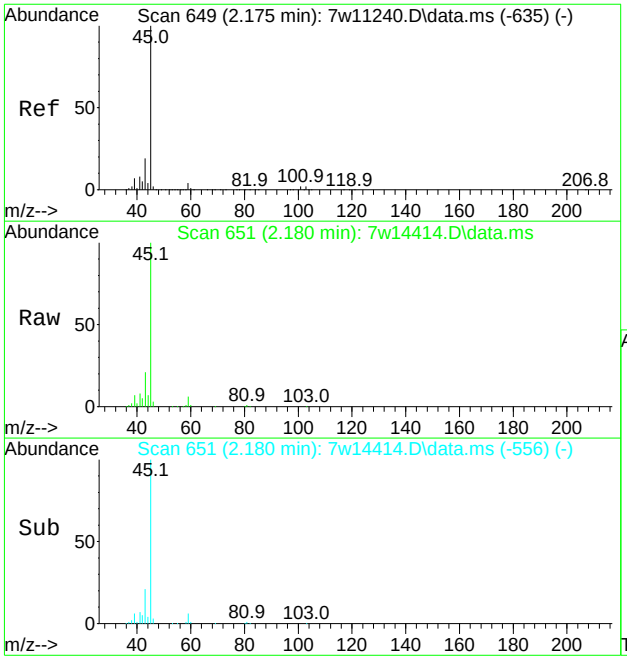


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2451 PPBV
RT: 2.158 min Scan# 644
Delta R.T. 0.003 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion:101 Resp: 6734

Ion	Ratio	Lower	Upper
101	100		
103	59.8	44.9	83.5
105	9.9	7.3	13.5

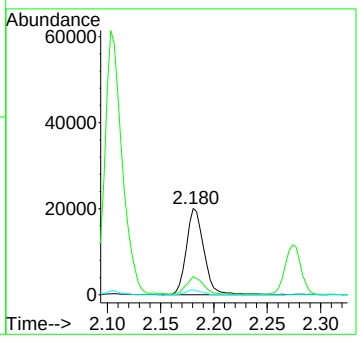


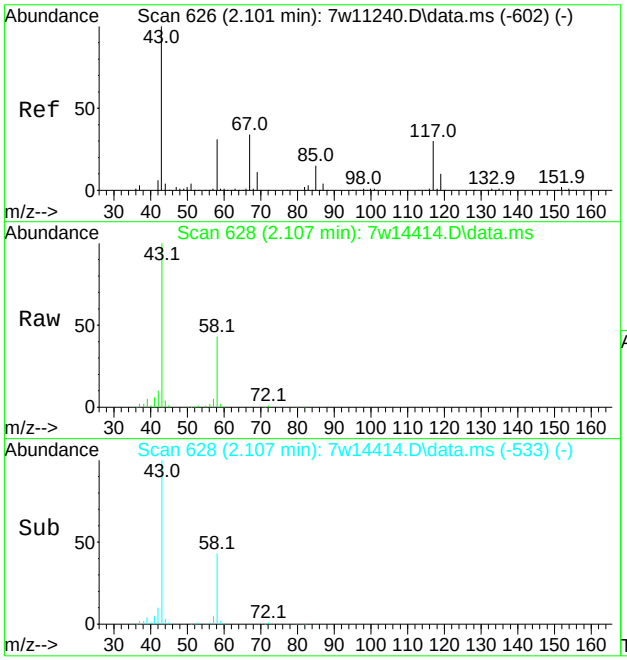


#22
ISOPROPYL ALCOHOL
Concen: 1.0007 PPBV
RT: 2.180 min Scan# 651
Delta R.T. 0.005 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 45 Resp: 23195

Ion	Ratio	Lower	Upper
45	100		
43	22.2	13.9	25.9
59	5.4	2.8	5.2#

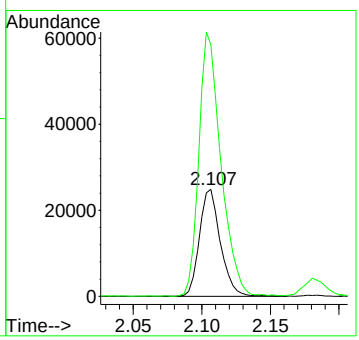


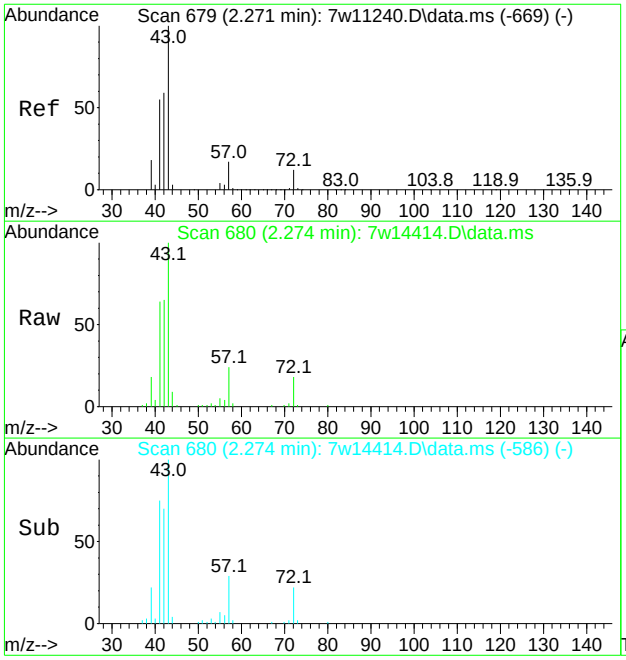


#23
ACETONE
Concen: 3.6352 PPBV
RT: 2.107 min Scan# 628
Delta R.T. 0.006 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 58 Resp: 26426

Ion	Ratio	Lower	Upper
58	100		
43	259.2	234.4	435.2

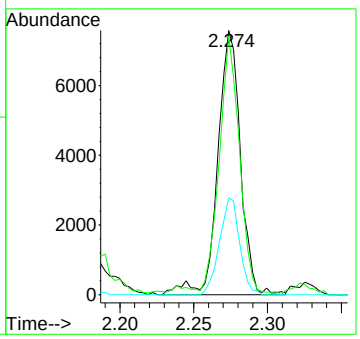


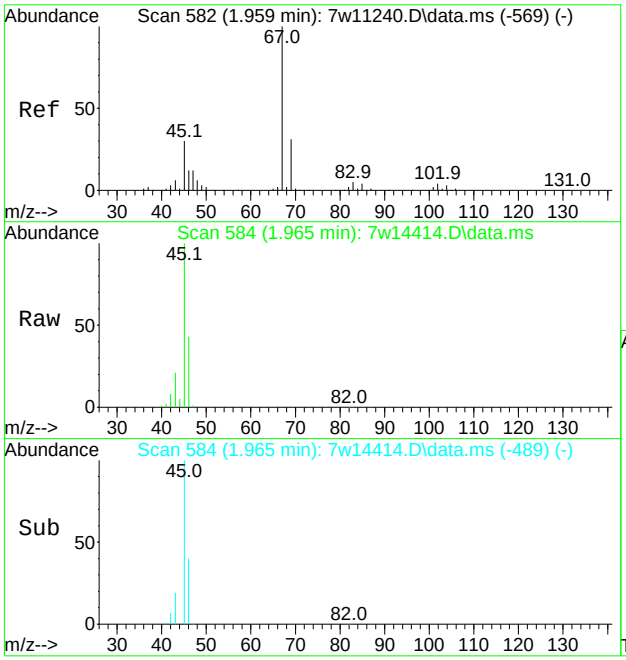


#24
PENTANE
Concen: 0.7250 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 42 Resp: 8072

Ion	Ratio	Lower	Upper
42	100		
41	91.3	64.8	120.3
57	32.5	19.7	36.7

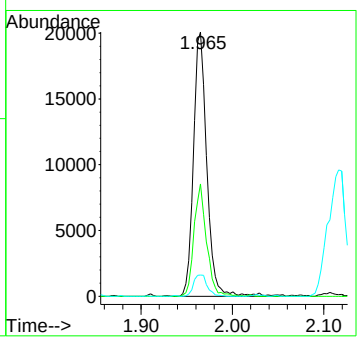


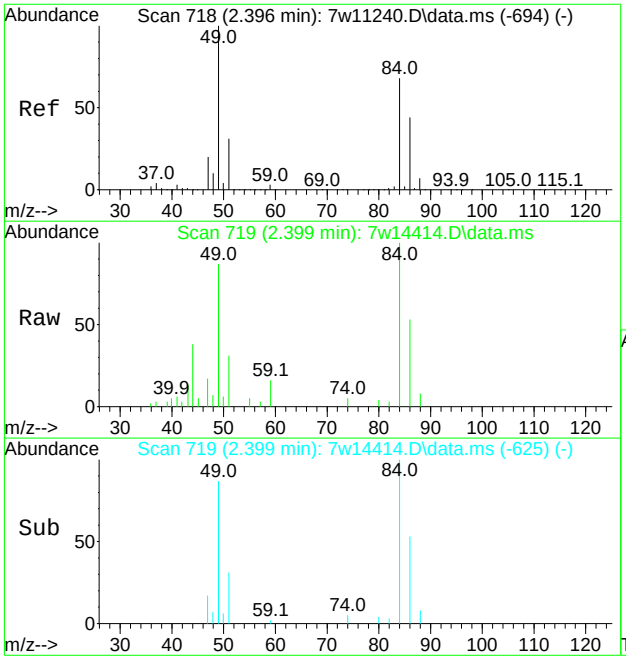


#28
ETHANOL
Concen: 3.2243 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 45 Resp: 20459

Ion	Ratio	Lower	Upper
45	100		
46	39.8	28.6	53.0
42	8.5	6.3	11.7

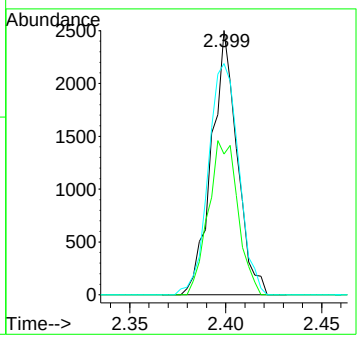


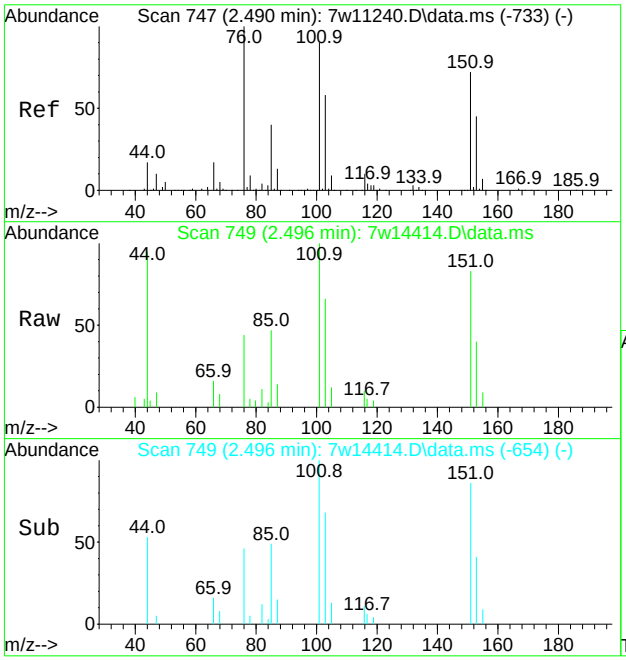


#31
METHYLENE CHLORIDE
Concen: 0.2347 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 84 Resp: 2324

Ion	Ratio	Lower	Upper
84	100		
86	66.7	46.0	85.4
49	103.7	103.9	192.9#

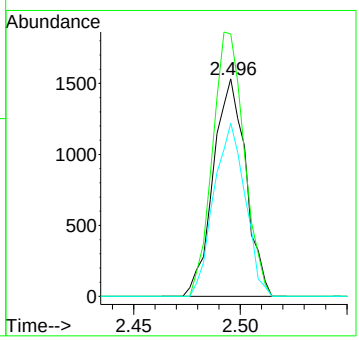


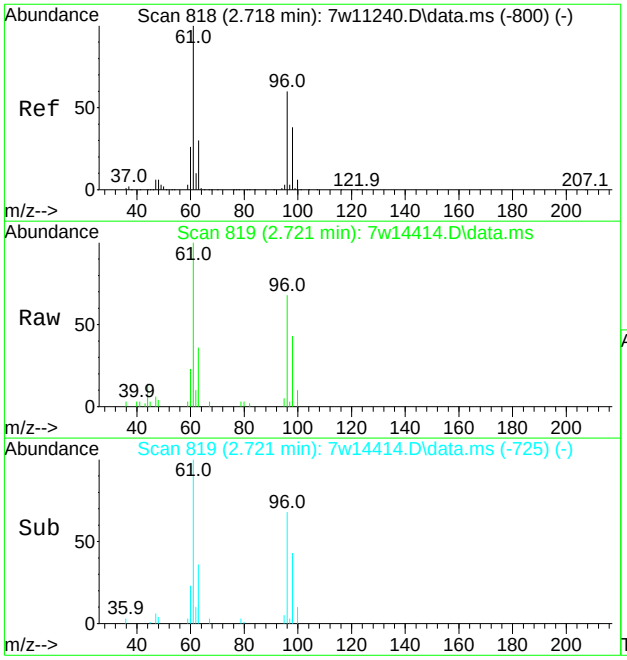


#33
FREON 113
Concen: 0.0989 PPBV
RT: 2.496 min Scan# 749
Delta R.T. 0.006 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion:151 Resp: 1624

Ion	Ratio	Lower	Upper
151	100		
101	118.2	89.3	165.9
103	76.6	57.5	106.9

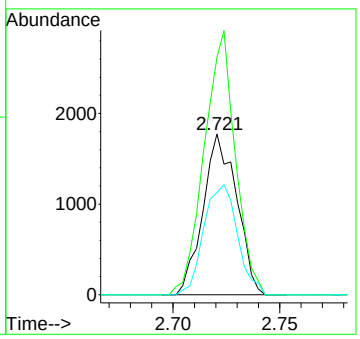


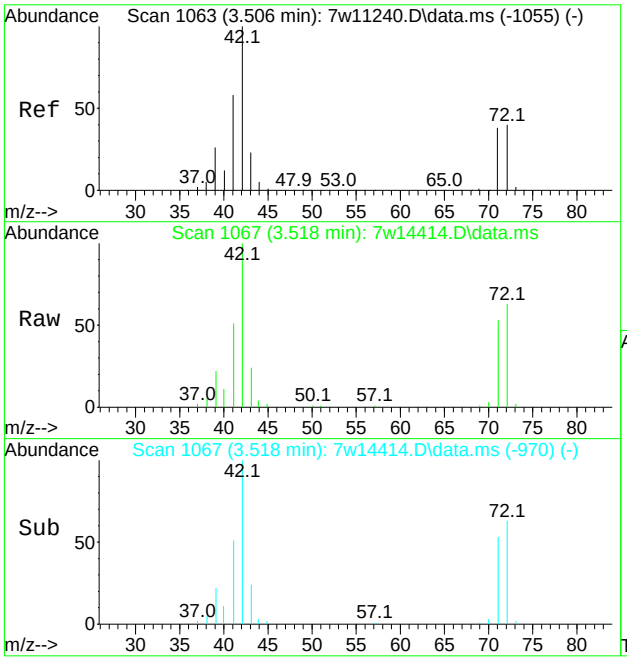


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.1725 PPBV
RT: 2.721 min Scan# 819
Delta R.T. 0.003 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 96 Resp: 1948

Ion	Ratio	Lower	Upper
96	100		
61	151.7	116.2	215.8
98	68.4	44.2	82.2

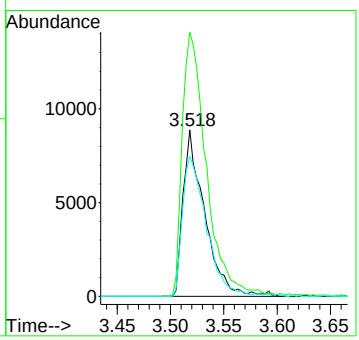


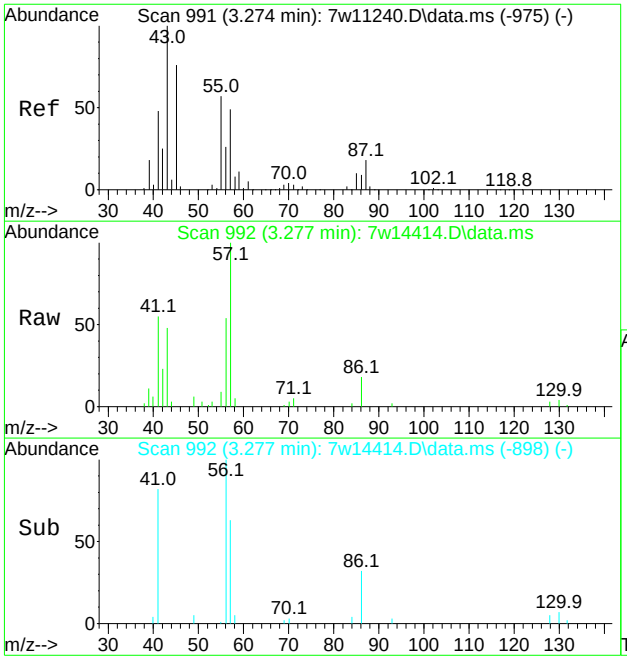


#37
TETRAHYDROFURAN
Concen: 2.4989 PPBV
RT: 3.518 min Scan# 1067
Delta R.T. 0.012 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 72 Resp: 12506

Ion	Ratio	Lower	Upper
72	100		
42	178.4	174.9	324.9
71	93.3	67.2	124.8

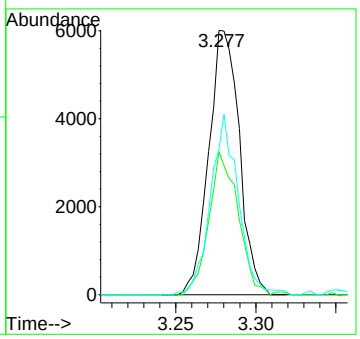


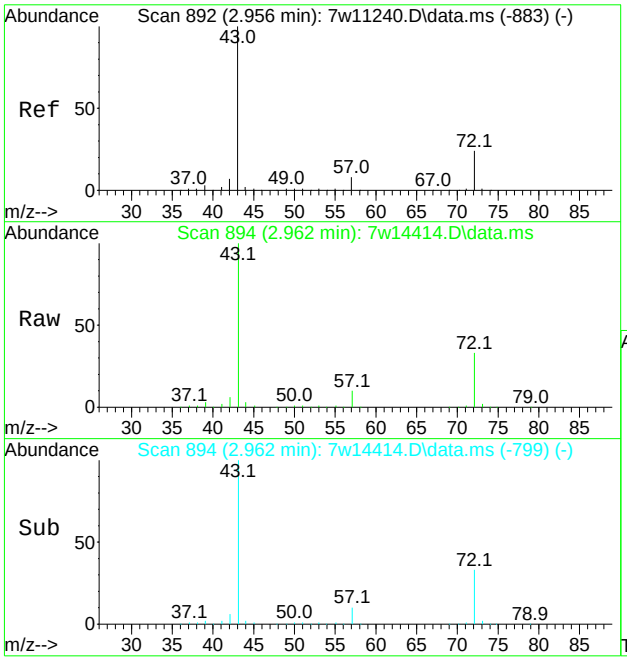


#38
HEXANE
Concen: 0.3884 PPBV
RT: 3.277 min Scan# 992
Delta R.T. 0.003 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 57 Resp: 8004

Ion	Ratio	Lower	Upper
57	100		
56	51.9	37.8	70.2
41	62.2	75.9	140.9#

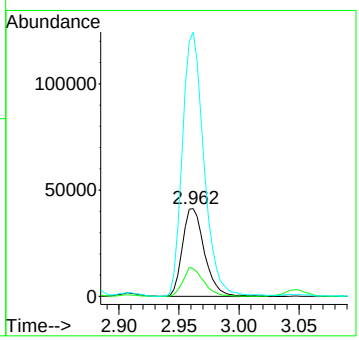


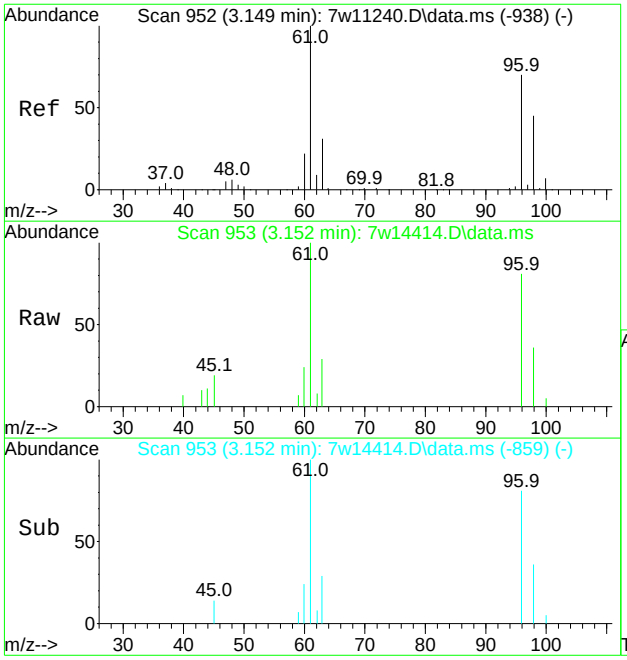


#41
METHYL ETHYL KETONE
Concen: 9.5094 PPBV
RT: 2.962 min Scan# 894
Delta R.T. 0.006 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 72 Resp: 52860

Ion	Ratio	Lower	Upper
72	100		
57	30.8	25.3	46.9
43	294.1	299.6	556.4#

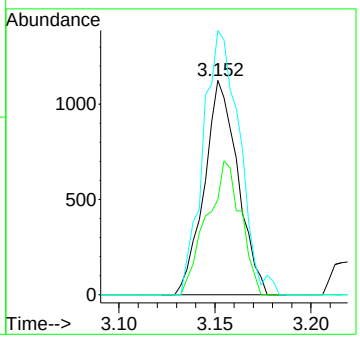


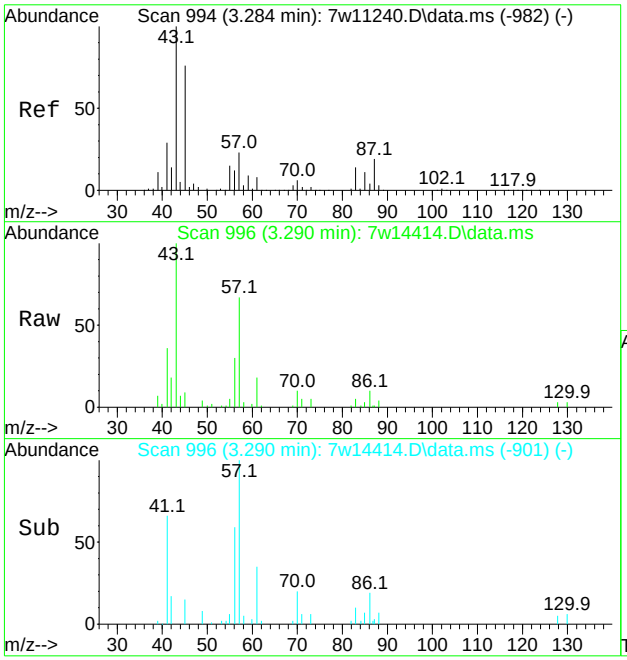


#42
CIS-1,2-DICHLOROETHENE
Concen: 0.1178 PPBV
RT: 3.152 min Scan# 953
Delta R.T. 0.002 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 96 Resp: 1370

Ion	Ratio	Lower	Upper
96	100		
98	63.1	44.8	83.2
61	133.6	100.0	185.8

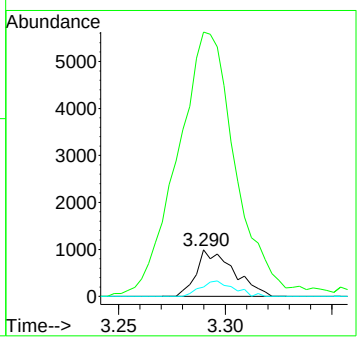


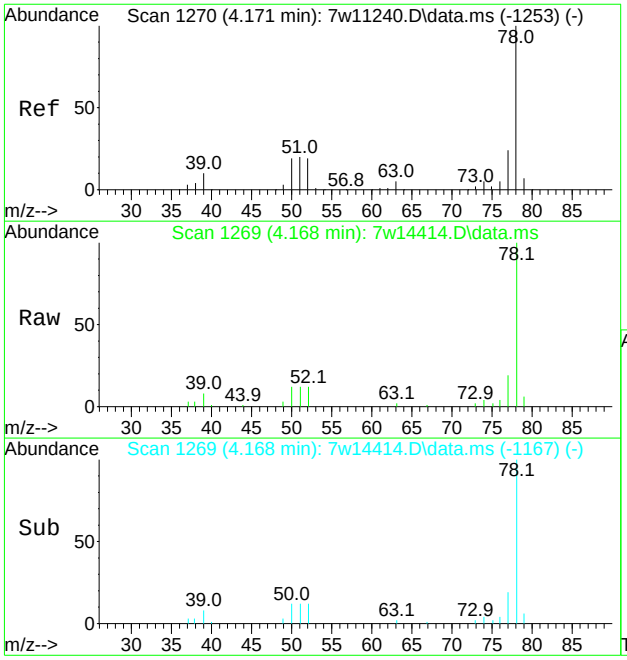


#44
ETHYL ACETATE
Concen: 0.3034 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.006 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 61 Resp: 1198

Ion	Ratio	Lower	Upper
61	100		
43	912.9	1005.1	1866.5#
88	29.5	29.3	54.5

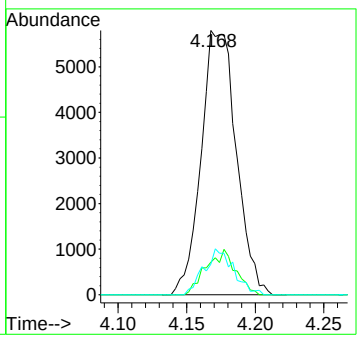


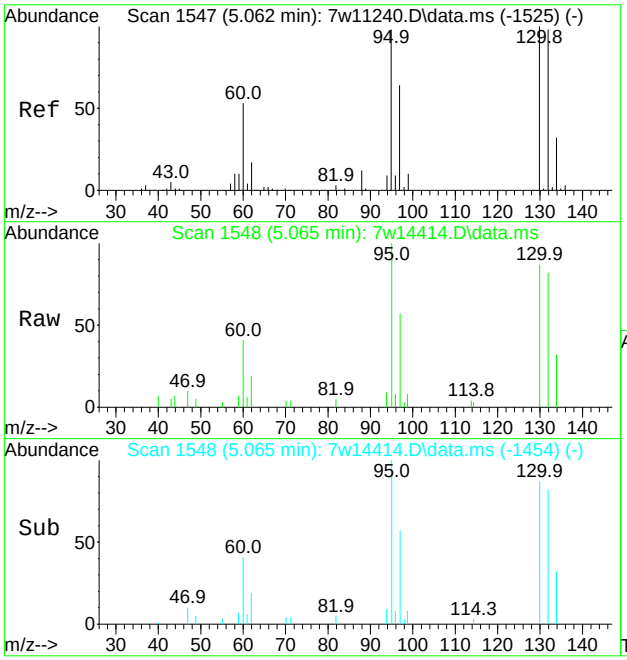


#51
BENZENE
Concen: 0.3091 PPBV
RT: 4.168 min Scan# 1269
Delta R.T. -0.003 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 78 Resp: 10329

Ion	Ratio	Lower	Upper
78	100		
52	14.4	0.0	48.9
51	14.6	0.0	50.2

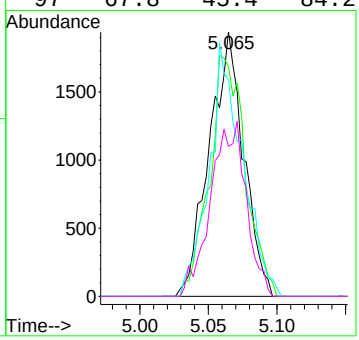


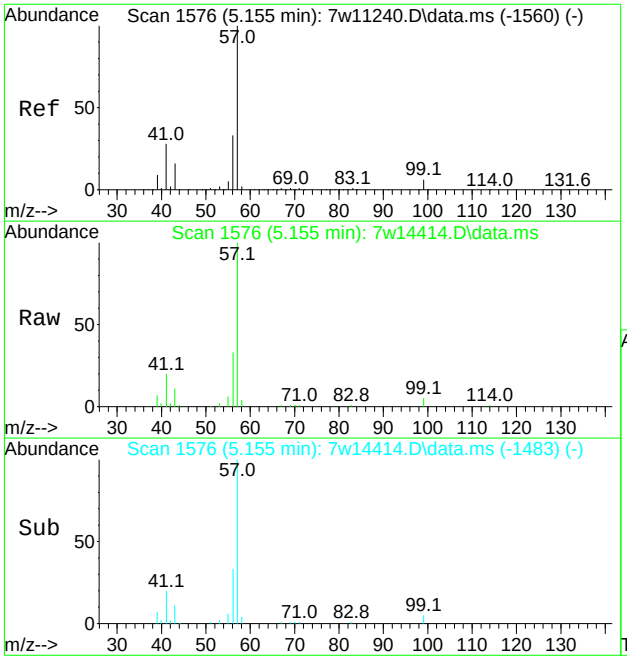


#55
TRICHLOROETHENE
Concen: 0.2059 PPBV
RT: 5.065 min Scan# 1548
Delta R.T. 0.003 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 95 Resp: 3389

Ion	Ratio	Lower	Upper
95	100		
130	95.0	72.8	135.2
132	91.9	71.9	133.5
97	67.8	45.4	84.2

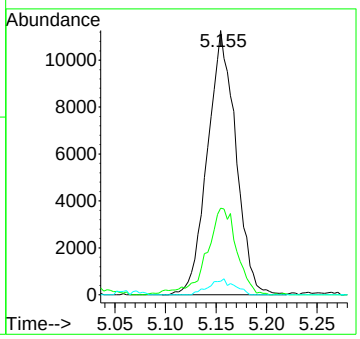


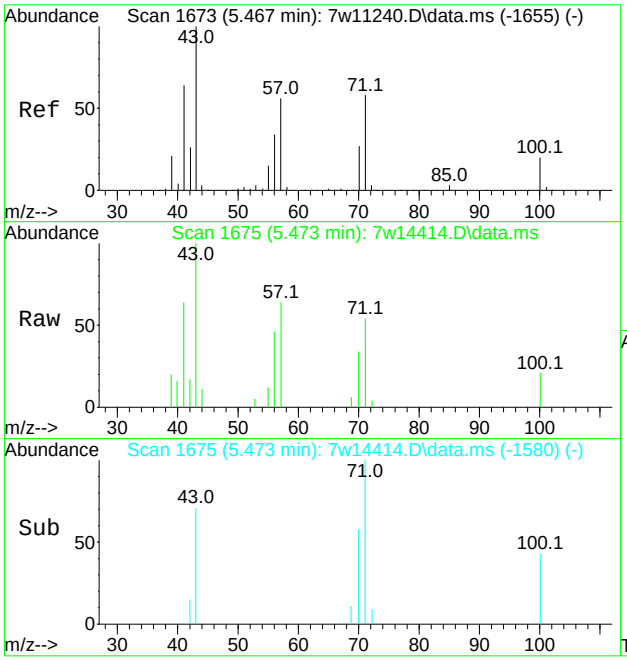


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3520 PPBV
RT: 5.155 min Scan# 1576
Delta R.T. -0.000 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 57 Resp: 21921

Ion	Ratio	Lower	Upper
57	100		
56	35.0	22.7	42.1
99	5.3	3.9	7.3

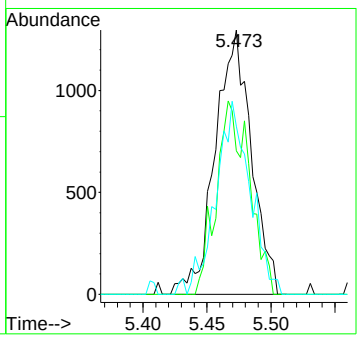


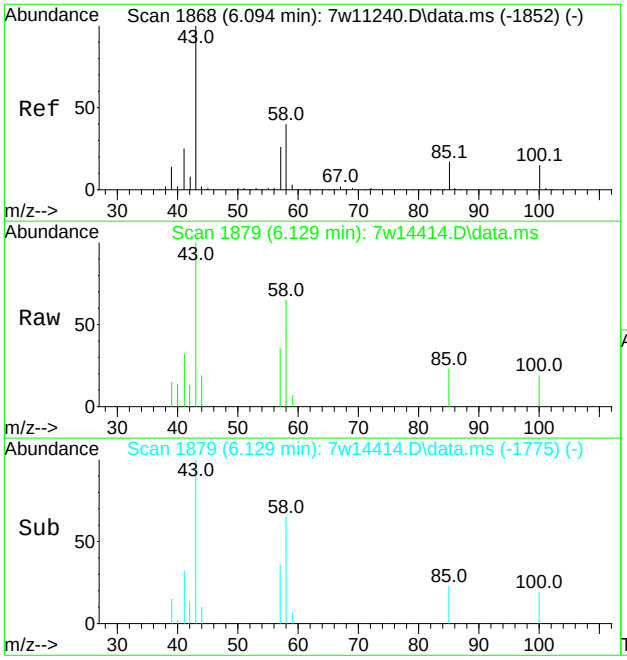


#62
HEPTANE
Concen: 0.1161 PPBV
RT: 5.473 min Scan# 1675
Delta R.T. 0.006 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 43 Resp: 2541

Ion	Ratio	Lower	Upper
43	100		
71	67.0	40.0	74.4
57	69.7	38.9	72.2

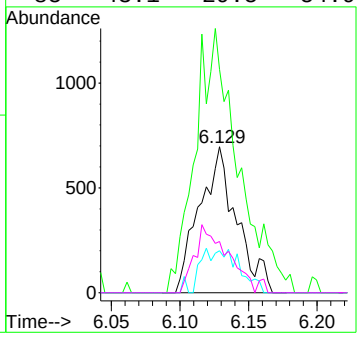


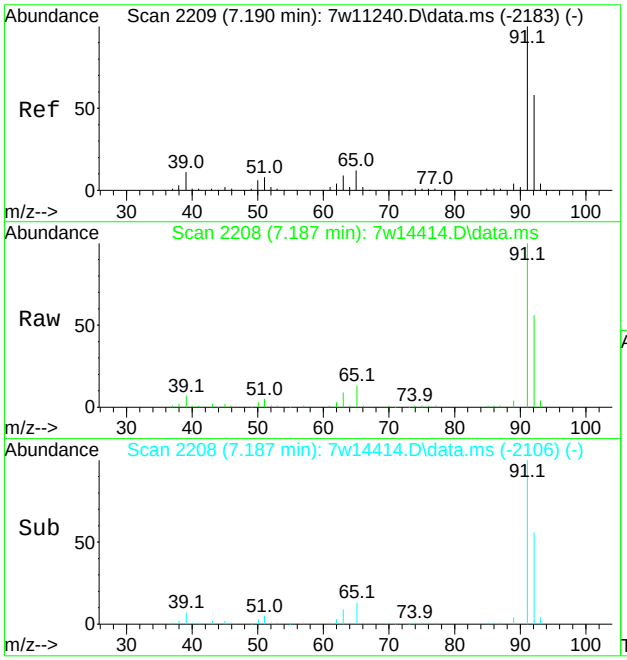


#64
METHYL ISOBUTYL KETONE
Concen: 0.1000 PPBV
RT: 6.129 min Scan# 1879
Delta R.T. 0.035 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 58 Resp: 1306

Ion	Ratio	Lower	Upper
58	100		
43	211.0	175.8	326.4
100	31.7	26.9	49.9
85	43.1	29.5	54.9

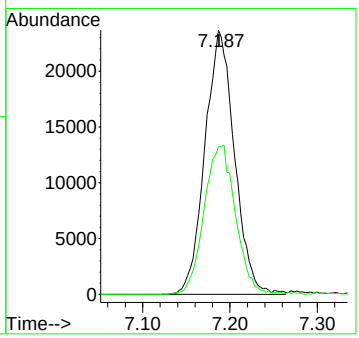


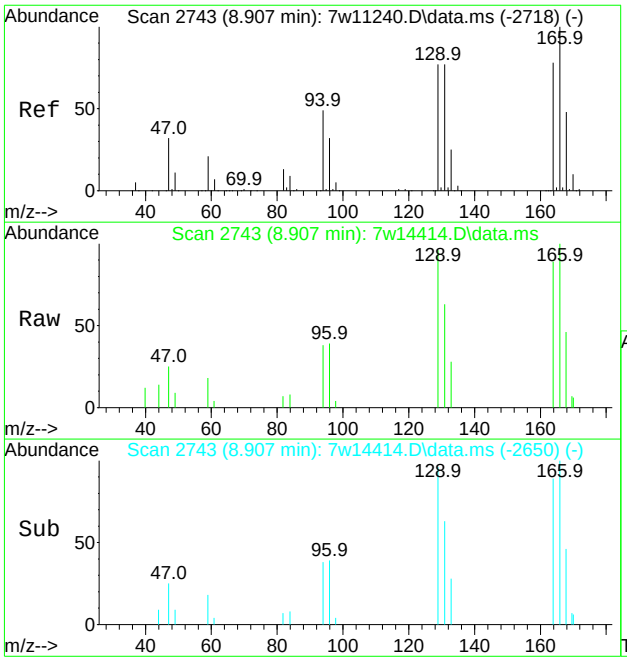


#66
TOLUENE
Concen: 1.2181 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 91 Resp: 55745

Ion	Ratio	Lower	Upper
91	100		
92	60.2	29.0	89.0

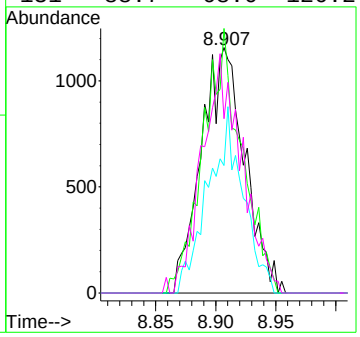


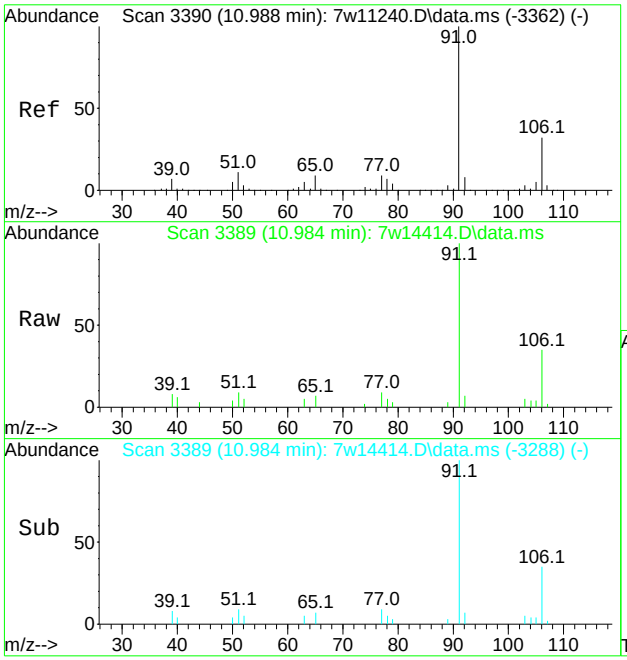


#72
TETRACHLOROETHENE
Concen: 0.1684 PPBV
RT: 8.907 min Scan# 2743
Delta R.T. -0.000 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion:164 Resp: 2920

Ion	Ratio	Lower	Upper
164	100		
129	95.3	68.9	127.9
168	59.8	42.3	78.5
131	88.7	68.0	126.2

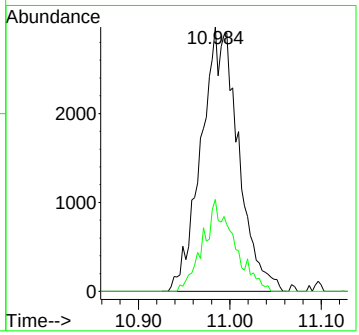


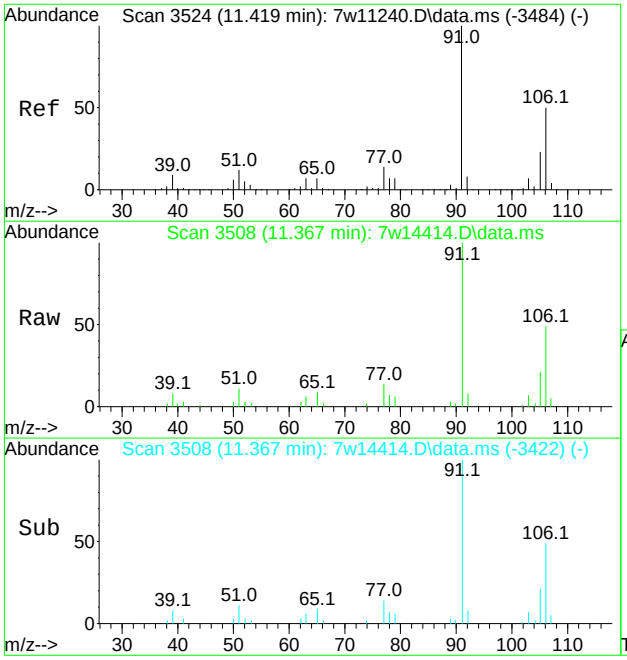


#79
ETHYLBENZENE
Concen: 0.1422 PPBV
RT: 10.984 min Scan# 3389
Delta R.T. -0.004 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 91 Resp: 8422

Ion	Ratio	Lower	Upper
91	100		
106	29.2	1.6	61.6

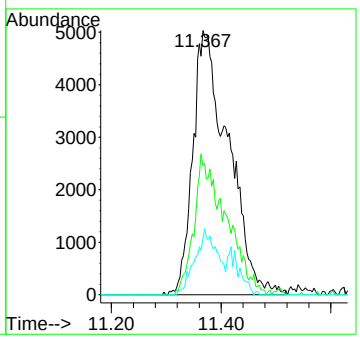


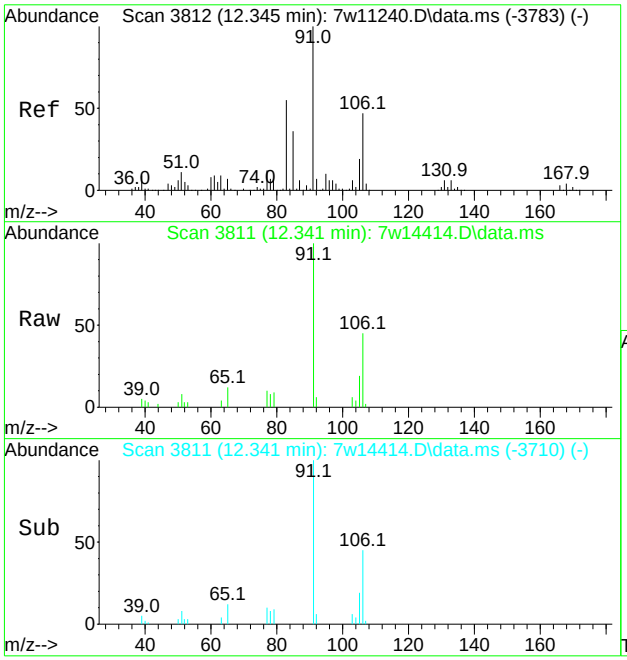


#80
M,P-XYLENE
Concen: 0.4858 PPBV
RT: 11.367 min Scan# 3508
Delta R.T. -0.052 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 91 Resp: 22546

Ion	Ratio	Lower	Upper
91	100		
106	47.9	0.0	55.5
105	15.9	0.0	41.7

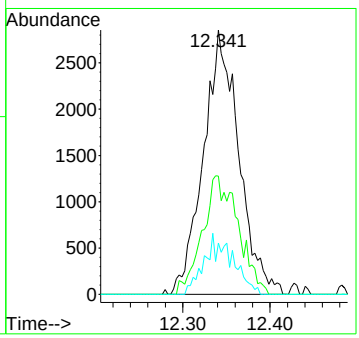


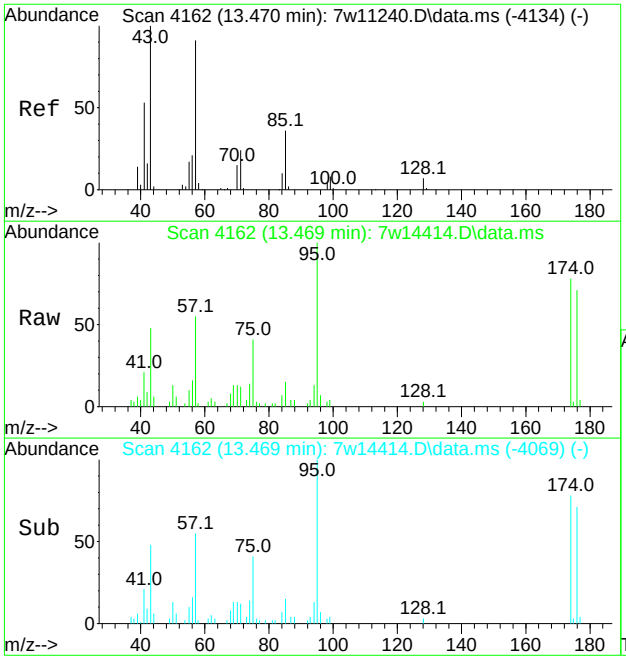


#81
O-XYLENE
Concen: 0.1731 PPBV
RT: 12.341 min Scan# 3811
Delta R.T. -0.004 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 91 Resp: 8070

Ion	Ratio	Lower	Upper
91	100		
106	44.7	32.7	60.7
105	19.4	13.2	24.6

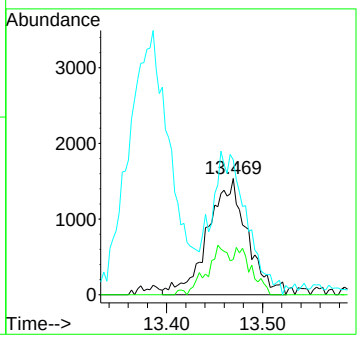


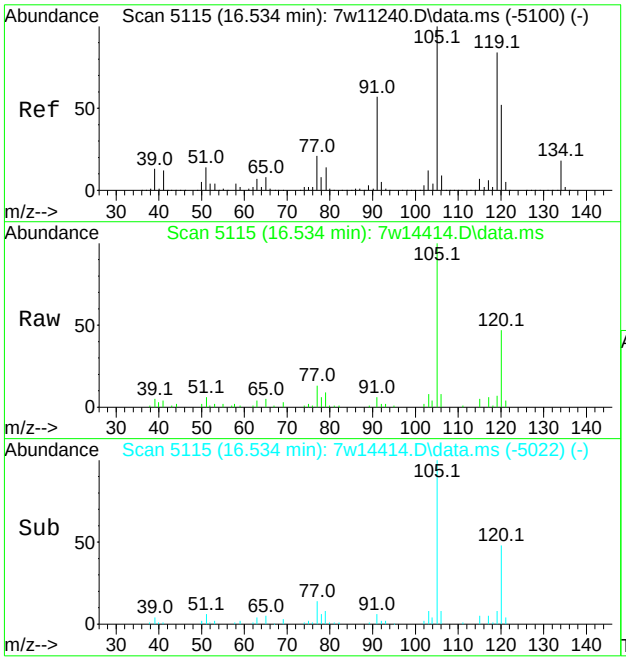


#83
NONANE
Concen: 0.1364 PPBV
RT: 13.469 min Scan# 4162
Delta R.T. -0.001 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion: 43 Resp: 4367

Ion	Ratio	Lower	Upper
43	100		
85	19.0	25.0	46.4#
57	0.0	65.7	122.1#

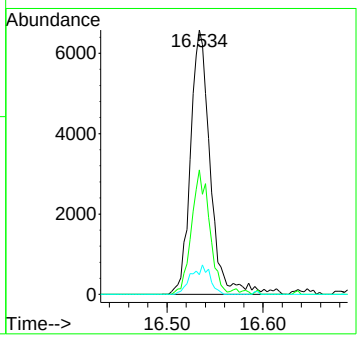




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1719 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w14414.D
Acq: 14 Apr 2025 4:58 am

Tgt Ion:105 Resp: 9445

Ion	Ratio	Lower	Upper
105	100		
120	44.4	38.8	72.0
119	10.7	74.3	137.9#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/25 15:45

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14415.D
Acq On : 14 Apr 2025 5:43 am
Operator : benk
Sample : je8598-7 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 15 06:03:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

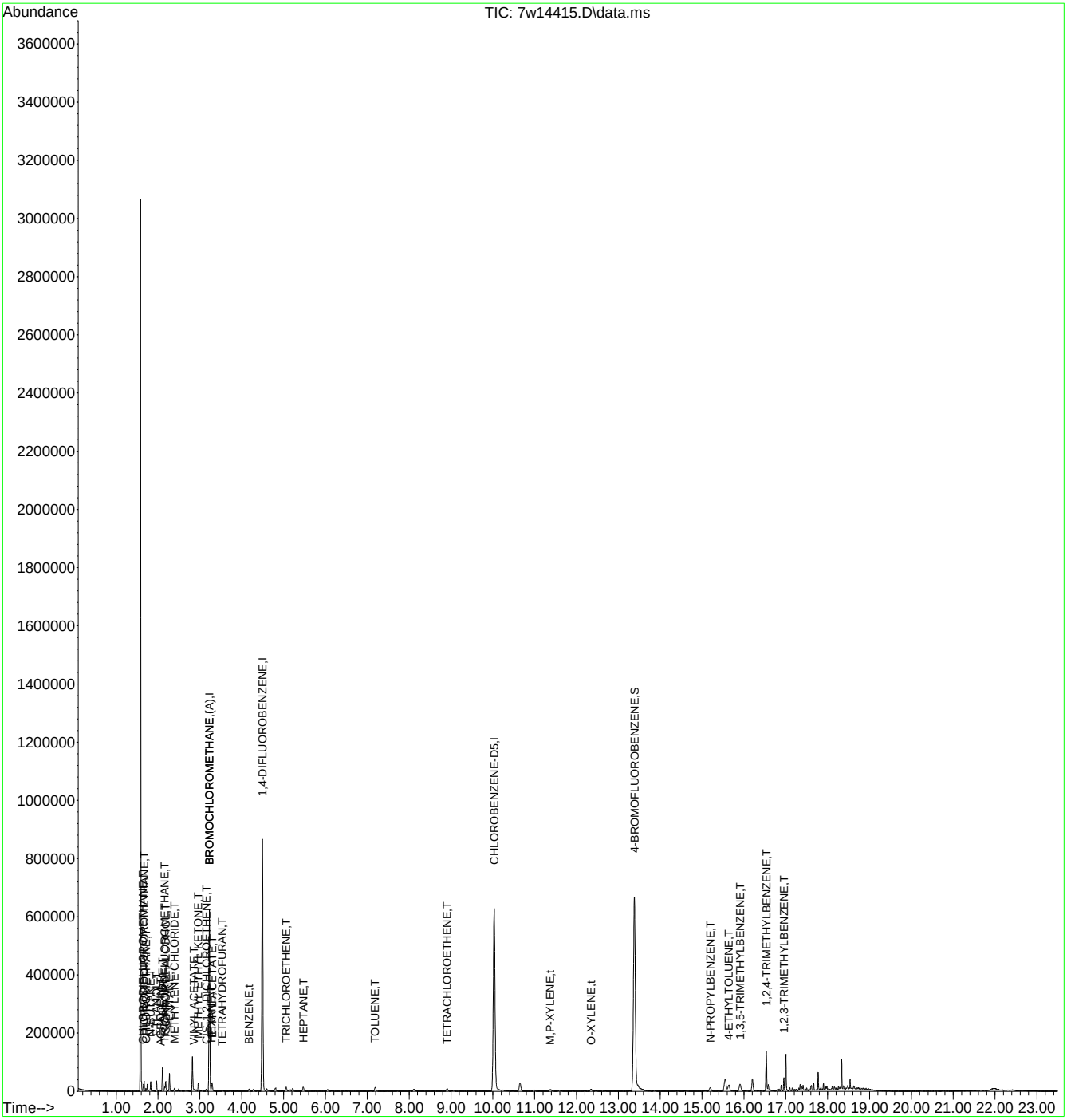
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	127078	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	655938	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	604805	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	127078	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	476210	10.85	PPBV	0.00
Target Compounds						Qvalue
4) CHLORODIFLUOROMETHANE	1.637	67	768	0.2500	PPBV #	56
6) DICHLORODIFLUOROMETHANE	1.666	85	13636	0.4304	PPBV #	92
10) CHLOROMETHANE	1.711	52	1482	0.4506	PPBV	87
13) N-BUTANE	1.827	43	13192	0.8004	PPBV #	89
18) ACROLEIN	2.065	56	644	0.1200	PPBV	91
21) TRICHLOROFLUOROMETHANE	2.161	101	6292	0.2255	PPBV	99
22) ISOPROPYL ALCOHOL	2.184	45	22308	0.9476	PPBV #	96
23) ACETONE	2.107	58	20363	2.7580	PPBV	58
24) PENTANE	2.274	42	12502	1.1056	PPBV #	95
28) ETHANOL	1.965	45	20514	3.1831	PPBV	99
31) METHYLENE CHLORIDE	2.396	84	2563	0.2548	PPBV #	73
37) TETRAHYDROFURAN	3.534	72	1000	0.1967	PPBV	71
38) HEXANE	3.277	57	3978	0.1901	PPBV #	68
39) VINYL ACETATE	2.853	86	616	0.1984	PPBV #	1
41) METHYL ETHYL KETONE	2.962	72	7087	1.2553	PPBV #	49
42) CIS-1,2-DICHLOROETHENE	3.152	96	2191	0.1854	PPBV	99
44) ETHYL ACETATE	3.290	61	3874	0.9661	PPBV #	1
51) BENZENE	4.174	78	6189	0.1824	PPBV	91
55) TRICHLOROETHENE	5.061	95	5041	0.3023	PPBV	89
62) HEPTANE	5.470	43	5623	0.2537	PPBV #	77
66) TOLUENE	7.187	91	13832	0.2984	PPBV	99
72) TETRACHLOROETHENE	8.907	164	3044	0.1733	PPBV	97
80) M,P-XYLENE	11.367	91	9121	0.1953	PPBV	85
81) O-XYLENE	12.344	91	8171	0.1742	PPBV	90
91) N-PROPYLBENZENE	15.196	120	4518	0.2488	PPBV	99
92) 4-ETHYLTOLUENE	15.633	105	28296m	0.4344	PPBV	
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	27649	0.5044	PPBV	96
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	73314	1.3259	PPBV #	34
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	20371	0.3678	PPBV	99

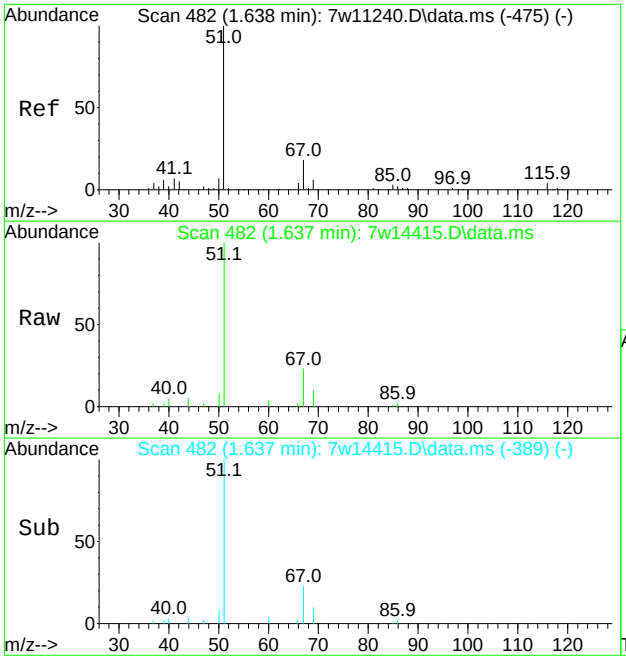
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14415.D
Acq On : 14 Apr 2025 5:43 am
Operator : benk
Sample : je8598-7 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 15 06:03:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

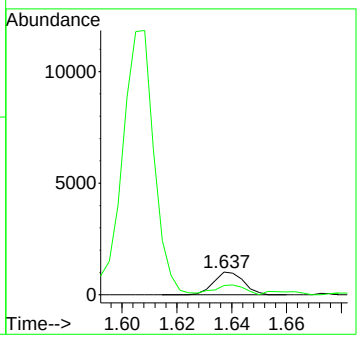


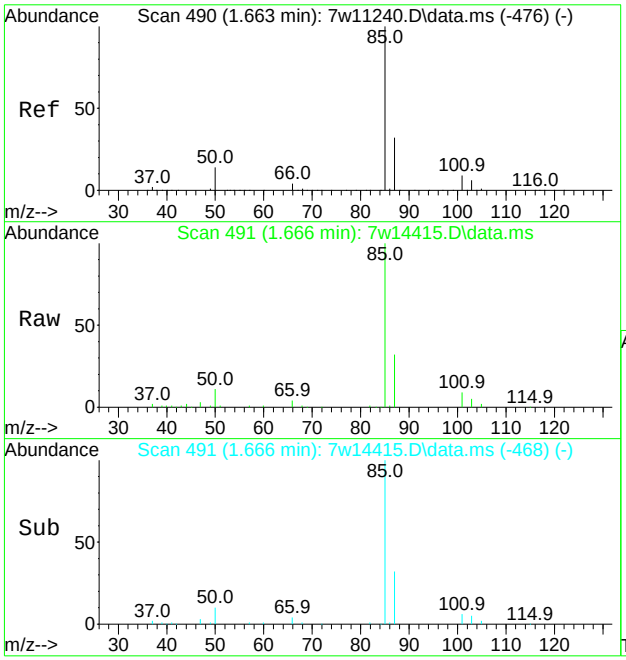


#4
CHLORODIFLUOROMETHANE
Concen: 0.2500 PPBV
RT: 1.637 min Scan# 482
Delta R.T. -0.001 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 67 Resp: 768

Ion	Ratio	Lower	Upper
67	100		
69	60.5	24.4	45.4#

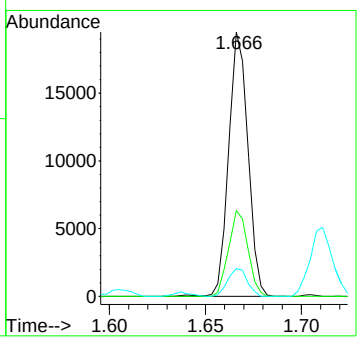


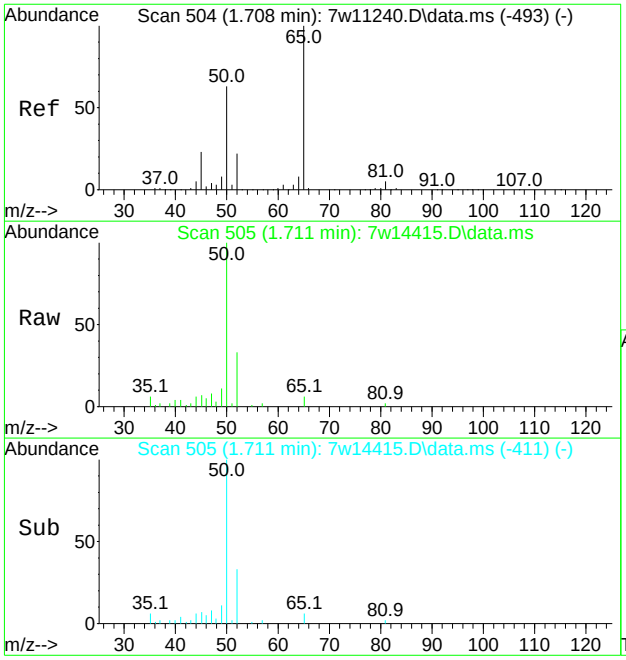


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4304 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 85 Resp: 13636

Ion	Ratio	Lower	Upper
85	100		
87	32.6	22.5	41.7
50	10.7	13.8	25.6#

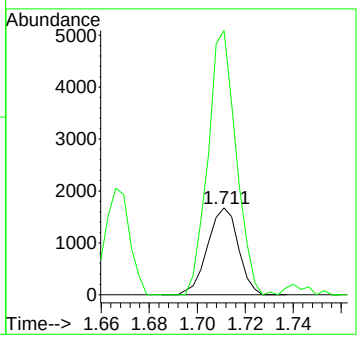


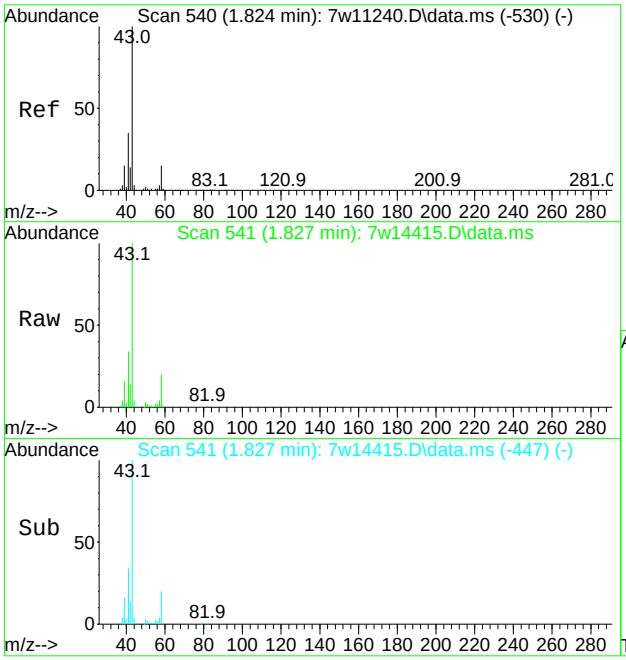


#10
CHLOROMETHANE
Concen: 0.4506 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 52 Resp: 1482

Ion	Ratio	Lower	Upper
52	100		
50	287.8	220.1	408.8

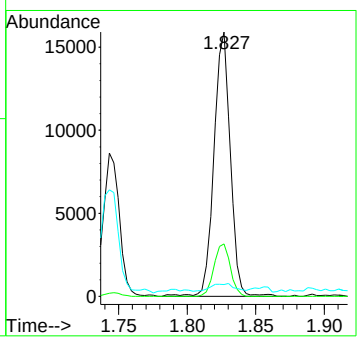


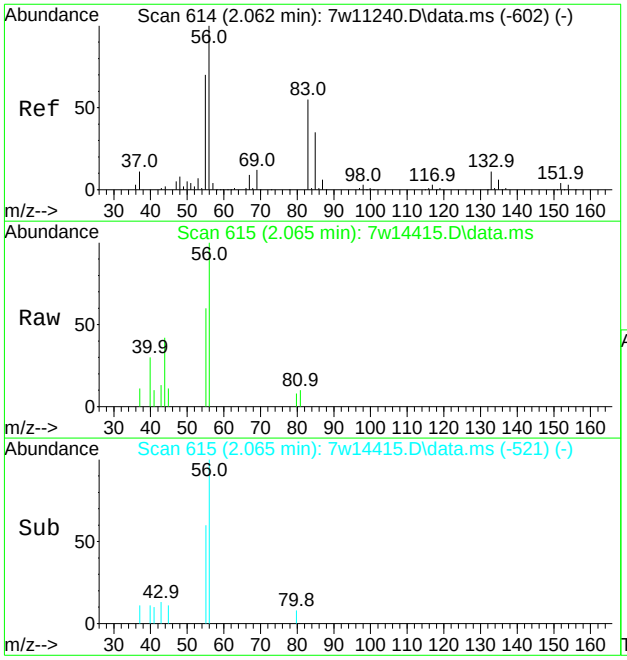


#13
N-BUTANE
Concen: 0.8004 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 43 Resp: 13192

Ion	Ratio	Lower	Upper
43	100		
58	19.8	10.4	19.2#
44	6.2	3.0	5.6#

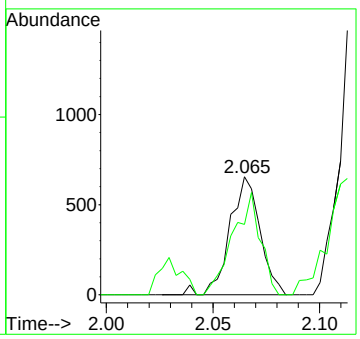


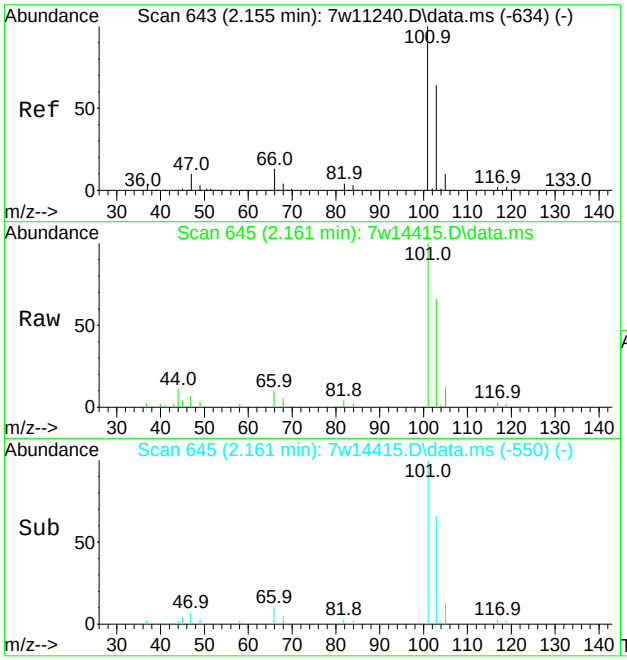


#18
ACROLEIN
Concen: 0.1200 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 56 Resp: 644

Ion	Ratio	Lower	Upper
56	100		
55	79.3	50.3	93.3

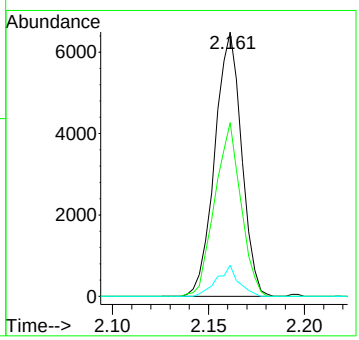


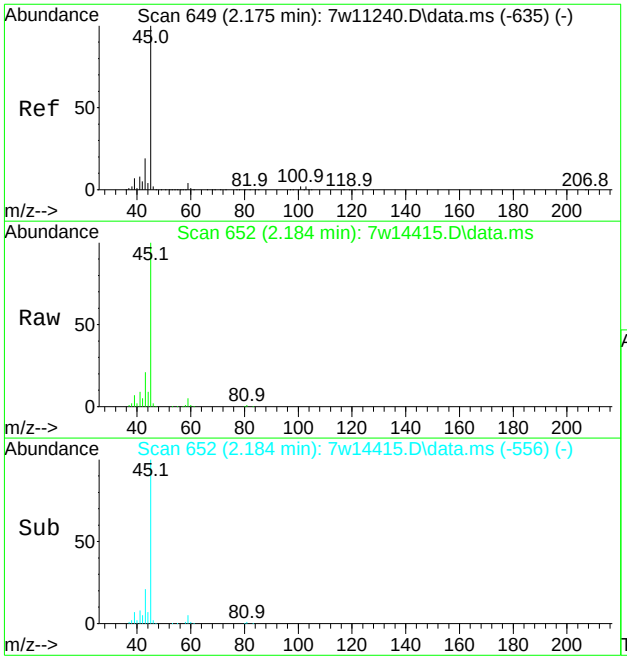


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2255 PPBV
RT: 2.161 min Scan# 645
Delta R.T. 0.006 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion:101 Resp: 6292

Ion	Ratio	Lower	Upper
101	100		
103	64.0	44.9	83.5
105	9.6	7.3	13.5

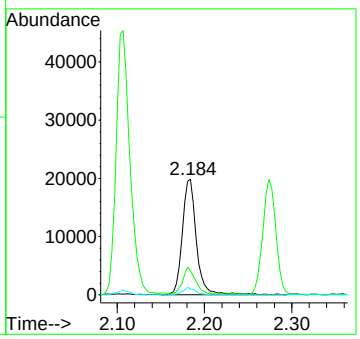


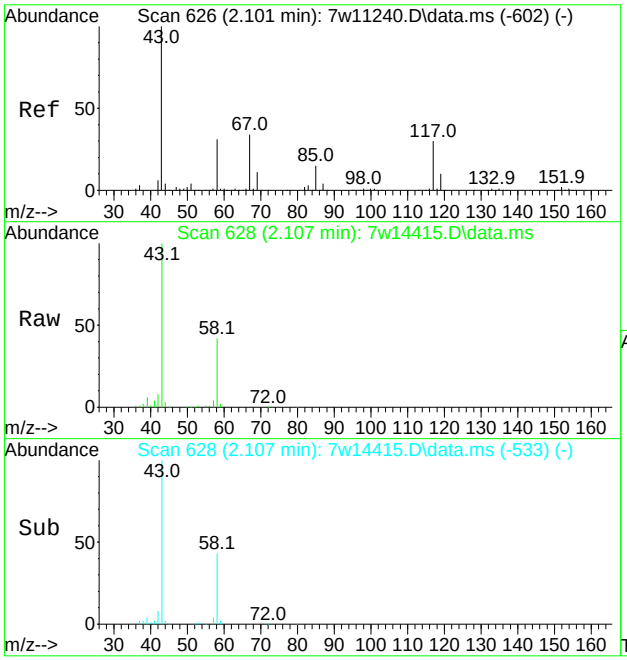


#22
ISOPROPYL ALCOHOL
Concen: 0.9476 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 45 Resp: 22308

Ion	Ratio	Lower	Upper
45	100		
43	21.8	13.9	25.9
59	5.5	2.8	5.2#

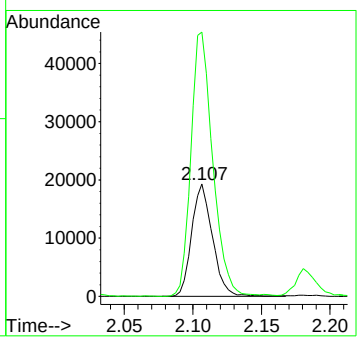


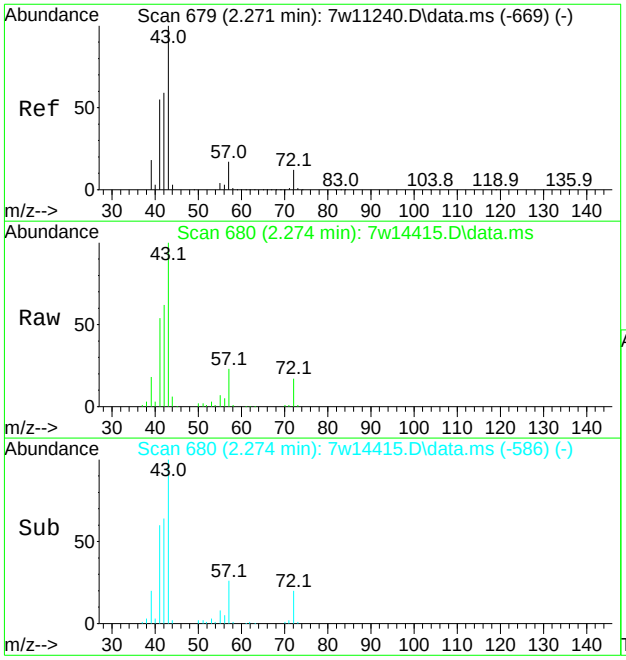


#23
ACETONE
Concen: 2.7580 PPBV
RT: 2.107 min Scan# 628
Delta R.T. 0.006 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 58 Resp: 20363

Ion	Ratio	Lower	Upper
58	100		
43	247.0	234.4	435.2

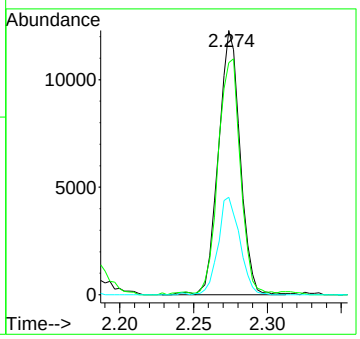


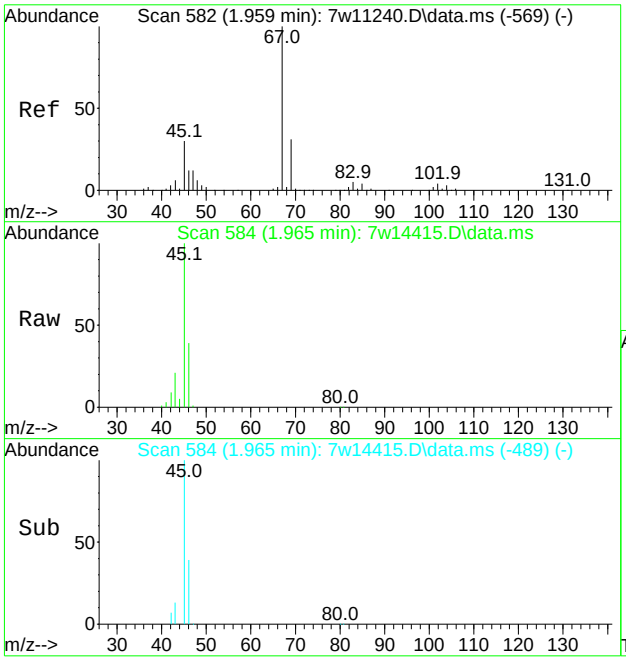


#24
PENTANE
Concen: 1.1056 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 42 Resp: 12502

Ion	Ratio	Lower	Upper
42	100		
41	93.2	64.8	120.3
57	37.1	19.7	36.7#

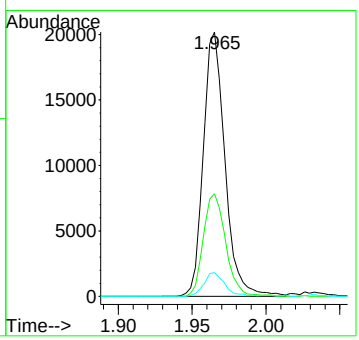


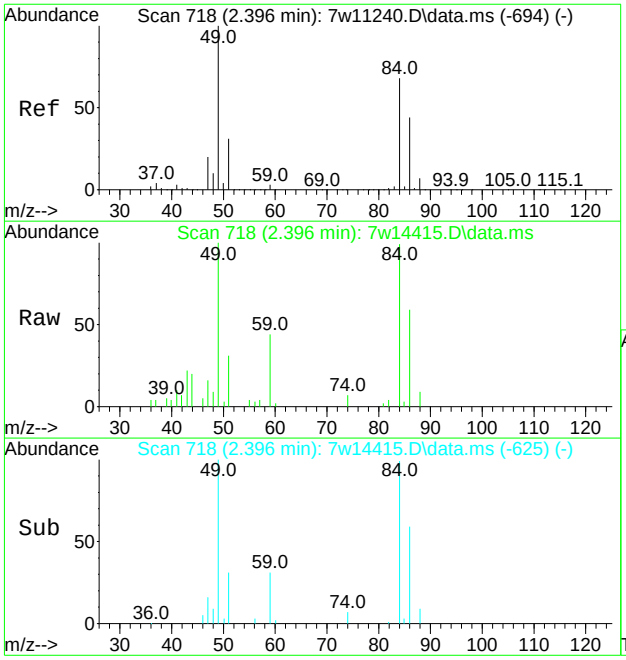


#28
ETHANOL
Concen: 3.1831 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 45 Resp: 20514

Ion	Ratio	Lower	Upper
45	100		
46	40.0	28.6	53.0
42	8.8	6.3	11.7

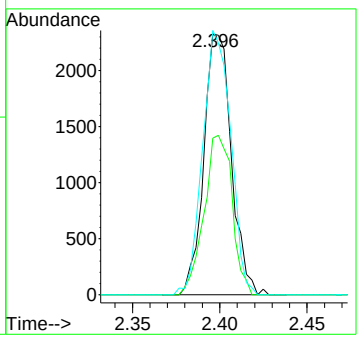


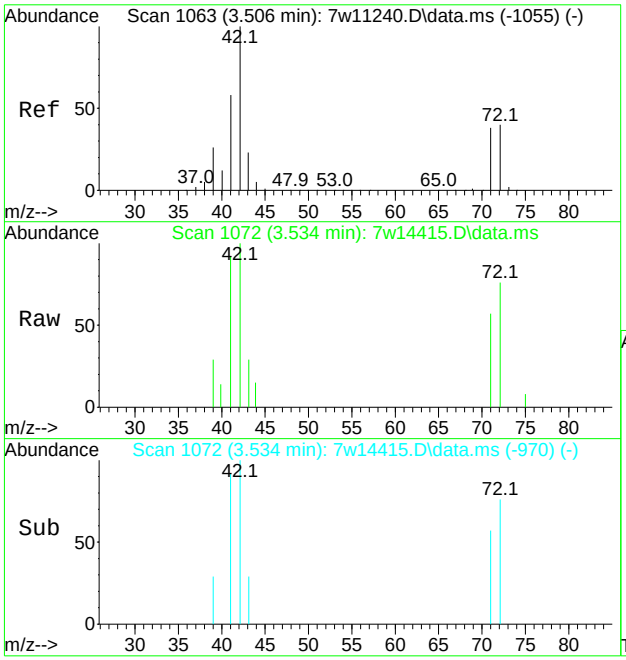


#31
METHYLENE CHLORIDE
Concen: 0.2548 PPBV
RT: 2.396 min Scan# 718
Delta R.T. -0.000 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 84 Resp: 2563

Ion	Ratio	Lower	Upper
84	100		
86	61.8	46.0	85.4
49	102.8	103.9	192.9#

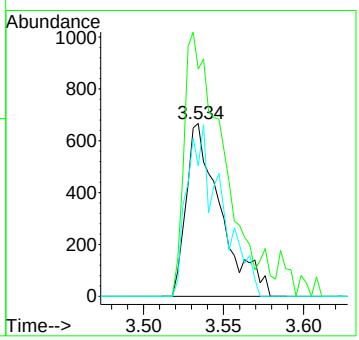


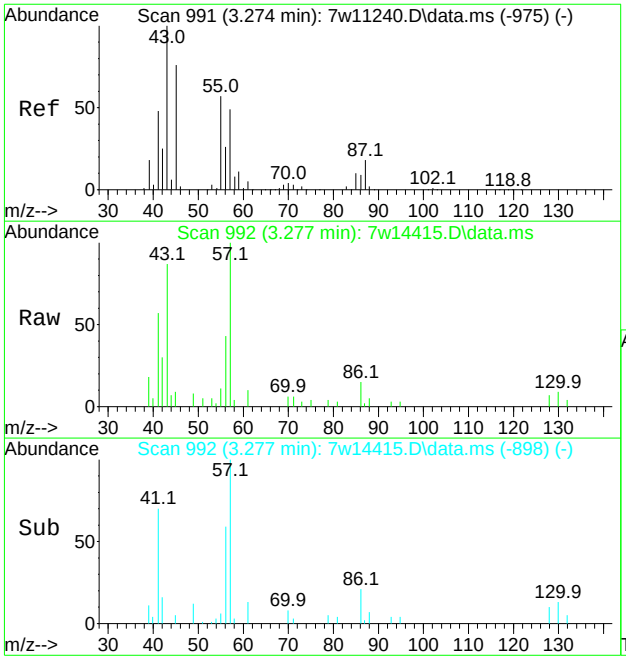


#37
TETRAHYDROFURAN
Concen: 0.1967 PPBV
RT: 3.534 min Scan# 1072
Delta R.T. 0.028 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 72 Resp: 1000

Ion	Ratio	Lower	Upper
72	100		
42	181.9	174.9	324.9
71	99.7	67.2	124.8

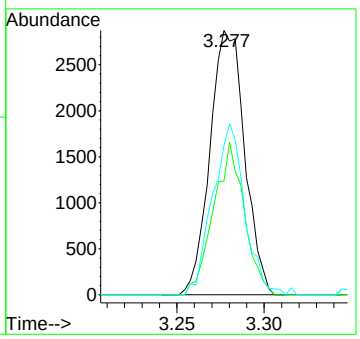


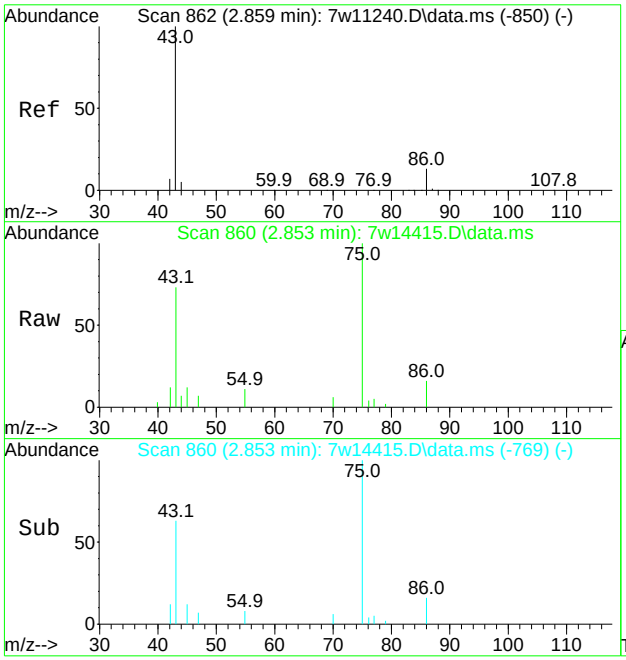


#38
HEXANE
Concen: 0.1901 PPBV
RT: 3.277 min Scan# 992
Delta R.T. 0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 57 Resp: 3978

Ion	Ratio	Lower	Upper
57	100		
56	50.9	37.8	70.2
41	59.9	75.9	140.9#

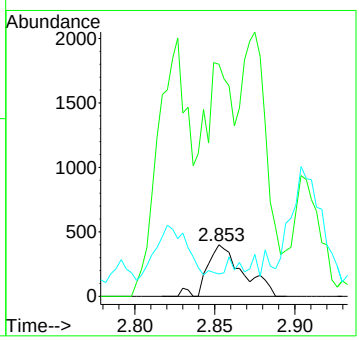


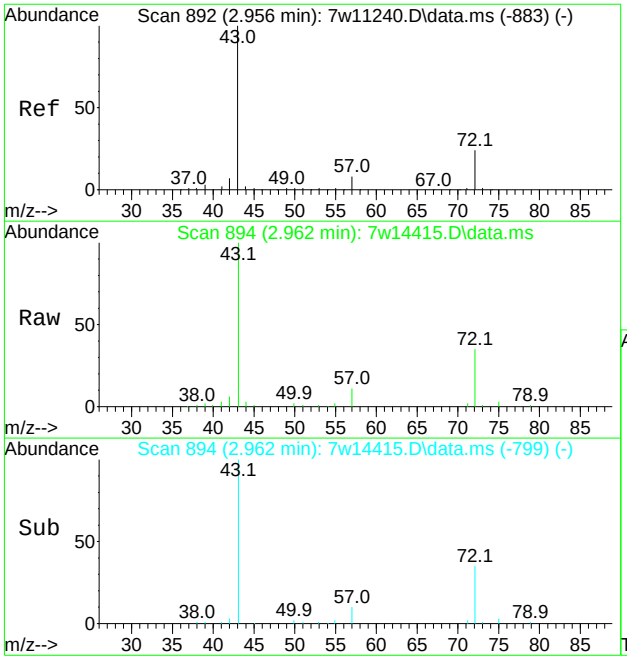


#39
VINYL ACETATE
Concen: 0.1984 PPBV
RT: 2.853 min Scan# 860
Delta R.T. -0.006 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 86 Resp: 616

Ion	Ratio	Lower	Upper
86	100		
43	375.6	719.4	1336.0#
44	0.0	34.6	64.2#

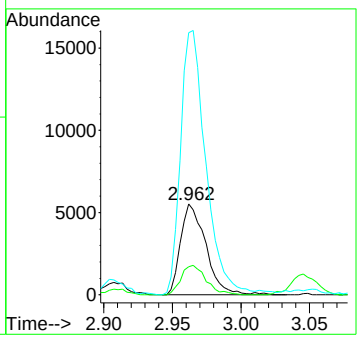


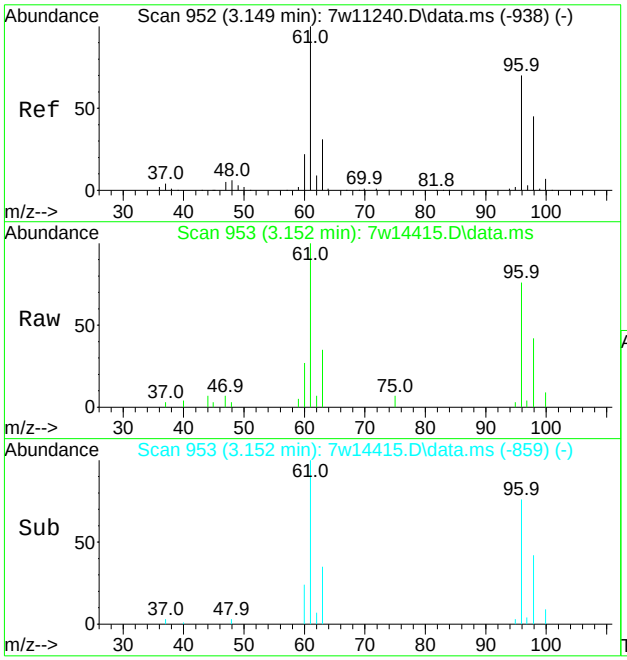


#41
METHYL ETHYL KETONE
Concen: 1.2553 PPBV
RT: 2.962 min Scan# 894
Delta R.T. 0.006 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 72 Resp: 7087

Ion	Ratio	Lower	Upper
72	100		
57	32.1	25.3	46.9
43	292.3	299.6	556.4#

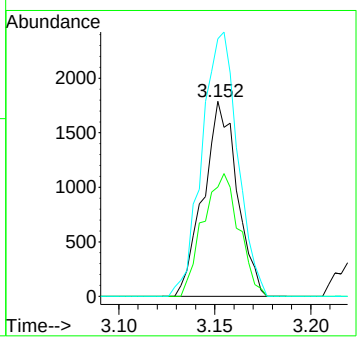


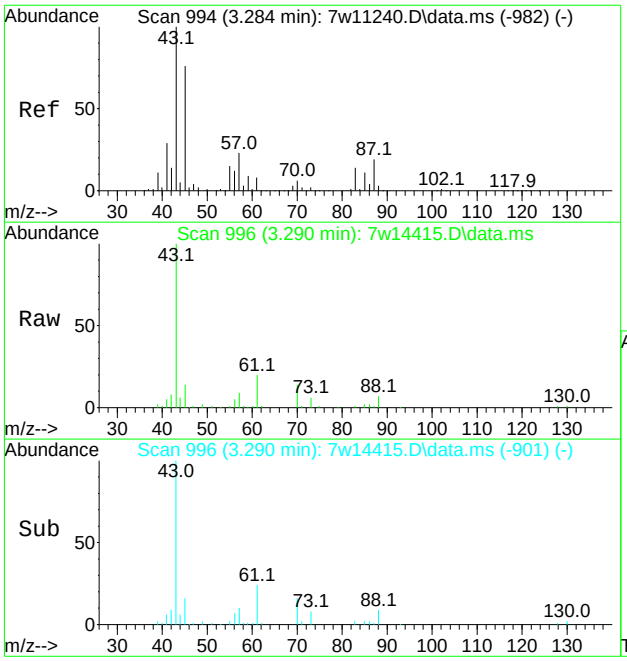


#42
CIS-1,2-DICHLOROETHENE
Concen: 0.1854 PPBV
RT: 3.152 min Scan# 953
Delta R.T. 0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 96 Resp: 2191

Ion	Ratio	Lower	Upper
96	100		
98	66.9	44.8	83.2
61	143.3	100.0	185.8

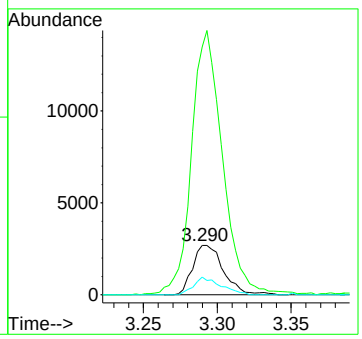


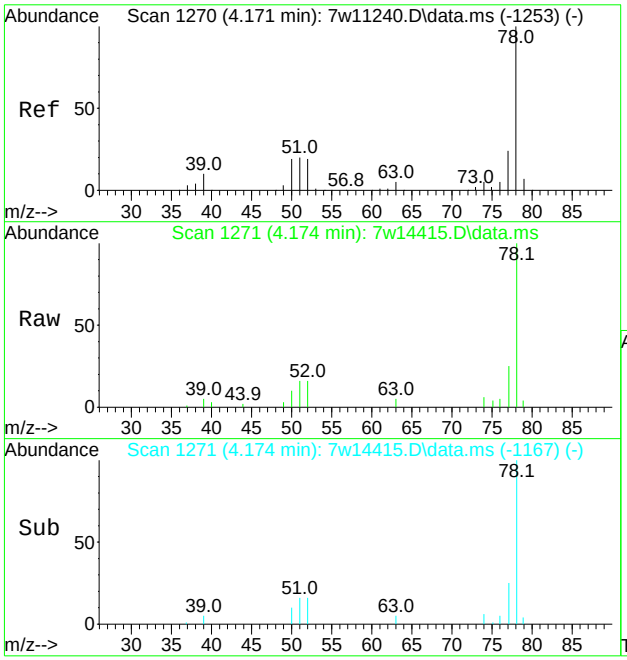


#44
ETHYL ACETATE
Concen: 0.9661 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.006 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 61 Resp: 3874

Ion	Ratio	Lower	Upper
61	100		
43	541.9	1005.1	1866.5#
88	31.5	29.3	54.5

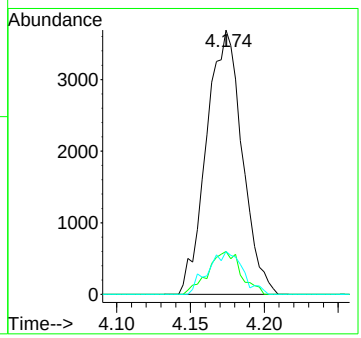


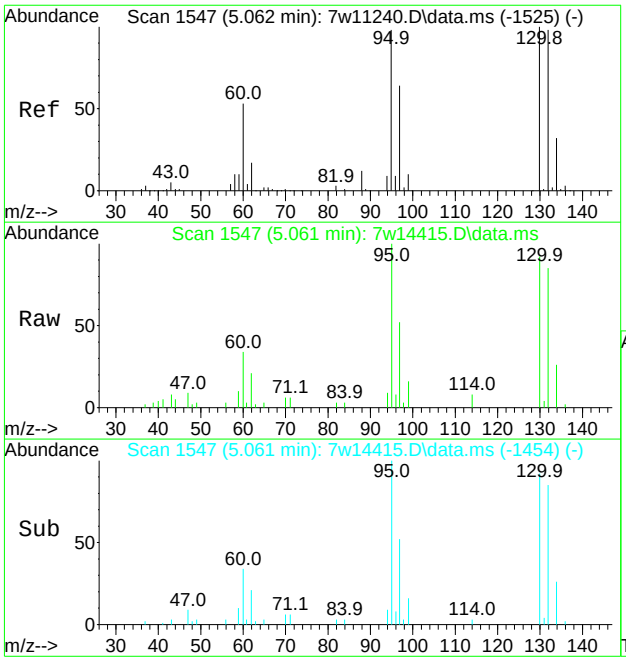


#51
BENZENE
Concen: 0.1824 PPBV
RT: 4.174 min Scan# 1271
Delta R.T. 0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 78 Resp: 6189

Ion	Ratio	Lower	Upper
78	100		
52	14.9	0.0	48.9
51	15.8	0.0	50.2

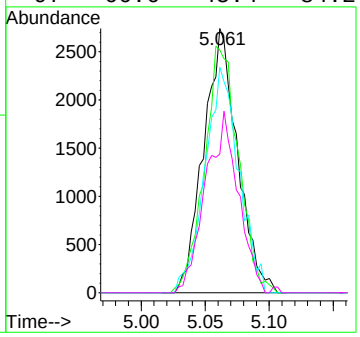


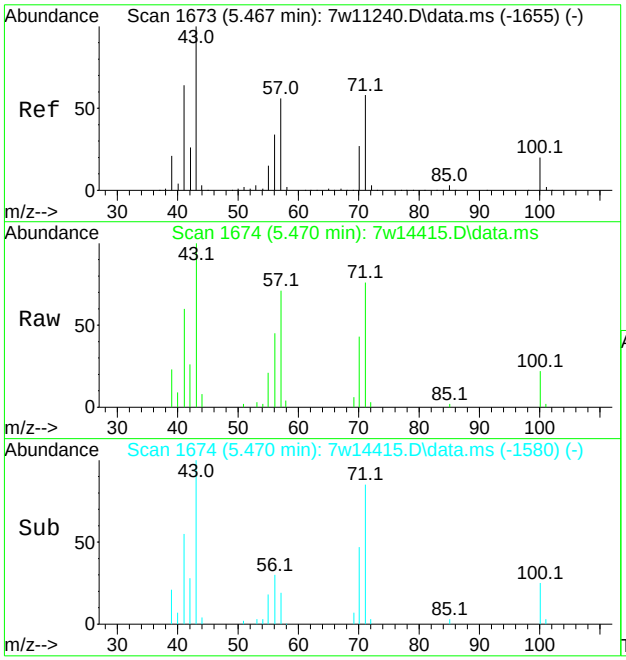


#55
TRICHLOROETHENE
Concen: 0.3023 PPBV
RT: 5.061 min Scan# 1547
Delta R.T. -0.001 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 95 Resp: 5041

Ion	Ratio	Lower	Upper
95	100		
130	93.7	72.8	135.2
132	85.2	71.9	133.5
97	66.6	45.4	84.2

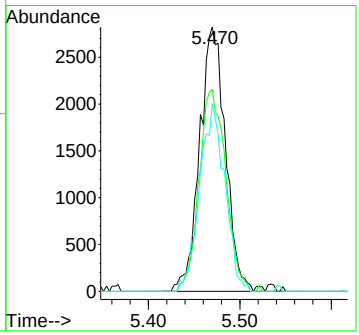


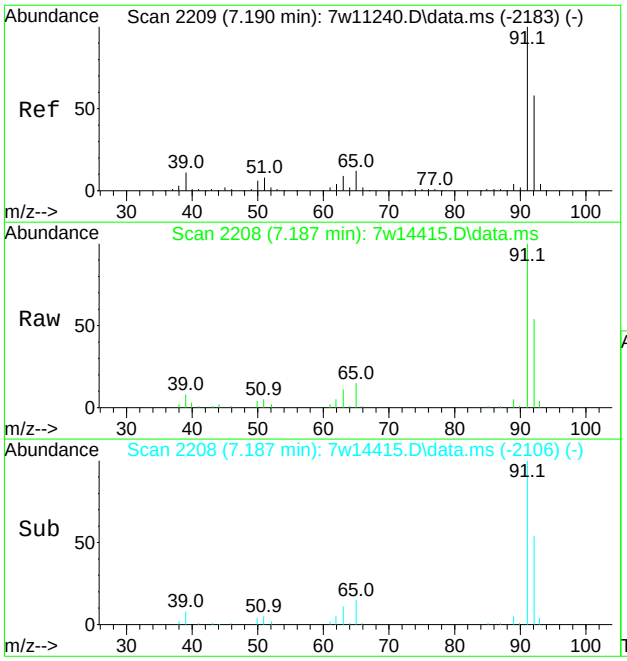


#62
HEPTANE
Concen: 0.2537 PPBV
RT: 5.470 min Scan# 1674
Delta R.T. 0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 43 Resp: 5623

Ion	Ratio	Lower	Upper
43	100		
71	77.7	40.0	74.4#
57	68.7	38.9	72.2

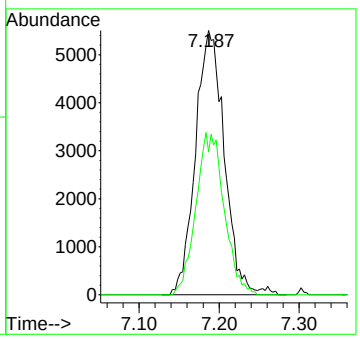


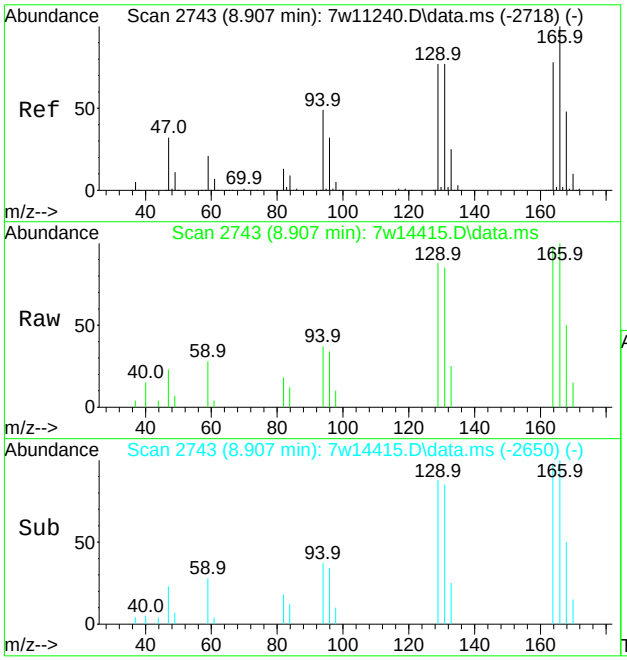


#66
TOLUENE
Concen: 0.2984 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 91 Resp: 13832

Ion	Ratio	Lower	Upper
91	100		
92	59.8	29.0	89.0

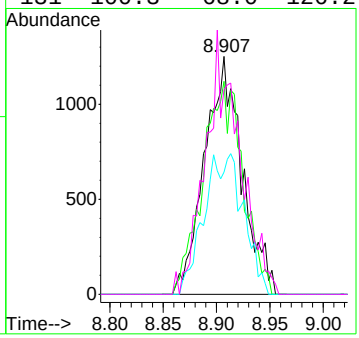


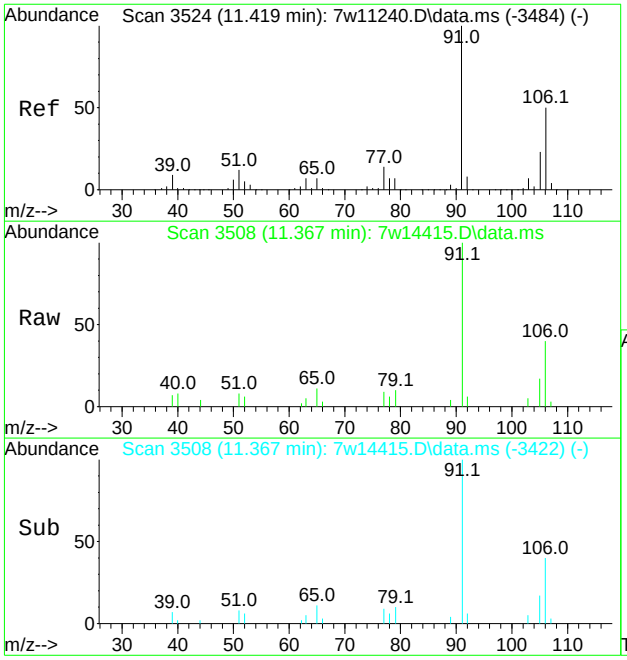


#72
TETRACHLOROETHENE
Concen: 0.1733 PPBV
RT: 8.907 min Scan# 2743
Delta R.T. -0.000 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion:164 Resp: 3044

Ion	Ratio	Lower	Upper
164	100		
129	96.0	68.9	127.9
168	62.7	42.3	78.5
131	100.3	68.0	126.2

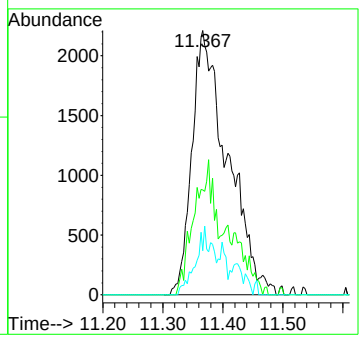


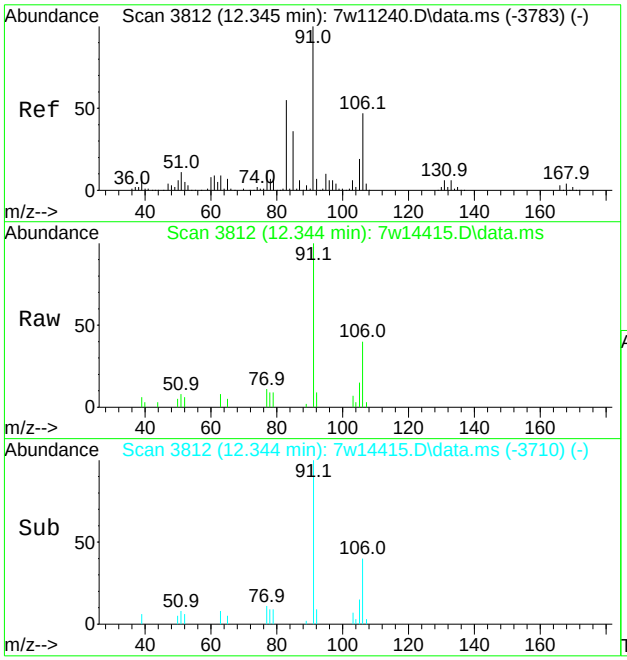


#80
M,P-XYLENE
Concen: 0.1953 PPBV
RT: 11.367 min Scan# 3508
Delta R.T. -0.052 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 91 Resp: 9121

Ion	Ratio	Lower	Upper
91	100		
106	31.0	0.0	55.5
105	20.7	0.0	41.7

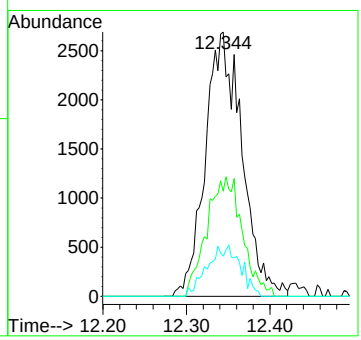


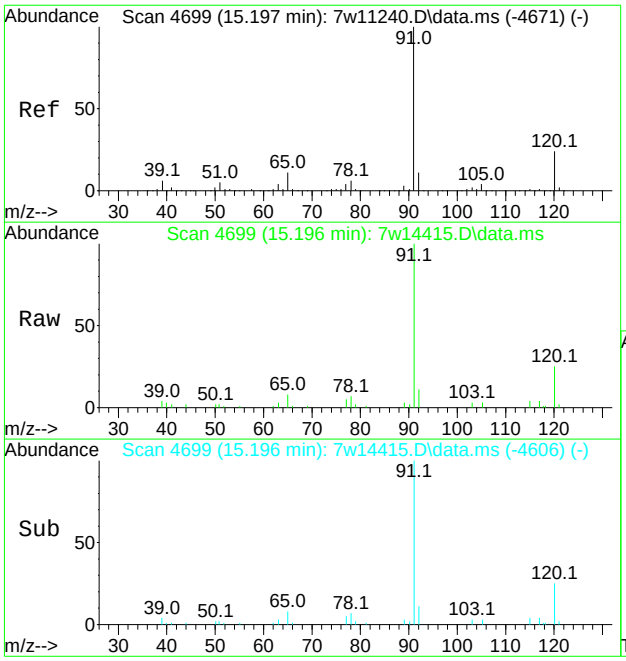


#81
O-XYLENE
Concen: 0.1742 PPBV
RT: 12.344 min Scan# 3812
Delta R.T. -0.001 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion: 91 Resp: 8171

Ion	Ratio	Lower	Upper
91	100		
106	39.8	32.7	60.7
105	15.2	13.2	24.6

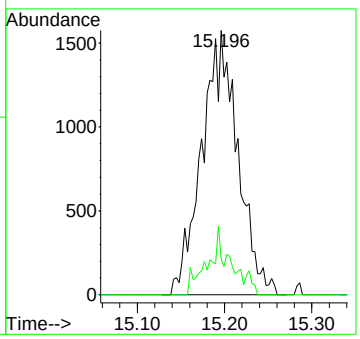


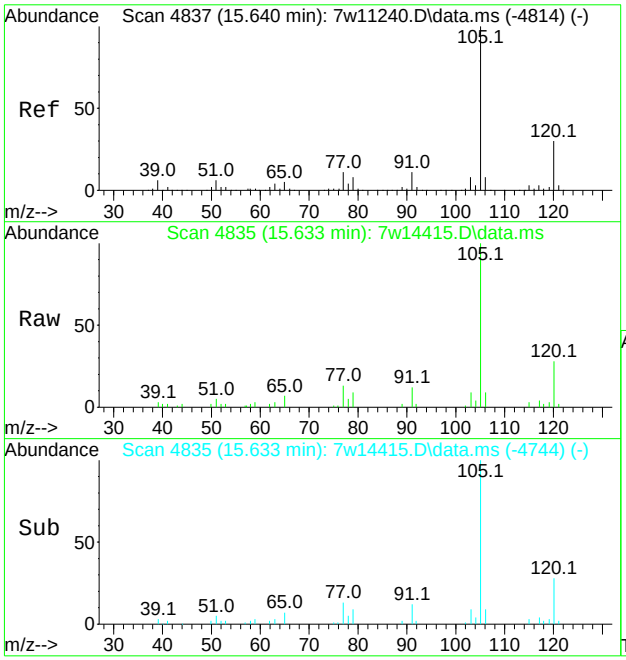


#91
N-PROPYLBENZENE
Concen: 0.2488 PPBV
RT: 15.196 min Scan# 4699
Delta R.T. -0.001 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion:120 Resp: 4518

Ion	Ratio	Lower	Upper
120	100		
105	16.5	11.3	20.9

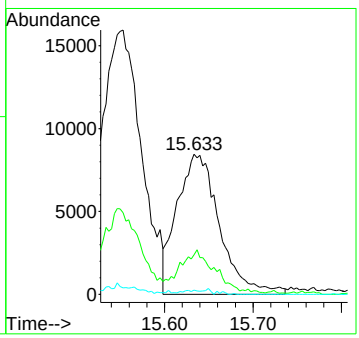


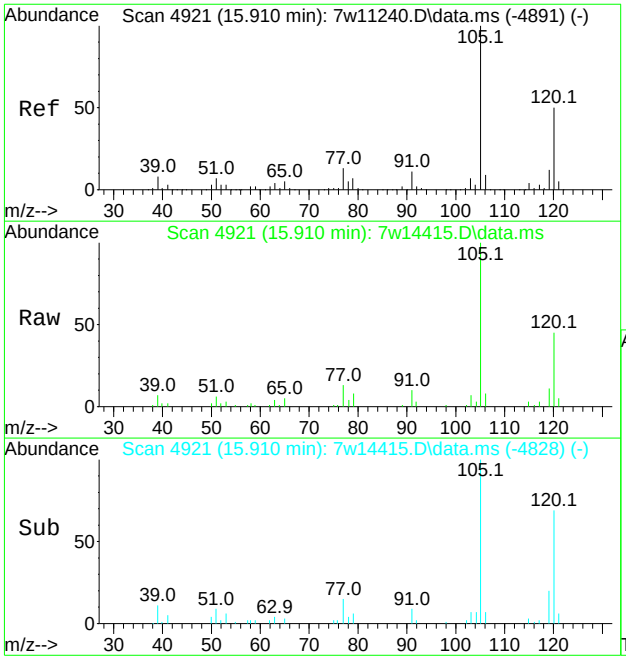


#92
4-ETHYLTOLUENE
Concen: 0.4344 PPBV m
RT: 15.633 min Scan# 4835
Delta R.T. -0.007 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion:105 Resp: 28296

Ion	Ratio	Lower	Upper
105	100		
120	56.1	21.1	39.1#
119	5.3	1.6	3.0#

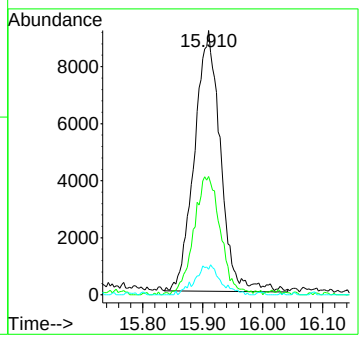


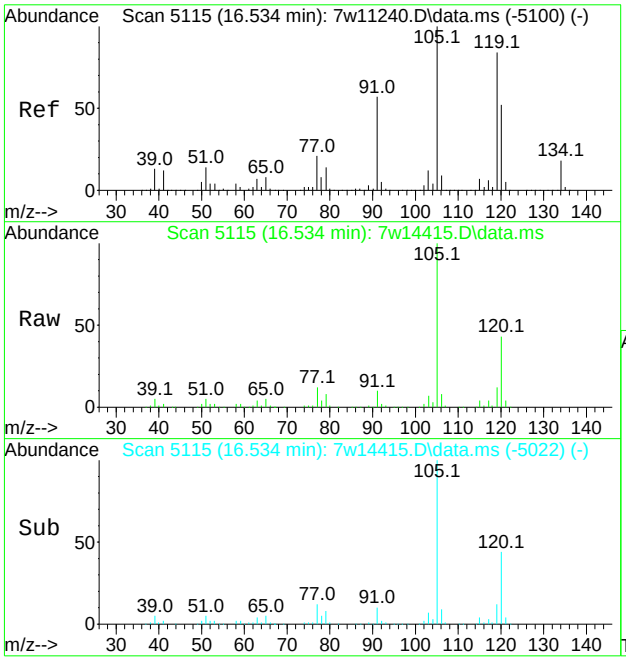


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.5044 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. -0.000 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion:105 Resp: 27649

Ion	Ratio	Lower	Upper
105	100		
120	46.5	34.9	64.7
91	11.2	7.5	13.9

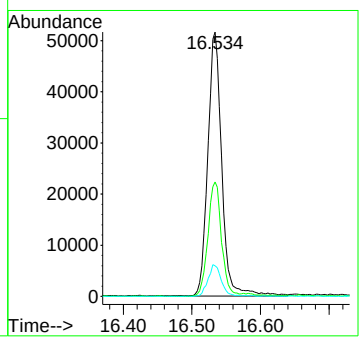


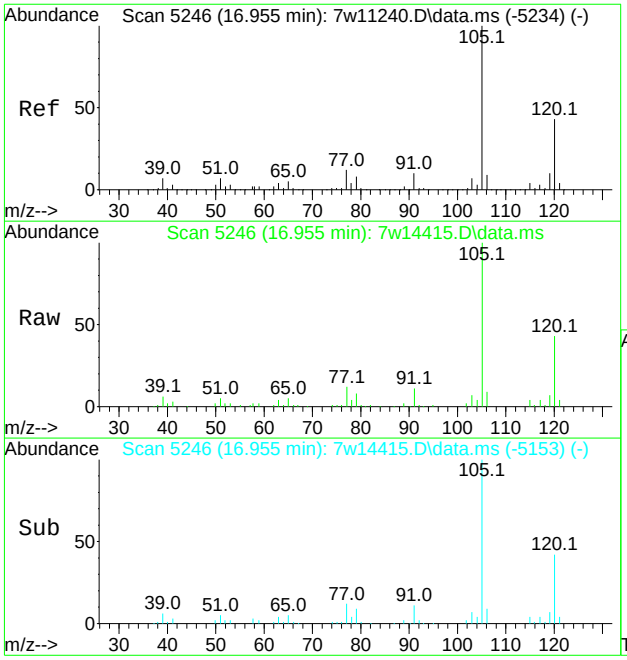


#96
1,2,4-TRIMETHYLBENZENE
Concen: 1.3259 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion:105 Resp: 73314

Ion	Ratio	Lower	Upper
105	100		
120	41.9	38.8	72.0
119	11.7	74.3	137.9#

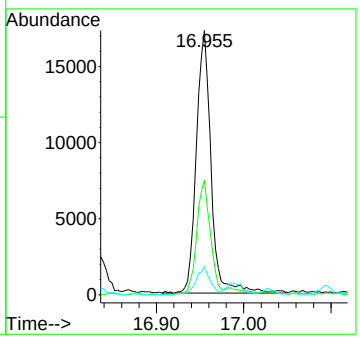




#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.3678 PPBV
RT: 16.955 min Scan# 5246
Delta R.T. -0.000 min
Lab File: 7w14415.D
Acq: 14 Apr 2025 5:43 am

Tgt Ion:105 Resp: 20371

Ion	Ratio	Lower	Upper
105	100		
120	43.6	30.2	56.2
91	10.1	7.1	13.3



Manual Integration Approval Summary

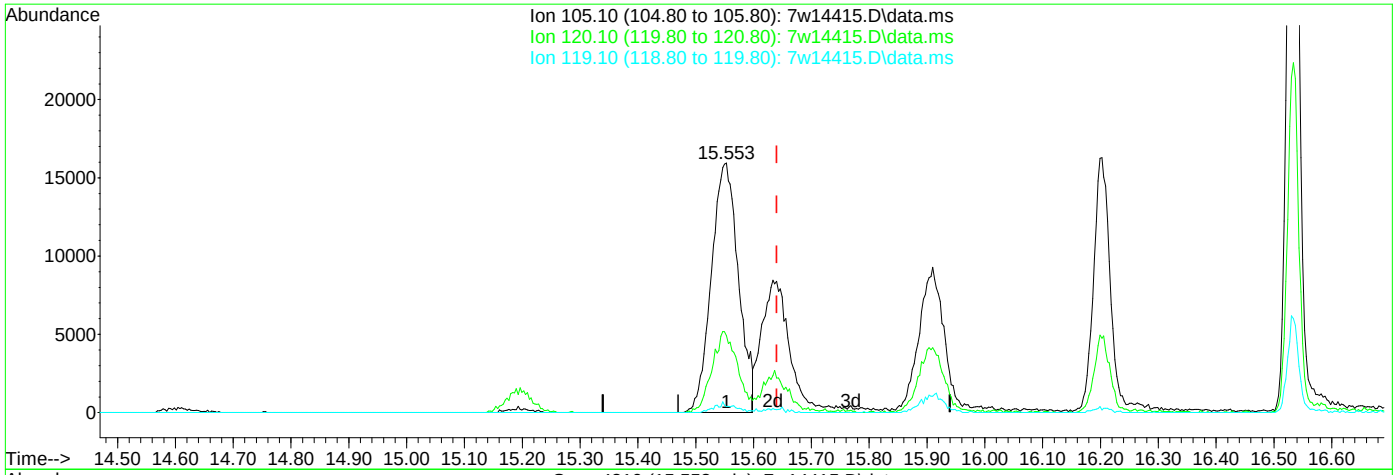
Sample Number:	JE8598-7	**Method:**	TO-15
Lab FileID:	7W14415.D	**Analyst approved:**	04/15/25 02:29 Michaella Balido
Injection Time:	04/14/25 05:43	**Supervisor approved:**	04/16/25 15:45 Kanya Veerawat

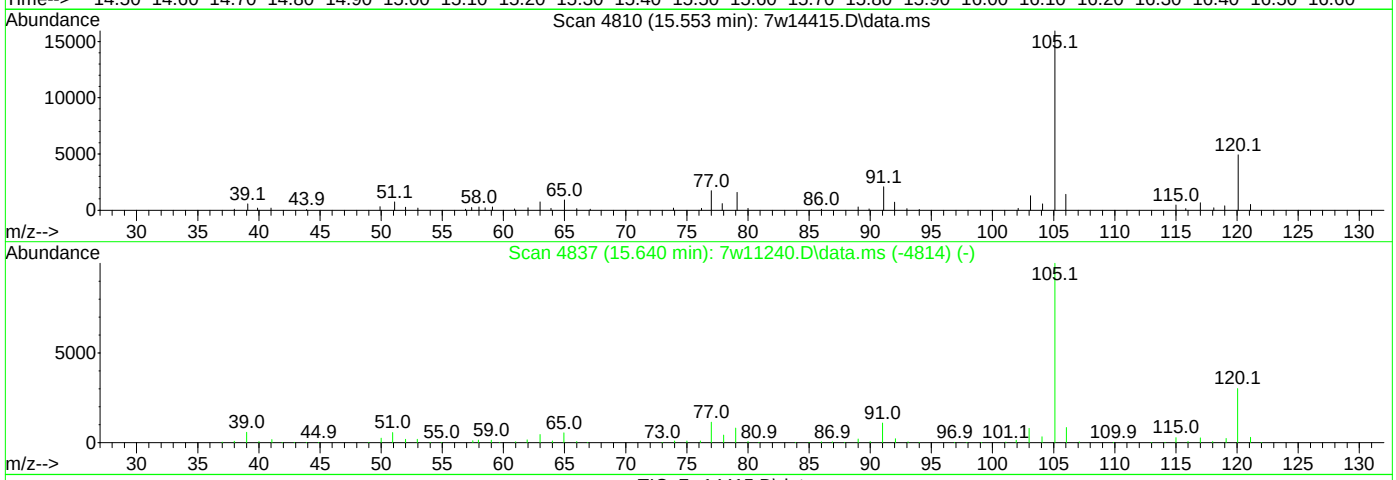
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Ethyltoluene	622-96-8		15.63	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14415.D
Acq On : 14 Apr 2025 5:43 am
Operator : benk
Sample : je8598-7 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 15 04:57:18 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration





TIC: 7w14415.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.553min (-0.087) 0.79PPBV

response 51598

Ion	Exp%	Act%
105.10	100	100
120.10	30.10	30.74
119.10	2.30	2.93
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14416.D
Acq On : 14 Apr 2025 6:28 am
Operator : benk
Sample : je8598-8 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 15 06:08:10 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

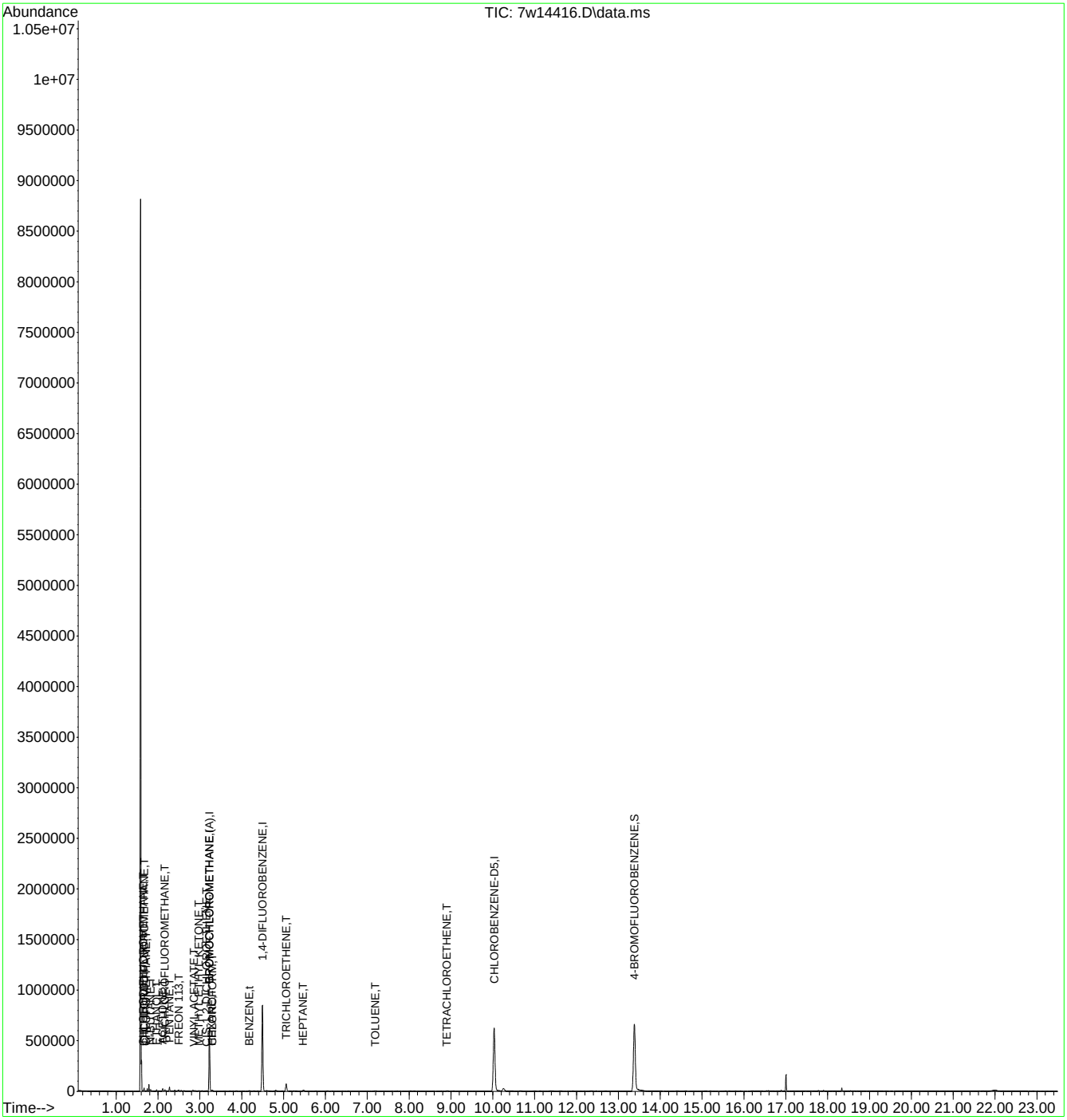
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	126598	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	649848	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	608293	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	126598	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	482750	10.94	PPBV	0.00
Target Compounds						Qvalue
4) CHLORODIFLUOROMETHANE	1.640	67	517	0.1689	PPBV #	71
6) DICHLORODIFLUOROMETHANE	1.666	85	13442	0.4259	PPBV #	91
10) CHLOROMETHANE	1.711	52	744	0.2270	PPBV	91
13) N-BUTANE	1.824	43	6460	0.3934	PPBV #	92
21) TRICHLOROFLUOROMETHANE	2.158	101	6161	0.2216	PPBV	98
23) ACETONE	2.107	58	4921	0.6690	PPBV	60
24) PENTANE	2.274	42	8516	0.7559	PPBV #	95
28) ETHANOL	1.965	45	10155	1.5817	PPBV	99
33) FREON 113	2.496	151	2093	0.1259	PPBV	98
38) HEXANE	3.280	57	2860	0.1372	PPBV #	72
39) VINYL ACETATE	2.856	86	566	0.1830	PPBV #	62
41) METHYL ETHYL KETONE	2.971	72	1834	0.3261	PPBV	60
42) CIS-1,2-DICHLOROETHENE	3.151	96	1748	0.1485	PPBV	86
46) CHLOROFORM	3.299	83	2726	0.1178	PPBV #	79
51) BENZENE	4.177	78	4688	0.1387	PPBV	88
55) TRICHLOROETHENE	5.061	95	27609	1.6714	PPBV	90
62) HEPTANE	5.463	43	3951	0.1799	PPBV #	74
66) TOLUENE	7.193	91	5256	0.1145	PPBV	94
72) TETRACHLOROETHENE	8.894	164	1617	0.0929	PPBV	95

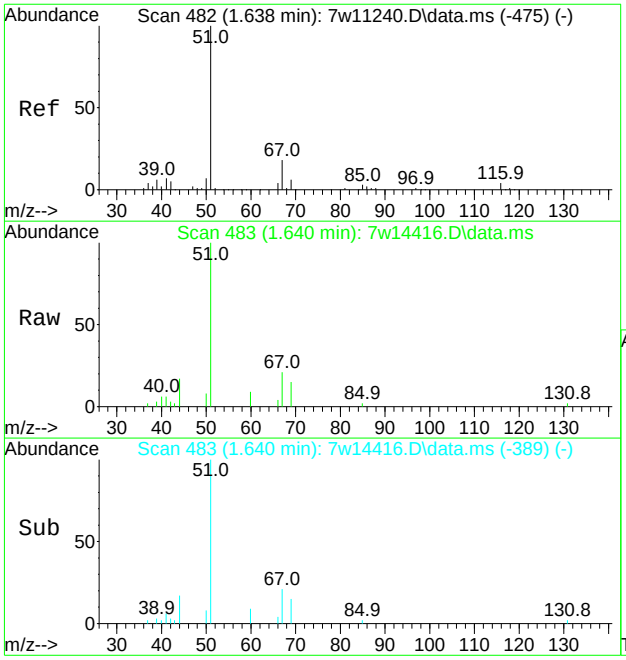
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14416.D
Acq On : 14 Apr 2025 6:28 am
Operator : benk
Sample : je8598-8 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 15 06:08:10 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

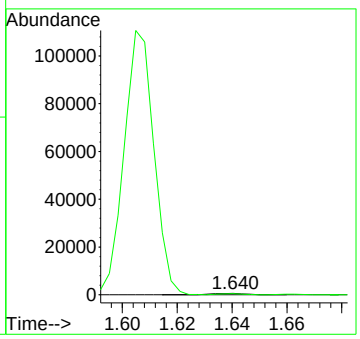


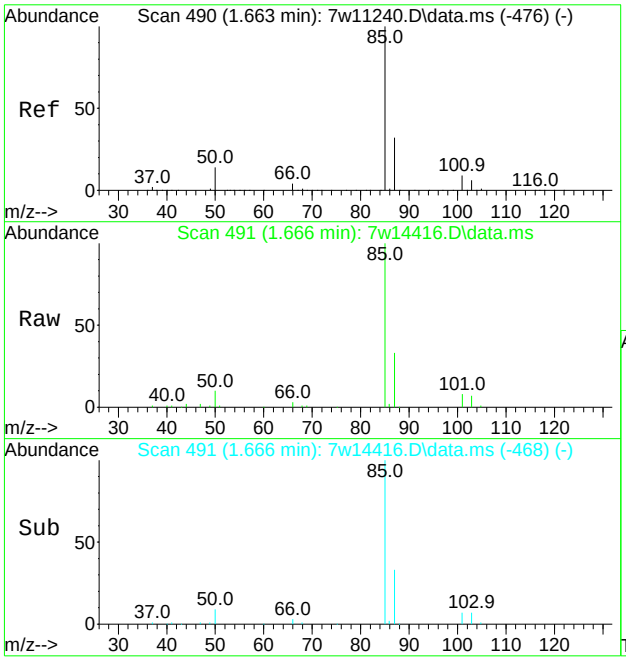


#4
CHLORODIFLUOROMETHANE
Concen: 0.1689 PPBV
RT: 1.640 min Scan# 483
Delta R.T. 0.002 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 67 Resp: 517

Ion	Ratio	Lower	Upper
67	100		
69	51.8	24.4	45.4#

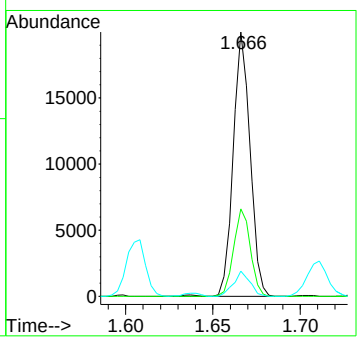


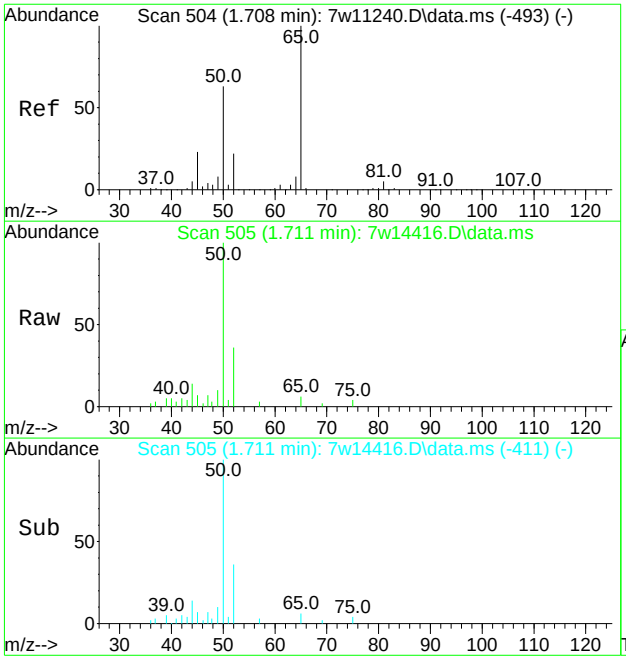


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4259 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 85 Resp: 13442

Ion	Ratio	Lower	Upper
85	100		
87	32.7	22.5	41.7
50	9.3	13.8	25.6#

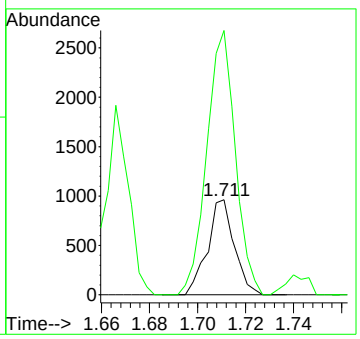


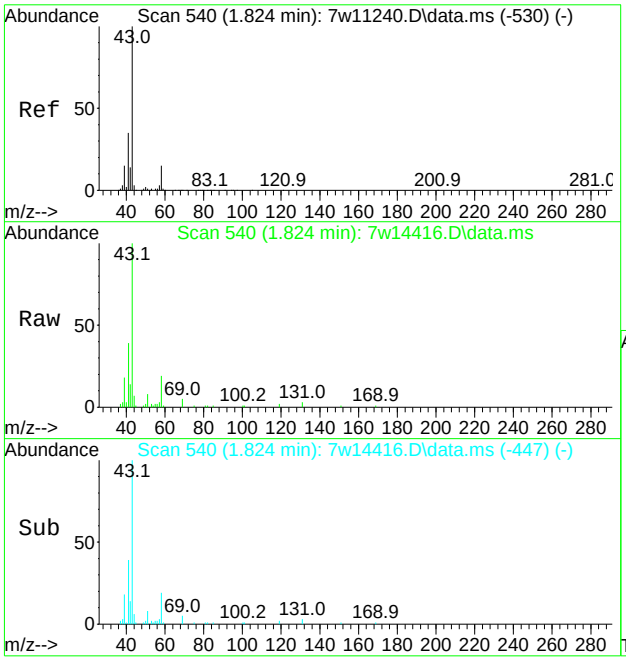


#10
CHLOROMETHANE
Concen: 0.2270 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 52 Resp: 744

Ion	Ratio	Lower	Upper
52	100		
50	296.0	220.1	408.8

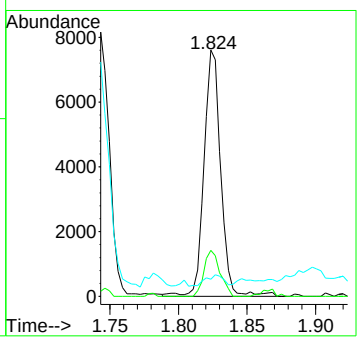


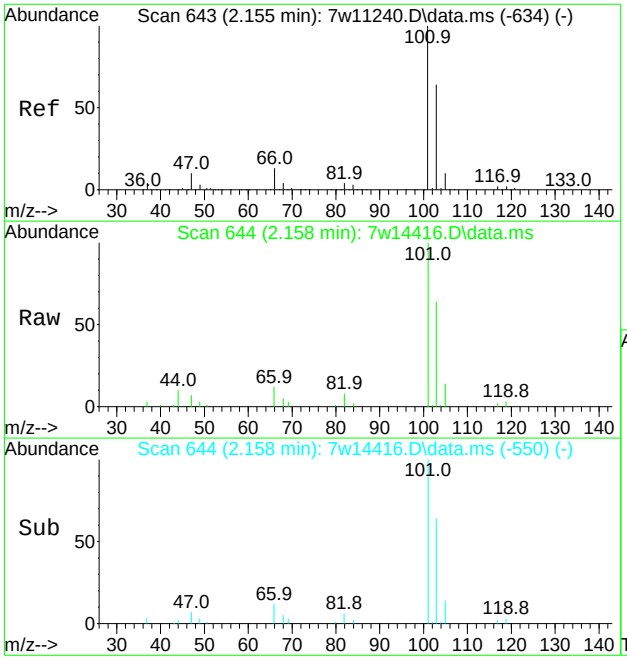


#13
N-BUTANE
Concen: 0.3934 PPBV
RT: 1.824 min Scan# 540
Delta R.T. -0.000 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 43 Resp: 6460

Ion	Ratio	Lower	Upper
43	100		
58	17.7	10.4	19.2
44	7.4	3.0	5.6#

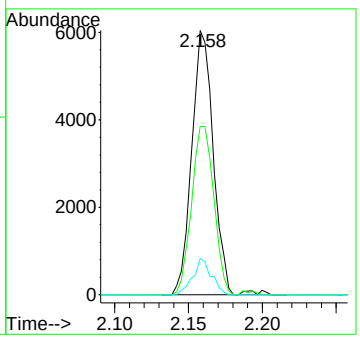


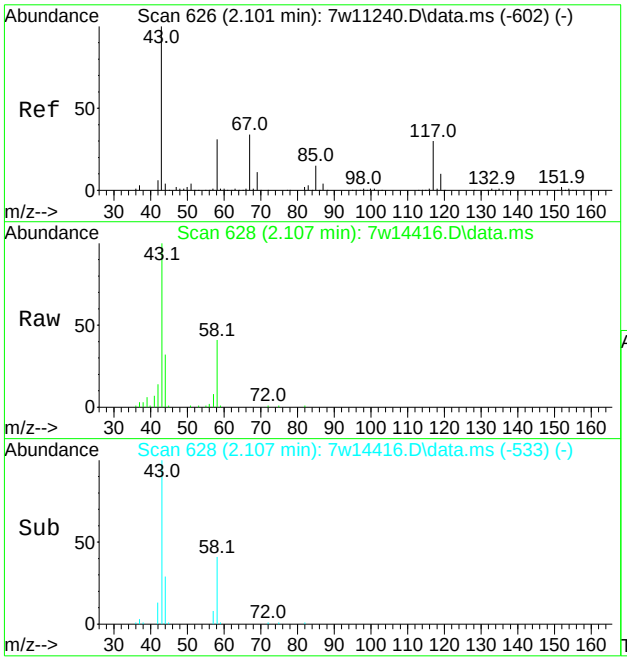


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2216 PPBV
RT: 2.158 min Scan# 644
Delta R.T. 0.003 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion:101 Resp: 6161

Ion	Ratio	Lower	Upper
101	100		
103	65.4	44.9	83.5
105	11.8	7.3	13.5

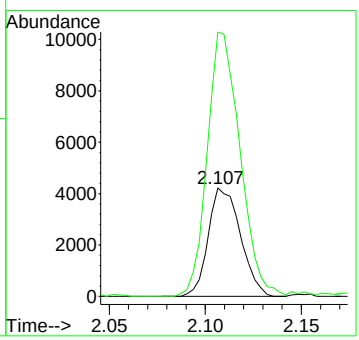


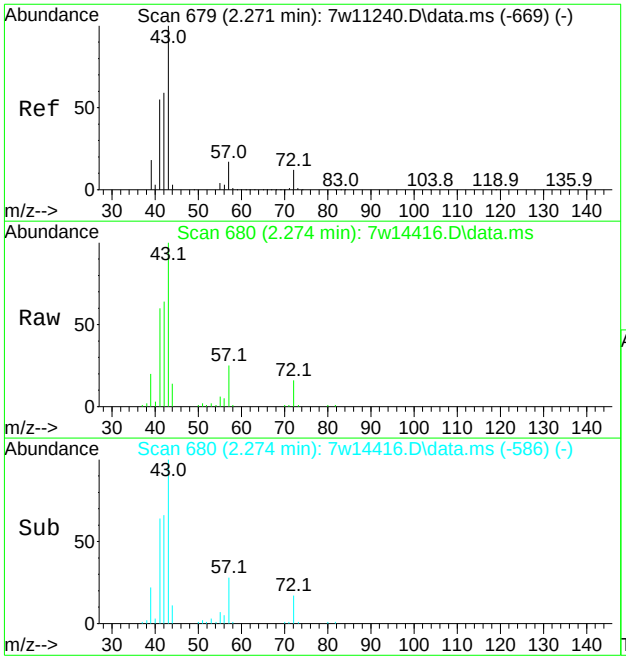


#23
ACETONE
Concen: 0.6690 PPBV
RT: 2.107 min Scan# 628
Delta R.T. 0.006 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 58 Resp: 4921

Ion	Ratio	Lower	Upper
58	100		
43	249.5	234.4	435.2

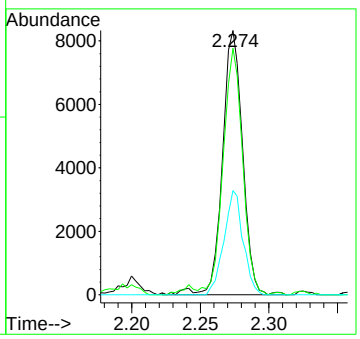


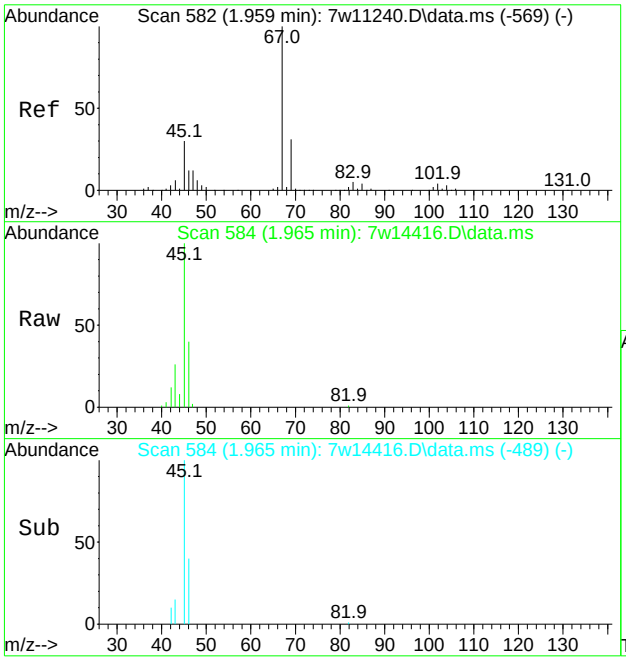


#24
PENTANE
Concen: 0.7559 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 42 Resp: 8516

Ion	Ratio	Lower	Upper
42	100		
41	93.2	64.8	120.3
57	37.4	19.7	36.7#

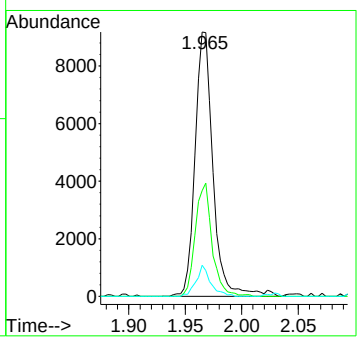


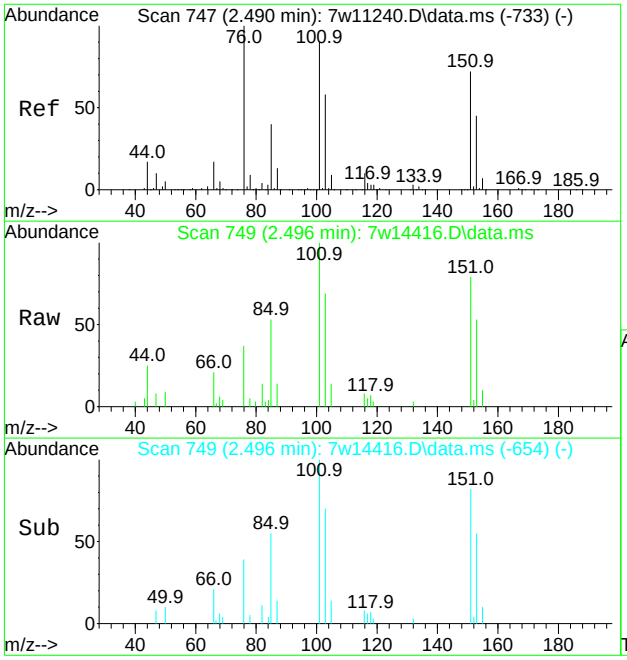


#28
ETHANOL
Concen: 1.5817 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 45 Resp: 10155

Ion	Ratio	Lower	Upper
45	100		
46	39.9	28.6	53.0
42	9.5	6.3	11.7

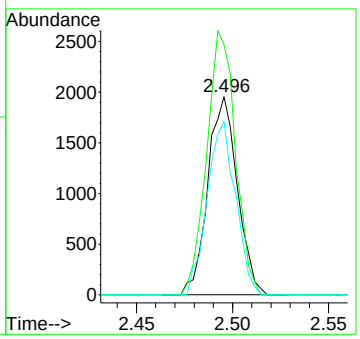


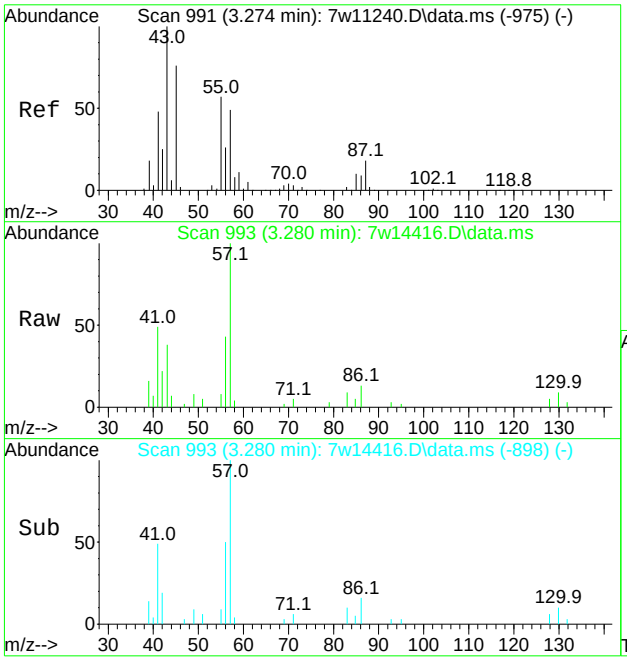


#33
FREON 113
Concen: 0.1259 PPBV
RT: 2.496 min Scan# 749
Delta R.T. 0.006 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion:151 Resp: 2093

Ion	Ratio	Lower	Upper
151	100		
101	129.6	89.3	165.9
103	84.0	57.5	106.9

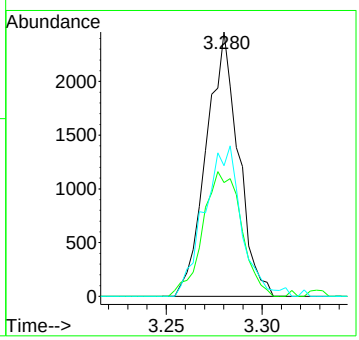


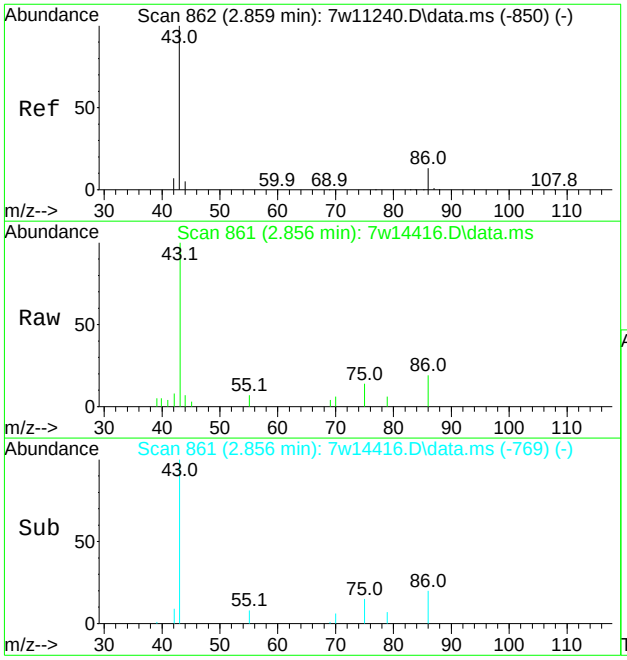


#38
HEXANE
Concen: 0.1372 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 57 Resp: 2860

Ion	Ratio	Lower	Upper
57	100		
56	56.6	37.8	70.2
41	66.4	75.9	140.9#

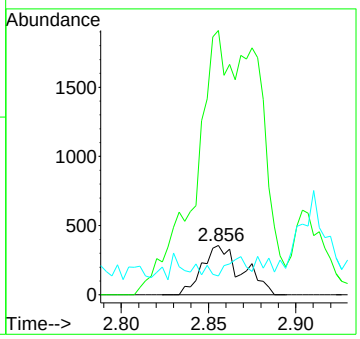


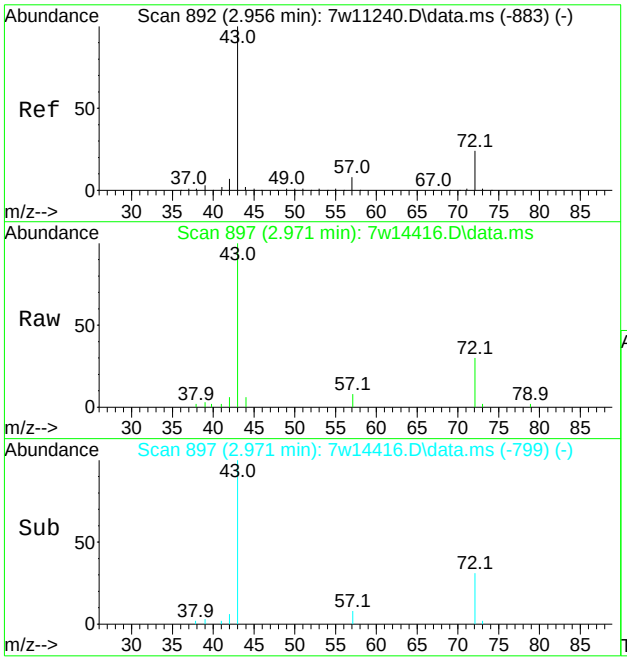


#39
VINYL ACETATE
Concen: 0.1830 PPBV
RT: 2.856 min Scan# 861
Delta R.T. -0.003 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 86 Resp: 566

Ion	Ratio	Lower	Upper
86	100		
43	864.1	719.4	1336.0
44	0.0	34.6	64.2#

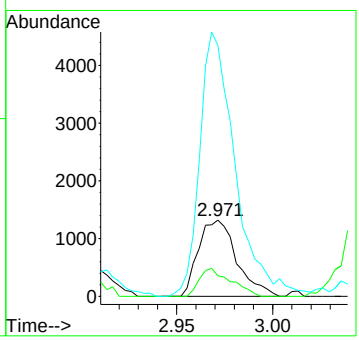


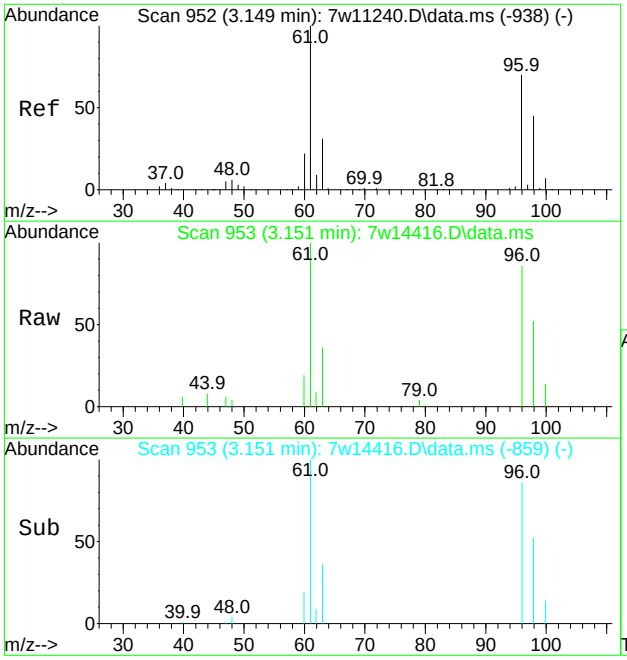


#41
METHYL ETHYL KETONE
Concen: 0.3261 PPBV
RT: 2.971 min Scan# 897
Delta R.T. 0.015 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 72 Resp: 1834

Ion	Ratio	Lower	Upper
72	100		
57	30.3	25.3	46.9
43	321.7	299.6	556.4

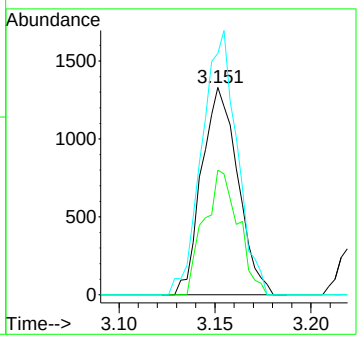


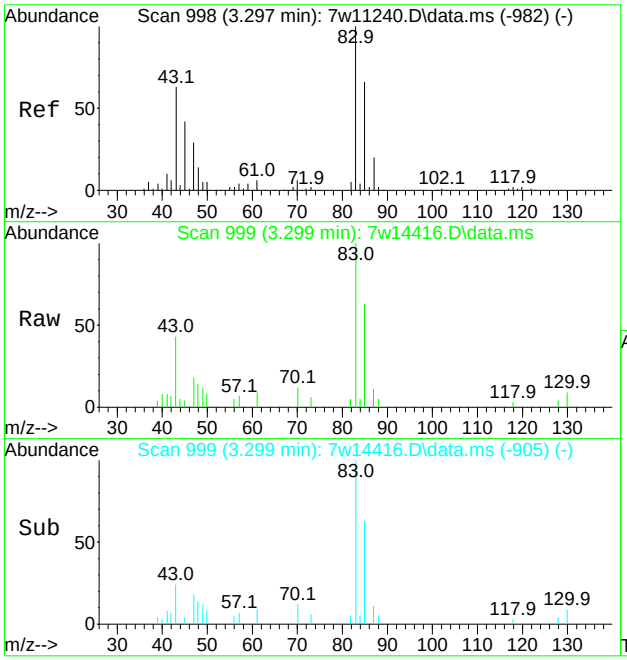


#42
CIS-1,2-DICHLOROETHENE
Concen: 0.1485 PPBV
RT: 3.151 min Scan# 953
Delta R.T. 0.002 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 96 Resp: 1748

Ion	Ratio	Lower	Upper
96	100		
98	56.5	44.8	83.2
61	123.8	100.0	185.8

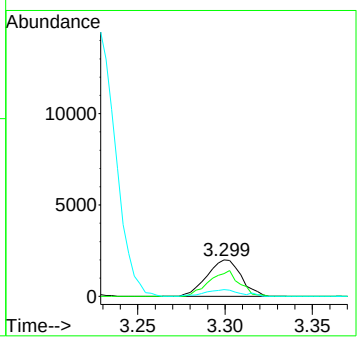


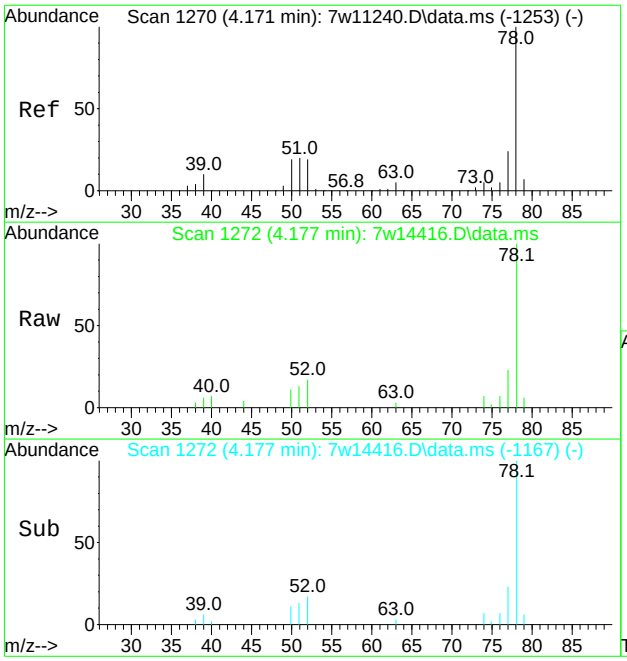


#46
CHLOROFORM
Concen: 0.1178 PPBV
RT: 3.299 min Scan# 999
Delta R.T. 0.002 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 83 Resp: 2726

Ion	Ratio	Lower	Upper
83	100		
85	62.1	57.0	105.9
47	19.4	20.9	38.7#

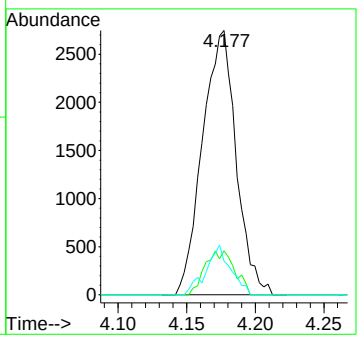


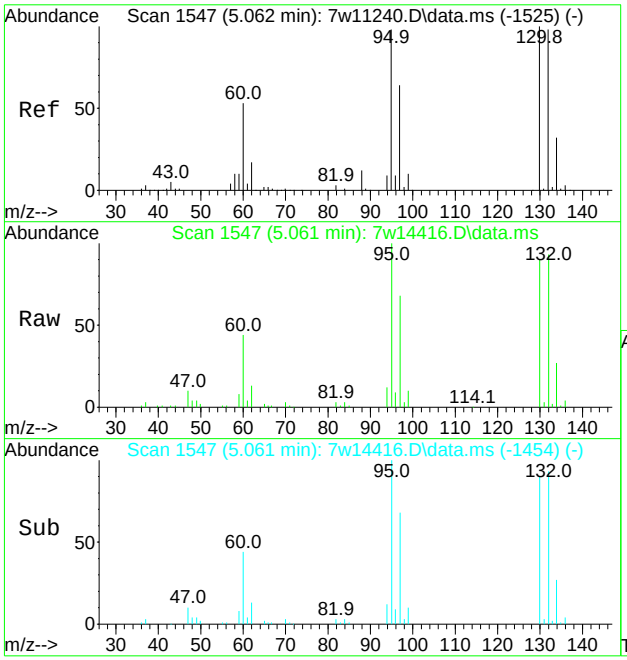


#51
BENZENE
Concen: 0.1387 PPBV
RT: 4.177 min Scan# 1272
Delta R.T. 0.006 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 78 Resp: 4688

Ion	Ratio	Lower	Upper
78	100		
52	14.7	0.0	48.9
51	13.7	0.0	50.2

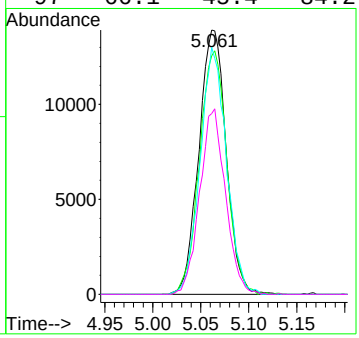


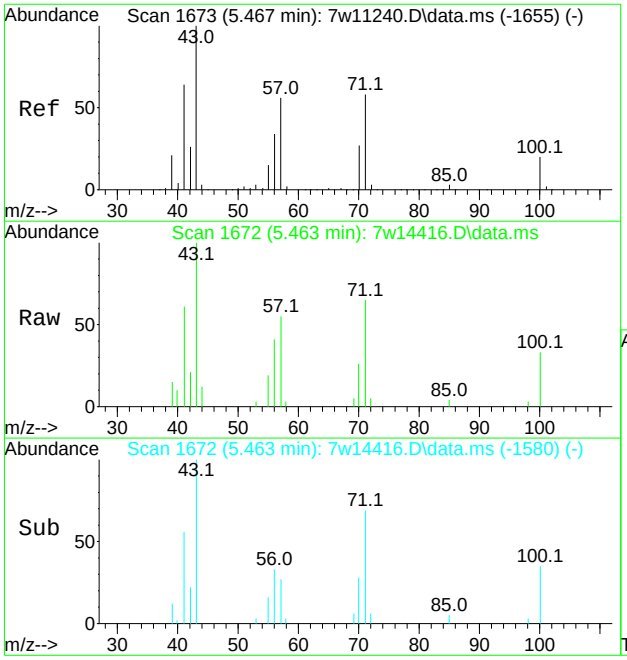


#55
TRICHLOROETHENE
Concen: 1.6714 PPBV
RT: 5.061 min Scan# 1547
Delta R.T. -0.001 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 95 Resp: 27609

Ion	Ratio	Lower	Upper
95	100		
130	92.2	72.8	135.2
132	89.7	71.9	133.5
97	66.1	45.4	84.2

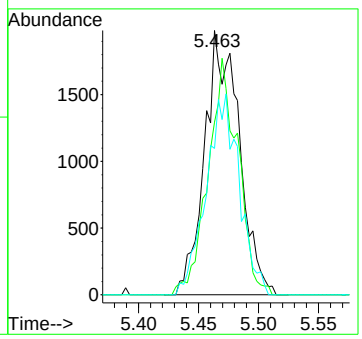


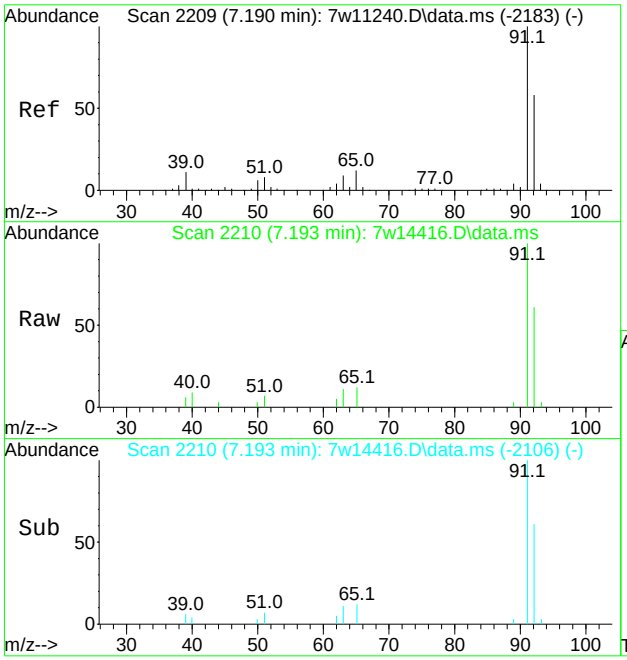


#62
HEPTANE
Concen: 0.1799 PPBV
RT: 5.463 min Scan# 1672
Delta R.T. -0.004 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 43 Resp: 3951

Ion	Ratio	Lower	Upper
43	100		
71	77.9	40.0	74.4#
57	72.9	38.9	72.2#

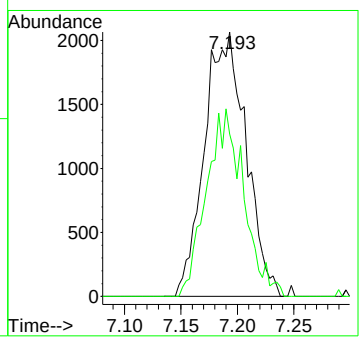


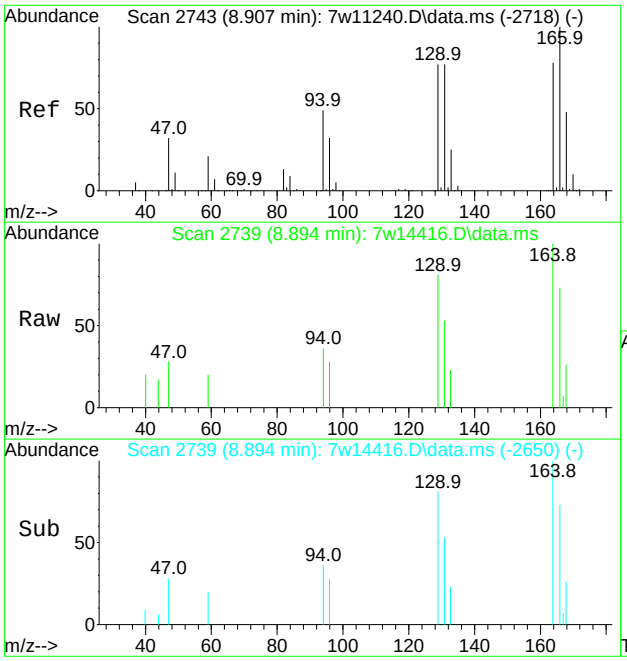


#66
TOLUENE
Concen: 0.1145 PPBV
RT: 7.193 min Scan# 2210
Delta R.T. 0.003 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion: 91 Resp: 5256

Ion	Ratio	Lower	Upper
91	100		
92	63.5	29.0	89.0

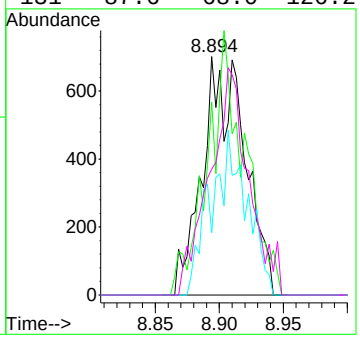




#72
TETRACHLOROETHENE
Concen: 0.0929 PPBV
RT: 8.894 min Scan# 2739
Delta R.T. -0.013 min
Lab File: 7w14416.D
Acq: 14 Apr 2025 6:28 am

Tgt Ion:164 Resp: 1617

Ion	Ratio	Lower	Upper
164	100		
129	96.4	68.9	127.9
168	58.5	42.3	78.5
131	87.6	68.0	126.2



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14417.D
Acq On : 14 Apr 2025 7:12 am
Operator : benk
Sample : je8598-9 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 15 06:10:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

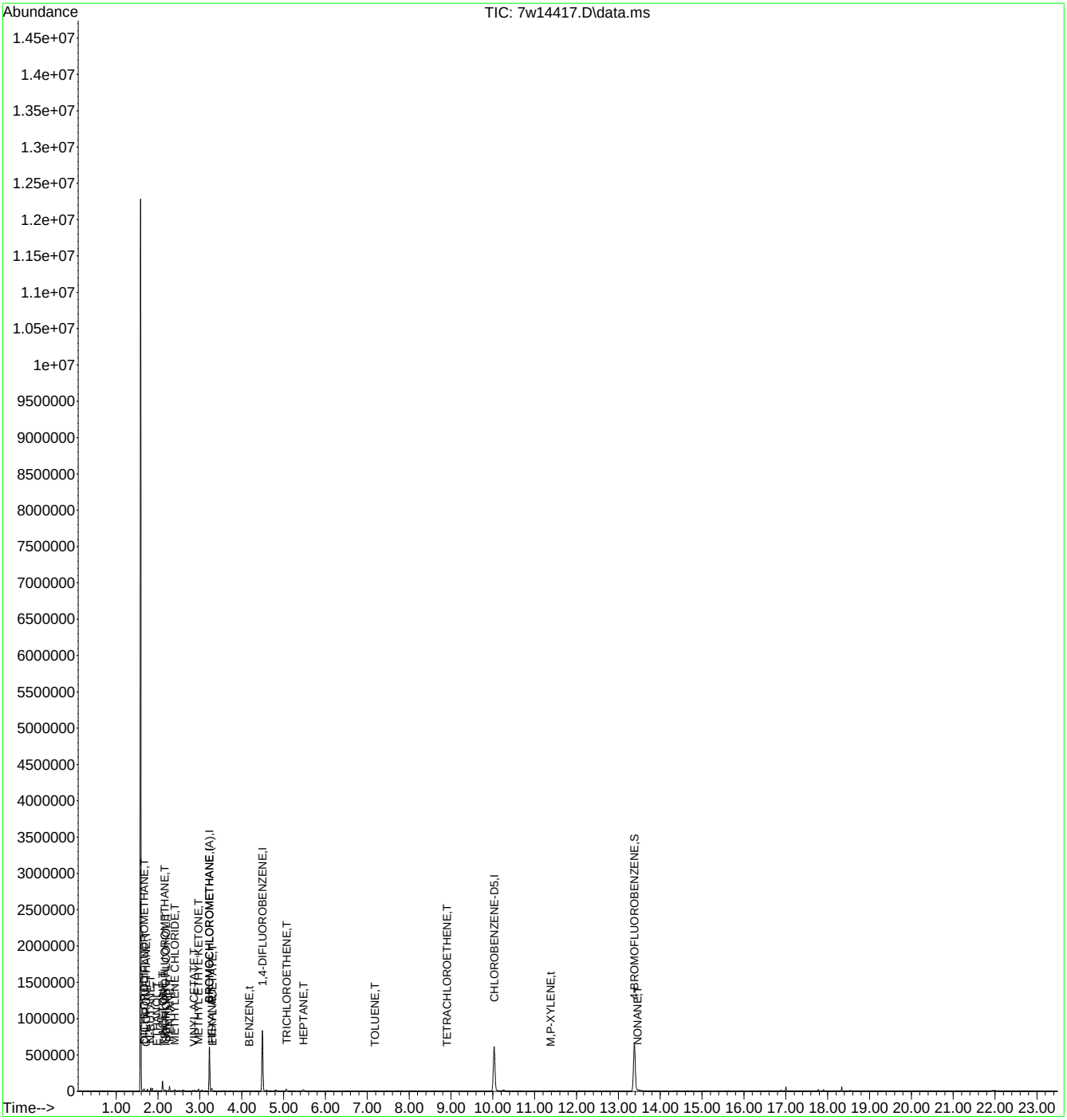
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	124668	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	637226	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	580997	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	124668	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	467674	11.09	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.666	85	13287	0.4275	PPBV #	91
10) CHLOROMETHANE	1.711	52	700	0.2169	PPBV	82
13) N-BUTANE	1.827	43	17716	1.0957	PPBV #	90
21) TRICHLOROFLUOROMETHANE	2.161	101	6064	0.2215	PPBV	98
22) ISOPROPYL ALCOHOL	2.187	45	6972	0.3019	PPBV #	85
23) ACETONE	2.107	58	35284	4.8712	PPBV	54
24) PENTANE	2.277	42	14244	1.2840	PPBV	94
28) ETHANOL	1.968	45	9372	1.4824	PPBV	94
31) METHYLENE CHLORIDE	2.399	84	4113	0.4168	PPBV #	74
38) HEXANE	3.280	57	13915	0.6777	PPBV #	68
39) VINYL ACETATE	2.856	86	784	0.2574	PPBV #	80
41) METHYL ETHYL KETONE	2.965	72	7741	1.3976	PPBV #	51
44) ETHYL ACETATE	3.303	61	1013	0.2575	PPBV #	61
51) BENZENE	4.177	78	5085	0.1527	PPBV	90
55) TRICHLOROETHENE	5.068	95	11626	0.7177	PPBV	90
62) HEPTANE	5.473	43	7635	0.3546	PPBV #	75
66) TOLUENE	7.187	91	6541	0.1453	PPBV	100
72) TETRACHLOROETHENE	8.907	164	1417	0.0831	PPBV	96
80) M,P-XYLENE	11.383	91	5354	0.1194	PPBV	83
83) NONANE	13.460	43	3240	0.1047	PPBV	93

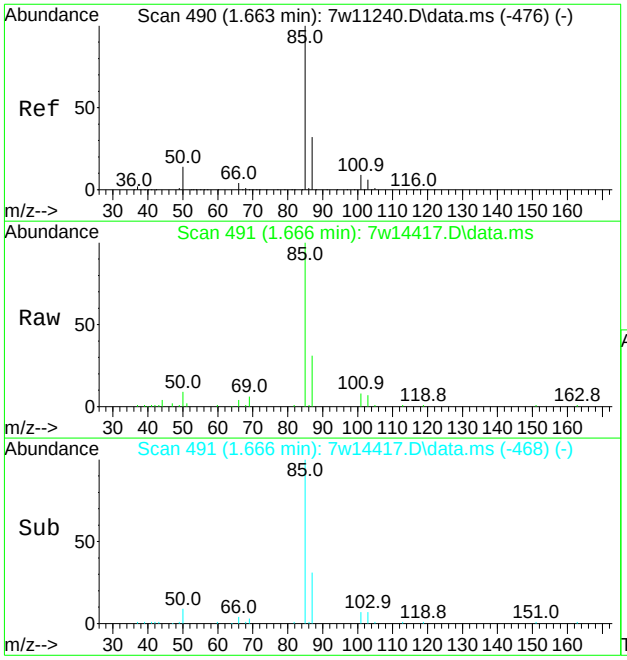
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14417.D
Acq On : 14 Apr 2025 7:12 am
Operator : benk
Sample : je8598-9 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 15 06:10:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

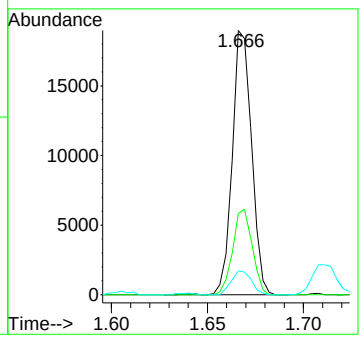


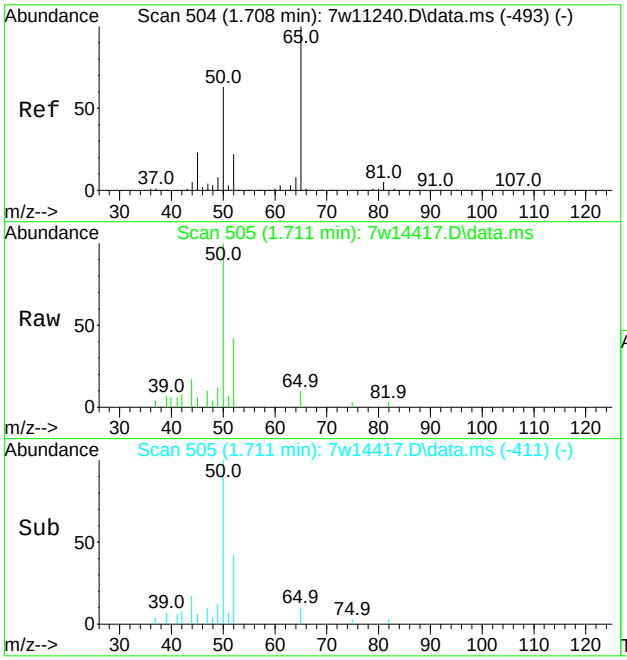


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4275 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 85 Resp: 13287

Ion	Ratio	Lower	Upper
85	100		
87	32.7	22.5	41.7
50	9.4	13.8	25.6#

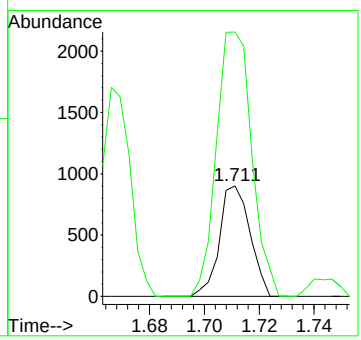


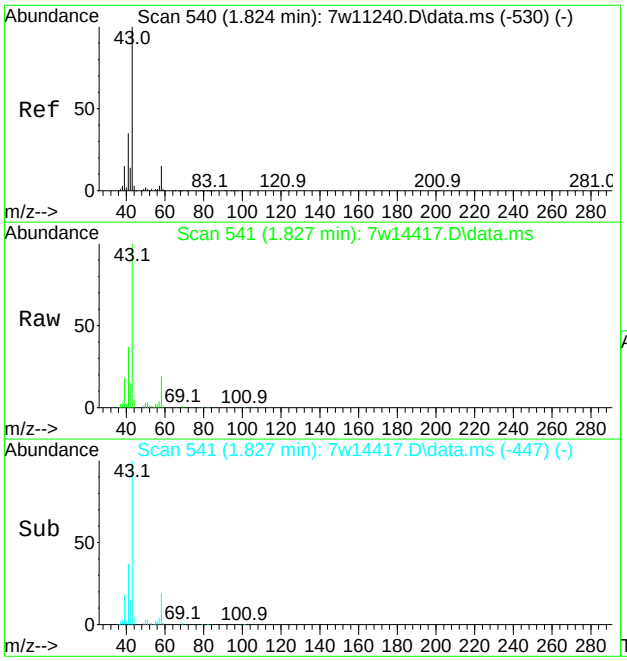


#10
CHLOROMETHANE
Concen: 0.2169 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 52 Resp: 700

Ion	Ratio	Lower	Upper
52	100		
50	278.4	220.1	408.8

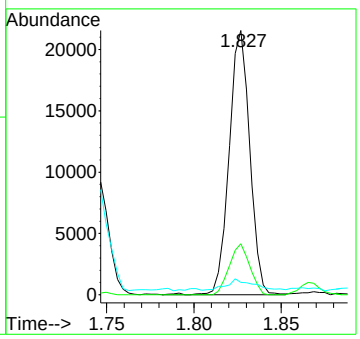


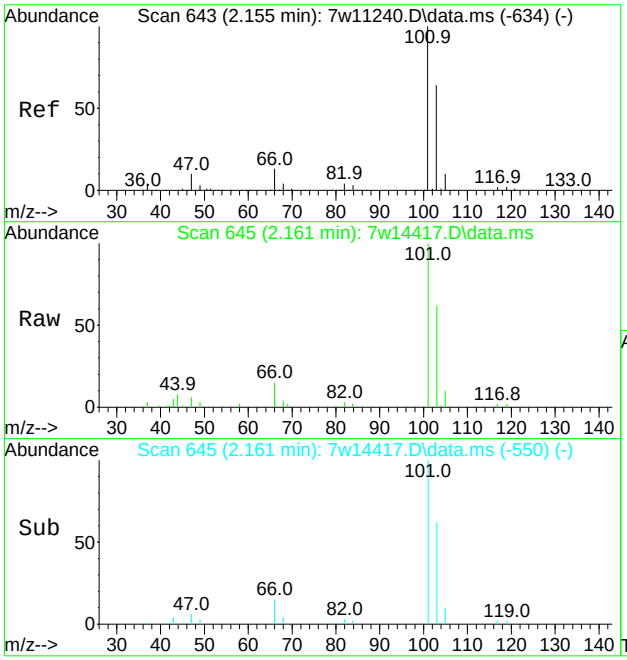


#13
N-BUTANE
Concen: 1.0957 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 43 Resp: 17716

Ion	Ratio	Lower	Upper
43	100		
58	19.1	10.4	19.2
44	6.9	3.0	5.6#

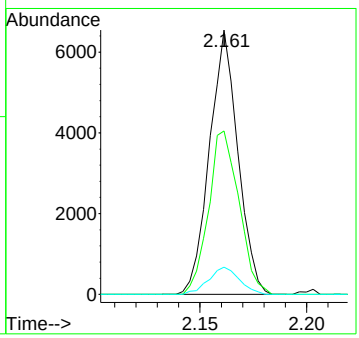


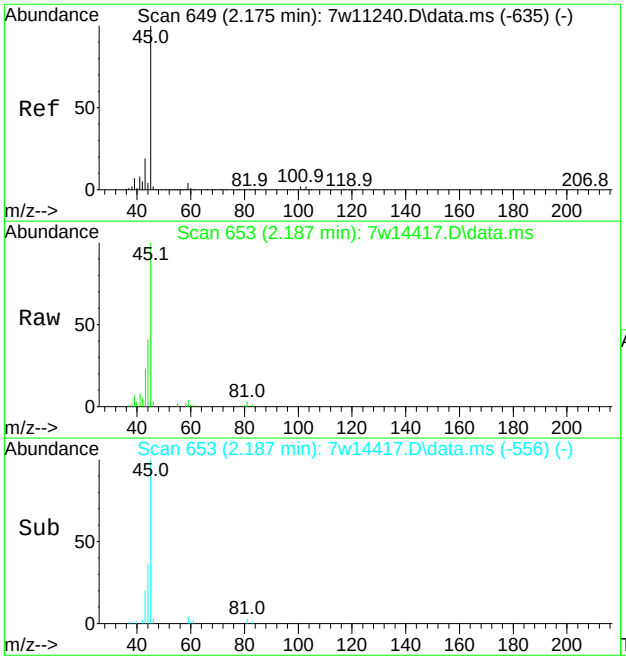


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2215 PPBV
RT: 2.161 min Scan# 645
Delta R.T. 0.006 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion:101 Resp: 6064

Ion	Ratio	Lower	Upper
101	100		
103	66.1	44.9	83.5
105	11.1	7.3	13.5

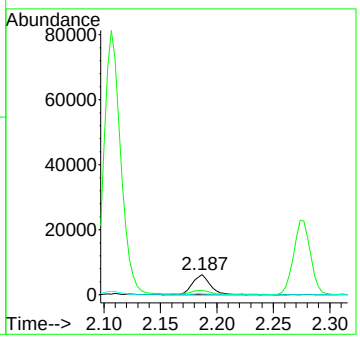


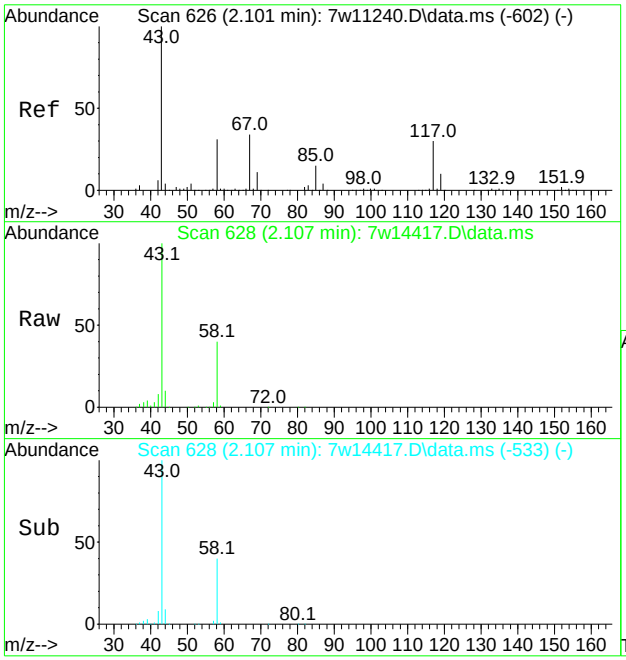


#22
ISOPROPYL ALCOHOL
Concen: 0.3019 PPBV
RT: 2.187 min Scan# 653
Delta R.T. 0.012 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 45 Resp: 6972

Ion	Ratio	Lower	Upper
45	100		
43	27.8	13.9	25.9#
59	5.1	2.8	5.2

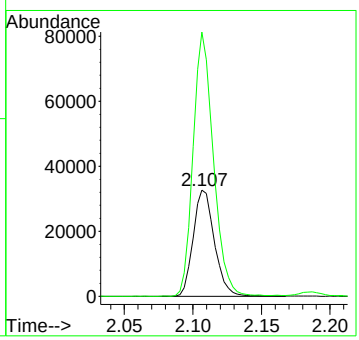


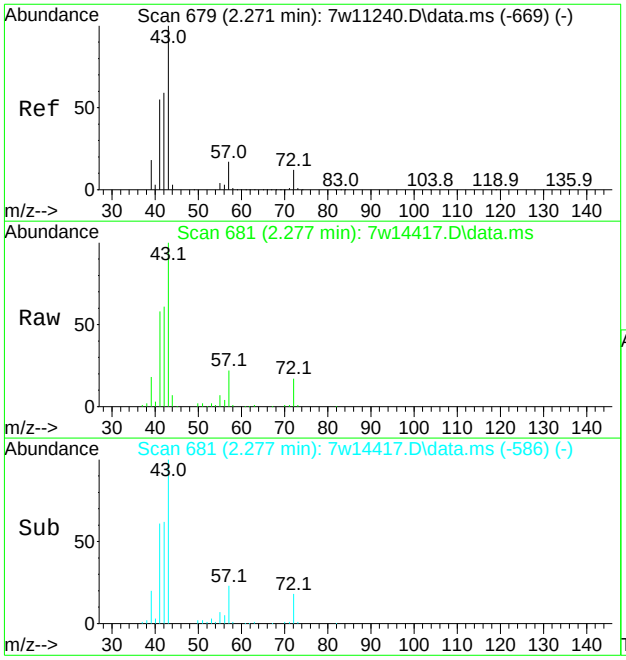


#23
ACETONE
Concen: 4.8712 PPBV
RT: 2.107 min Scan# 628
Delta R.T. 0.006 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 58 Resp: 35284

Ion	Ratio	Lower	Upper
58	100		
43	237.6	234.4	435.2

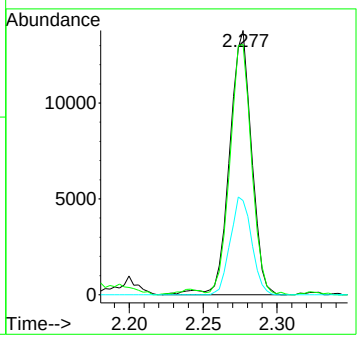


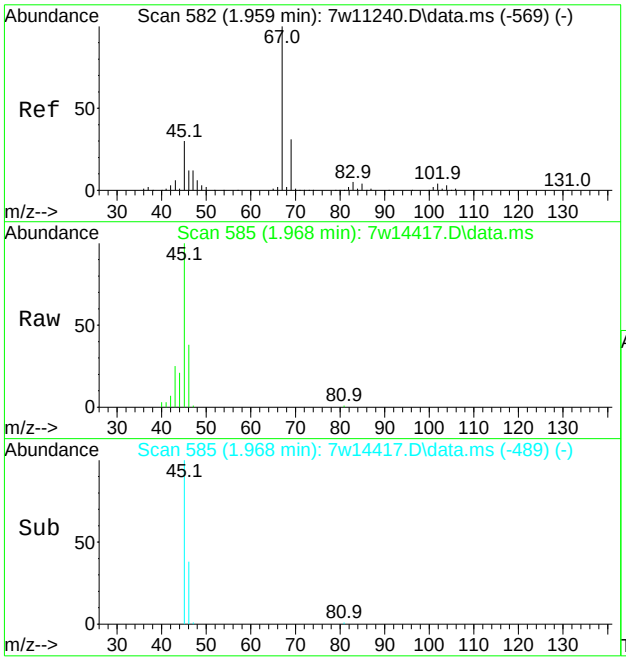


#24
PENTANE
Concen: 1.2840 PPBV
RT: 2.277 min Scan# 681
Delta R.T. 0.006 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 42 Resp: 14244

Ion	Ratio	Lower	Upper
42	100		
41	95.5	64.8	120.3
57	35.8	19.7	36.7

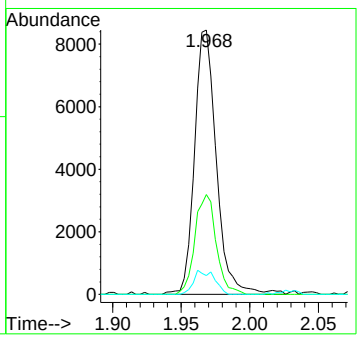


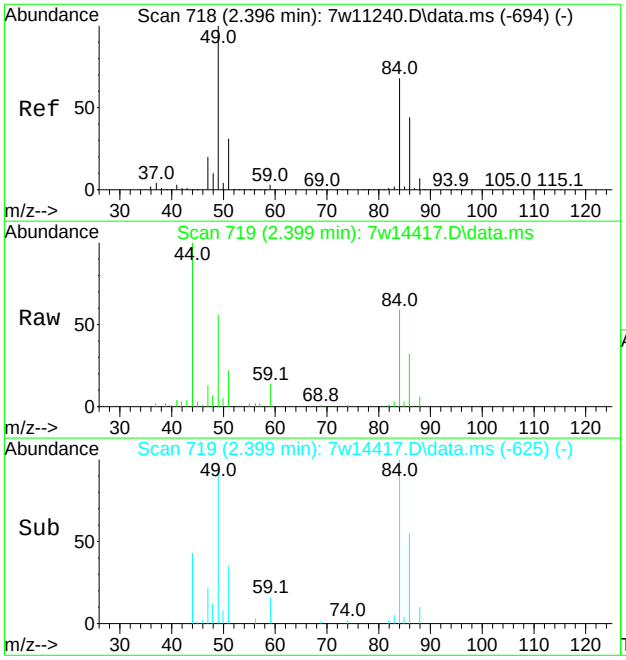


#28
ETHANOL
Concen: 1.4824 PPBV
RT: 1.968 min Scan# 585
Delta R.T. 0.009 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 45 Resp: 9372

Ion	Ratio	Lower	Upper
45	100		
46	36.7	28.6	53.0
42	8.6	6.3	11.7

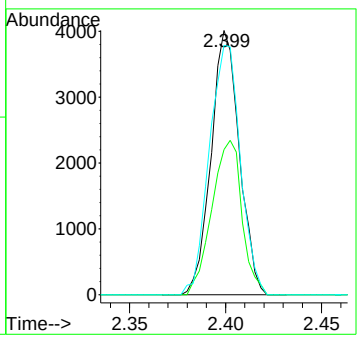


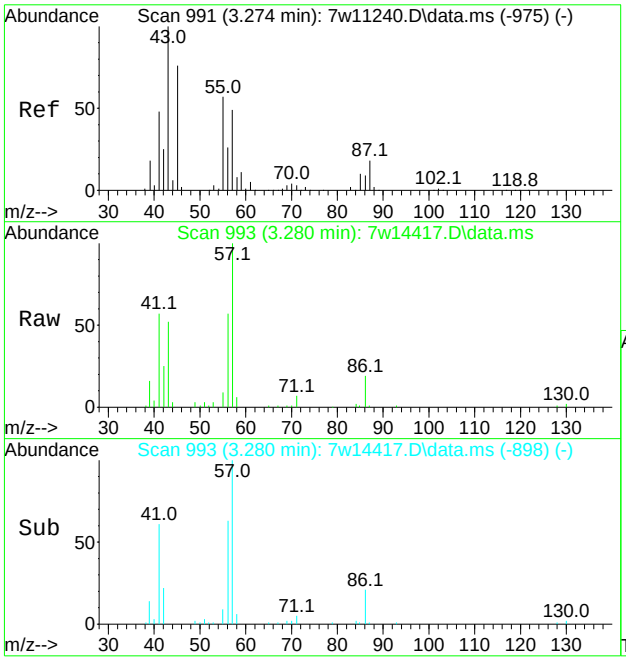


#31
METHYLENE CHLORIDE
Concen: 0.4168 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 84 Resp: 4113

Ion	Ratio	Lower	Upper
84	100		
86	62.1	46.0	85.4
49	103.5	103.9	192.9#

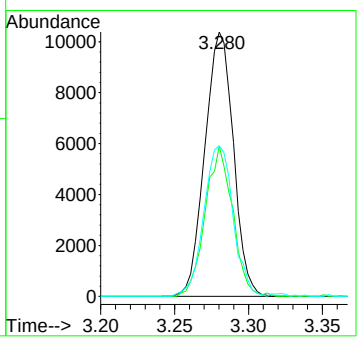


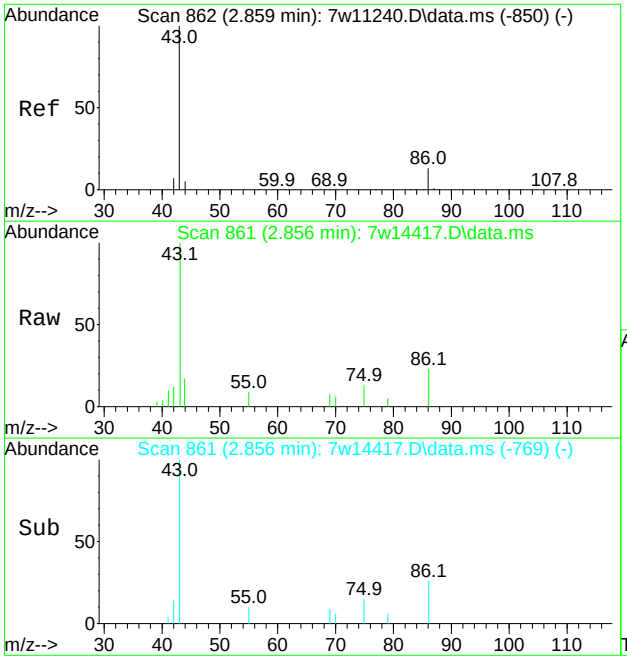


#38
HEXANE
Concen: 0.6777 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 57 Resp: 13915

Ion	Ratio	Lower	Upper
57	100		
56	54.4	37.8	70.2
41	58.3	75.9	140.9#

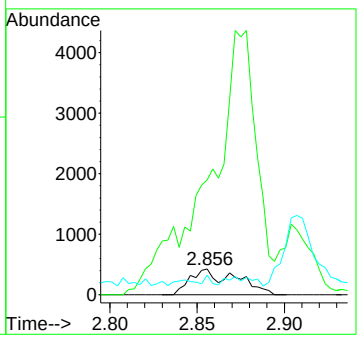


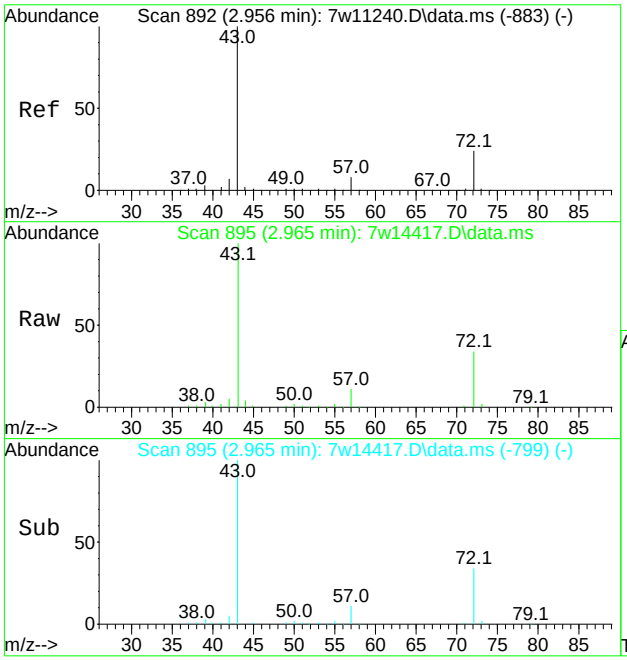


#39
VINYL ACETATE
Concen: 0.2574 PPBV
RT: 2.856 min Scan# 861
Delta R.T. -0.003 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 86 Resp: 784

Ion	Ratio	Lower	Upper
86	100		
43	1117.6	719.4	1336.0
44	25.1	34.6	64.2#

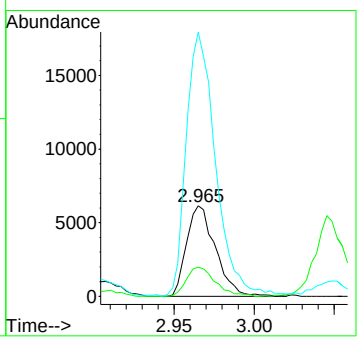


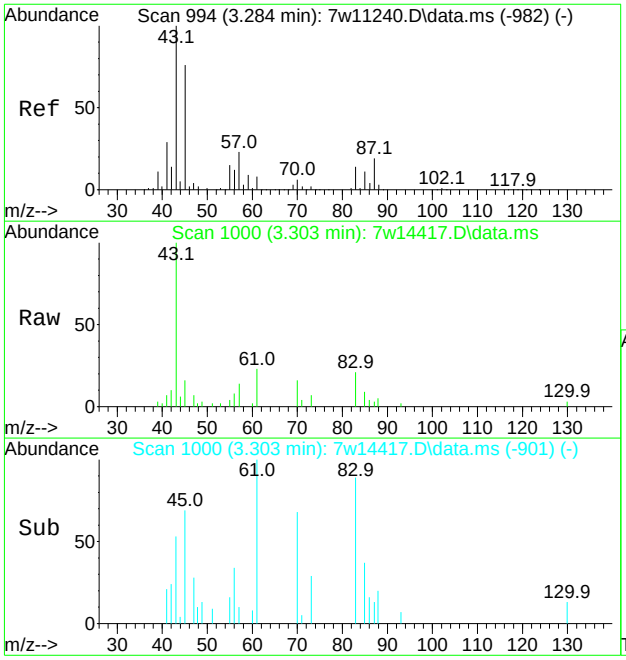


#41
METHYL ETHYL KETONE
Concen: 1.3976 PPBV
RT: 2.965 min Scan# 895
Delta R.T. 0.009 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 72 Resp: 7741

Ion	Ratio	Lower	Upper
72	100		
57	32.4	25.3	46.9
43	296.3	299.6	556.4#

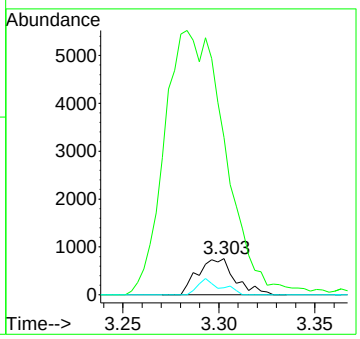


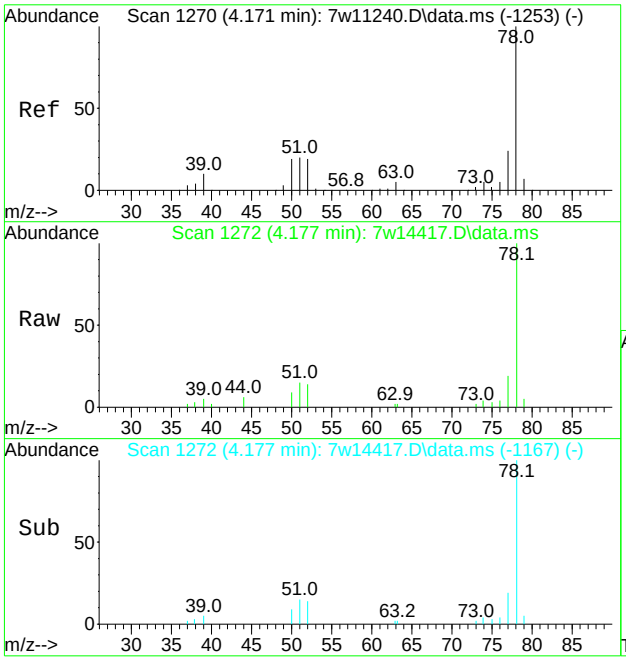


#44
ETHYL ACETATE
Concen: 0.2575 PPBV
RT: 3.303 min Scan# 1000
Delta R.T. 0.019 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 61 Resp: 1013

Ion	Ratio	Lower	Upper
61	100		
43	1208.2	1005.1	1866.5
88	27.5	29.3	54.5#

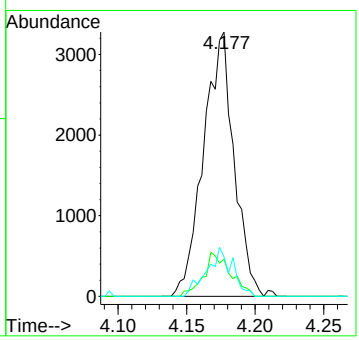


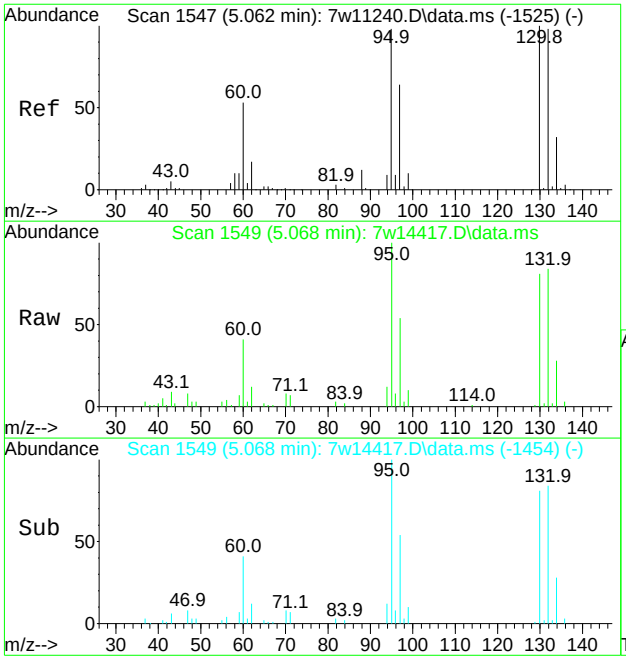


#51
BENZENE
Concen: 0.1527 PPBV
RT: 4.177 min Scan# 1272
Delta R.T. 0.006 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 78 Resp: 5085

Ion	Ratio	Lower	Upper
78	100		
52	14.7	0.0	48.9
51	15.5	0.0	50.2

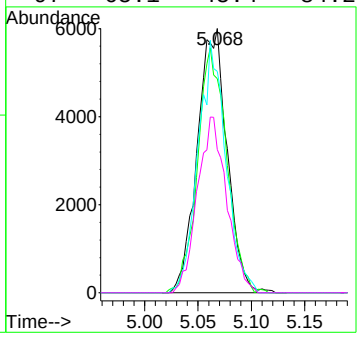


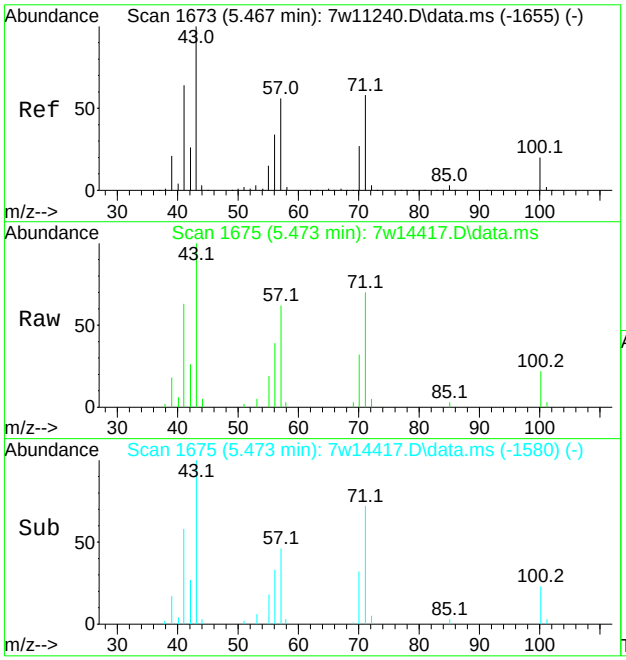


#55
TRICHLOROETHENE
Concen: 0.7177 PPBV
RT: 5.068 min Scan# 1549
Delta R.T. 0.006 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 95 Resp: 11626

Ion	Ratio	Lower	Upper
95	100		
130	90.8	72.8	135.2
132	88.8	71.9	133.5
97	65.1	45.4	84.2

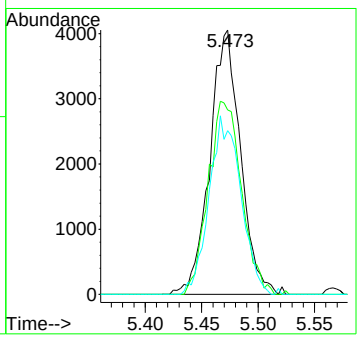


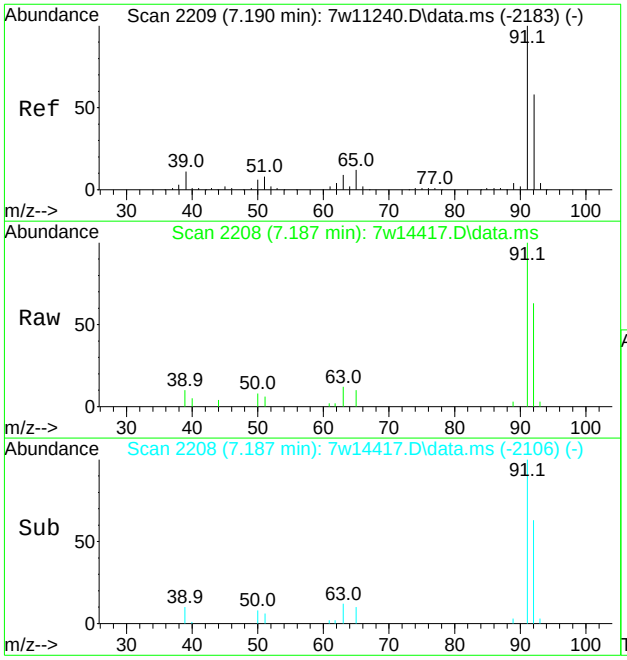


#62
HEPTANE
Concen: 0.3546 PPBV
RT: 5.473 min Scan# 1675
Delta R.T. 0.006 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 43 Resp: 7635

Ion	Ratio	Lower	Upper
43	100		
71	79.2	40.0	74.4#
57	69.6	38.9	72.2

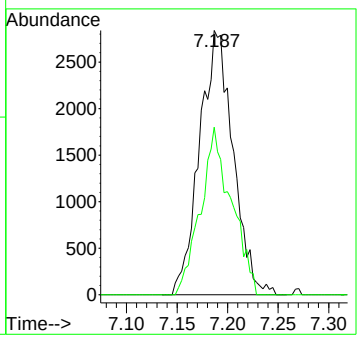


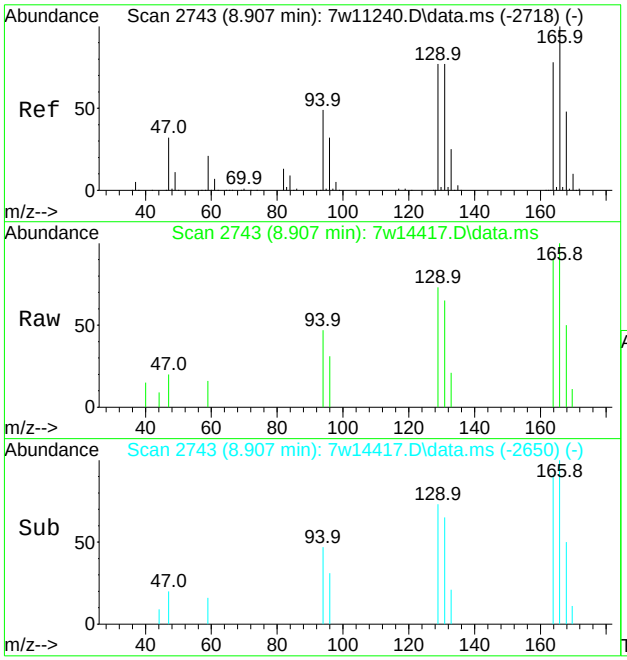


#66
TOLUENE
Concen: 0.1453 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 91 Resp: 6541

Ion	Ratio	Lower	Upper
91	100		
92	58.6	29.0	89.0

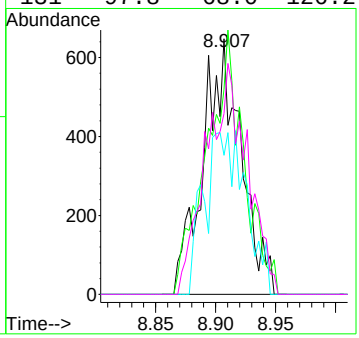


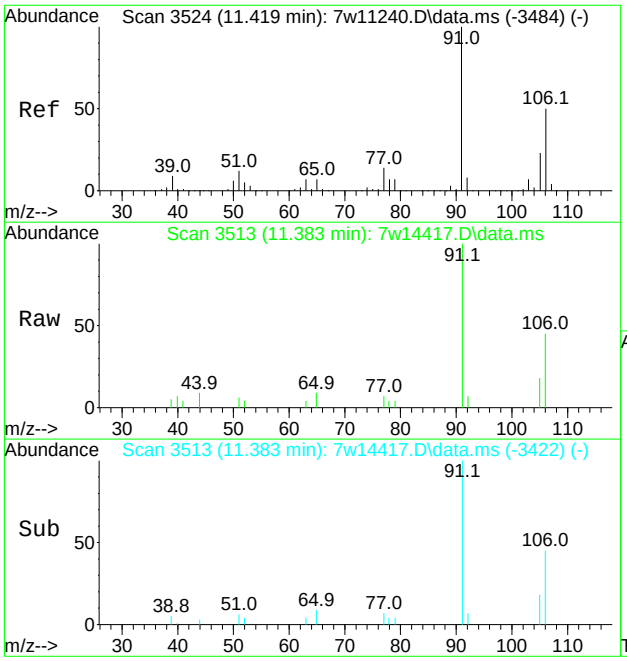


#72
TETRACHLOROETHENE
Concen: 0.0831 PPBV
RT: 8.907 min Scan# 2743
Delta R.T. -0.000 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion:164 Resp: 1417

Ion	Ratio	Lower	Upper
164	100		
129	100.8	68.9	127.9
168	70.6	42.3	78.5
131	97.8	68.0	126.2

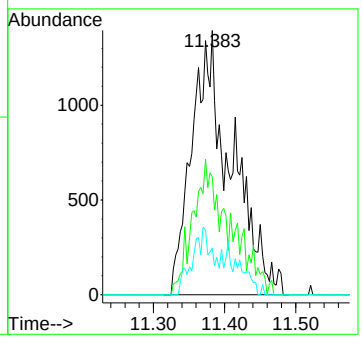


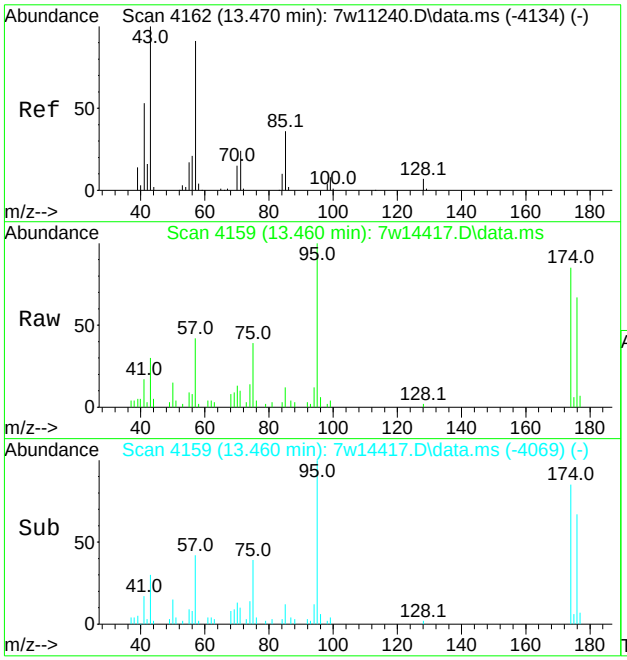


#80
M,P-XYLENE
Concen: 0.1194 PPBV
RT: 11.383 min Scan# 3513
Delta R.T. -0.036 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 91 Resp: 5354

Ion	Ratio	Lower	Upper
91	100		
106	37.1	0.0	55.5
105	13.0	0.0	41.7

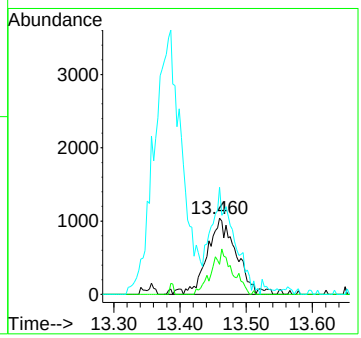




#83
NONANE
Concen: 0.1047 PPBV
RT: 13.460 min Scan# 4159
Delta R.T. -0.010 min
Lab File: 7w14417.D
Acq: 14 Apr 2025 7:12 am

Tgt Ion: 43 Resp: 3240

Ion	Ratio	Lower	Upper
43	100		
85	41.8	25.0	46.4
57	99.1	65.7	122.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14418.D
Acq On : 14 Apr 2025 7:56 am
Operator : benk
Sample : je8598-11 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 06:12:22 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

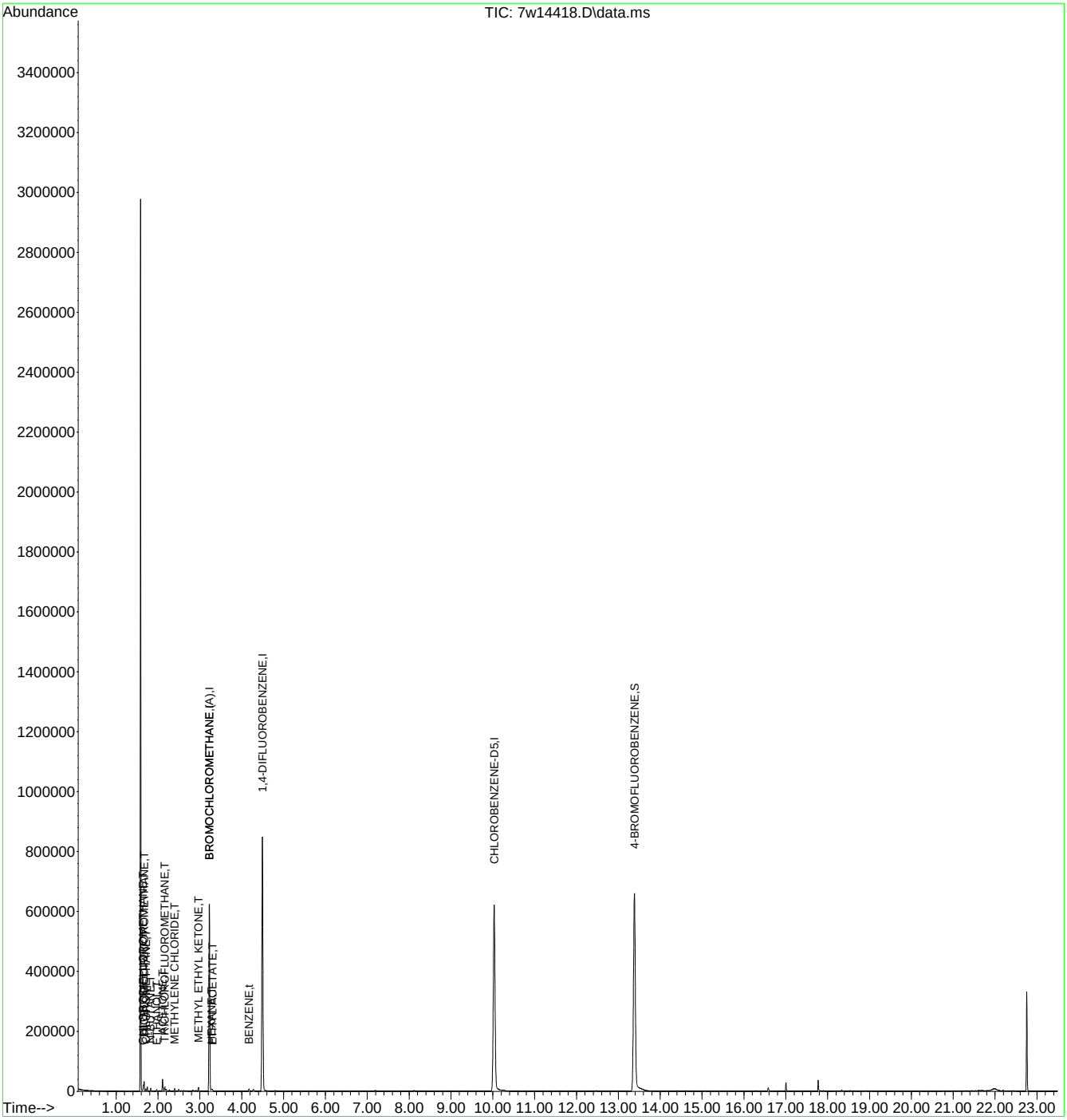
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	126690	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	650572	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.035	117	596464	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	126499	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	464267	10.73	PPBV	0.00
Target Compounds						Qvalue
4) CHLORODIFLUOROMETHANE	1.637	67	708	0.2312	PPBV #	68
6) DICHLORODIFLUOROMETHANE	1.666	85	13696	0.4336	PPBV #	91
10) CHLOROMETHANE	1.711	52	1485	0.4529	PPBV	82
13) N-BUTANE	1.823	43	4041	0.2459	PPBV #	88
21) TRICHLOROFLUOROMETHANE	2.158	101	6429	0.2311	PPBV	98
23) ACETONE	2.106	58	10555	1.4339	PPBV #	50
28) ETHANOL	1.968	45	3369	0.5244	PPBV	98
31) METHYLENE CHLORIDE	2.396	84	2096	0.2090	PPBV	76
38) HEXANE	3.277	57	2485	0.1191	PPBV #	67
41) METHYL ETHYL KETONE	2.968	72	3597	0.6391	PPBV #	50
44) ETHYL ACETATE	3.303	61	595	0.1488	PPBV #	1
51) BENZENE	4.174	78	6672	0.1972	PPBV	89

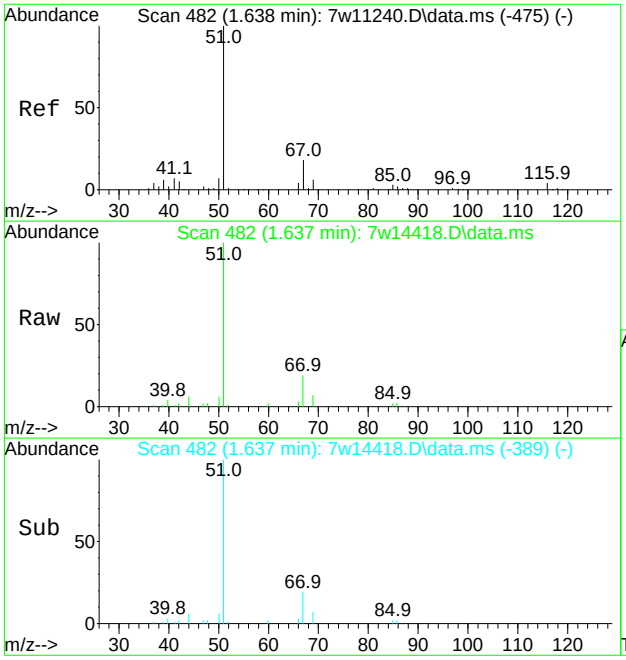
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14418.D
Acq On : 14 Apr 2025 7:56 am
Operator : benk
Sample : je8598-11 Inst : MS7W
Misc : MS91252,v7w501,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 06:12:22 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

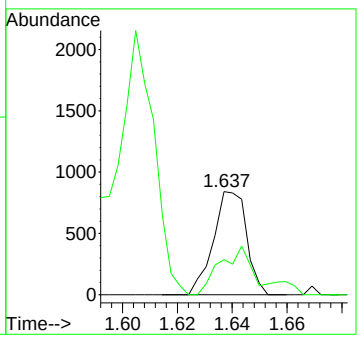


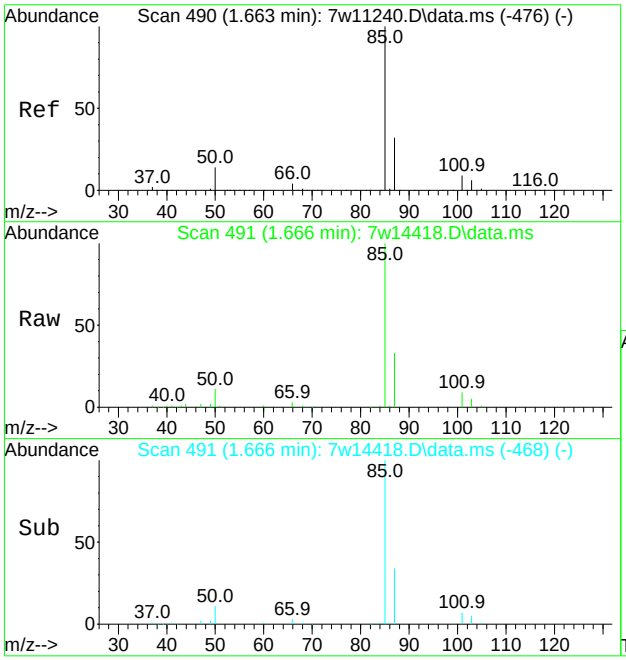


#4
CHLORODIFLUOROMETHANE
Concen: 0.2312 PPBV
RT: 1.637 min Scan# 482
Delta R.T. -0.001 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 67 Resp: 708

Ion	Ratio	Lower	Upper
67	100		
69	53.2	24.4	45.4#

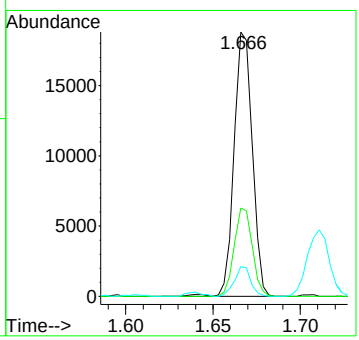


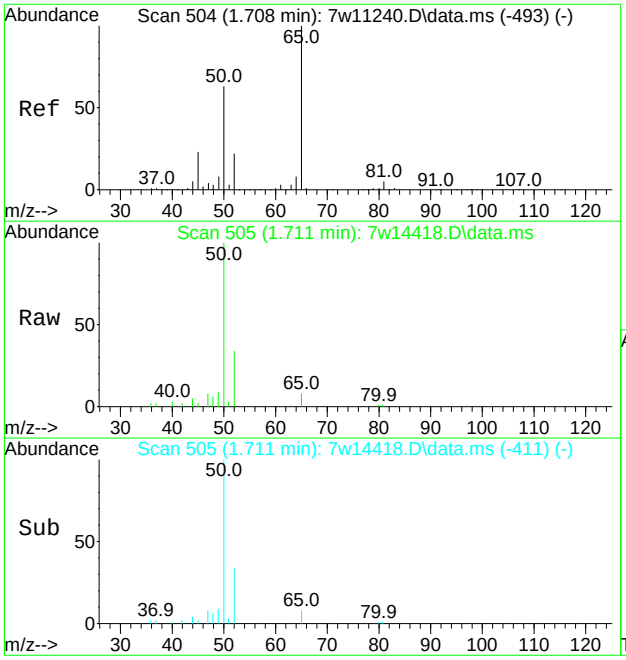


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4336 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 85 Resp: 13696

Ion	Ratio	Lower	Upper
85	100		
87	33.1	22.5	41.7
50	10.1	13.8	25.6#

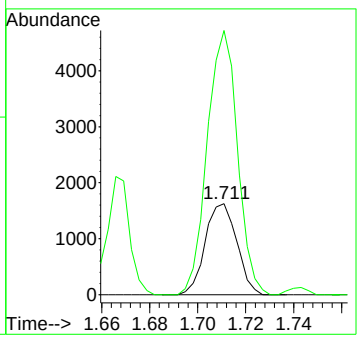


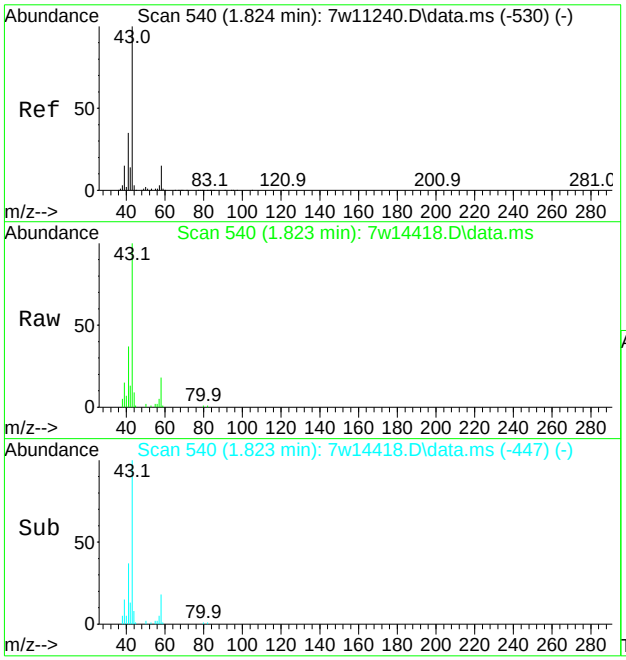


#10
CHLOROMETHANE
Concen: 0.4529 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 52 Resp: 1485

Ion	Ratio	Lower	Upper
52	100		
50	278.9	220.1	408.8

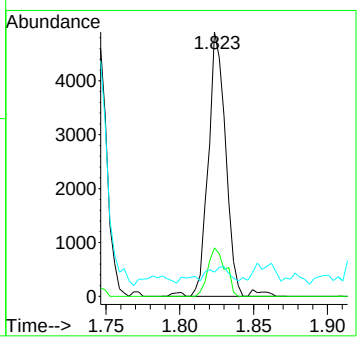


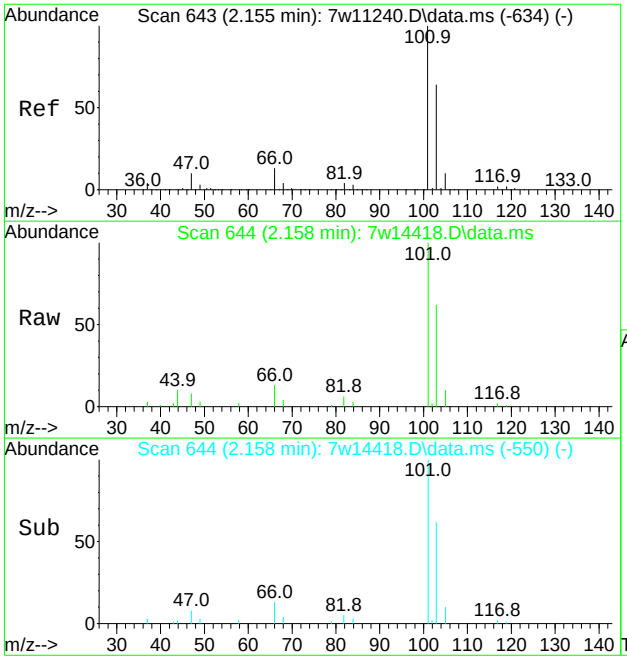


#13
N-BUTANE
Concen: 0.2459 PPBV
RT: 1.823 min Scan# 540
Delta R.T. -0.001 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 43 Resp: 4041

Ion	Ratio	Lower	Upper
43	100		
58	18.3	10.4	19.2
44	12.3	3.0	5.6#

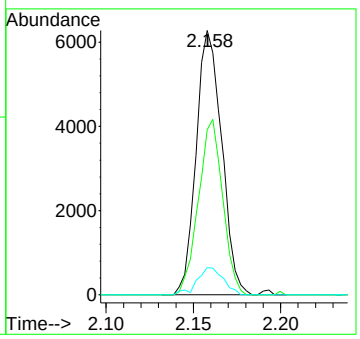


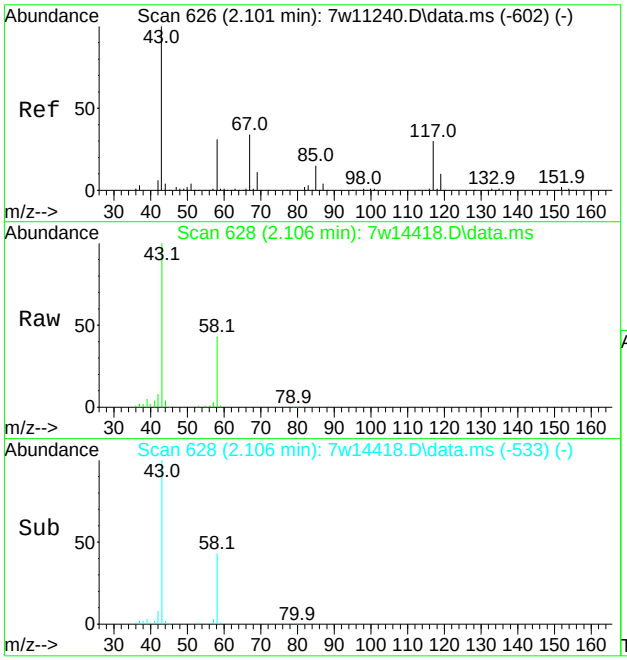


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2311 PPBV
RT: 2.158 min Scan# 644
Delta R.T. 0.003 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion:101 Resp: 6429

Ion	Ratio	Lower	Upper
101	100		
103	62.5	44.9	83.5
105	10.5	7.3	13.5

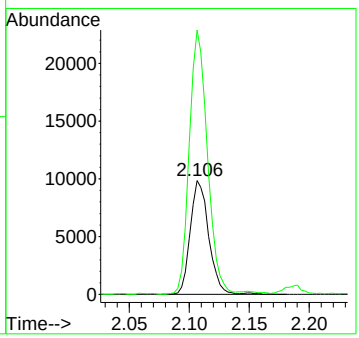


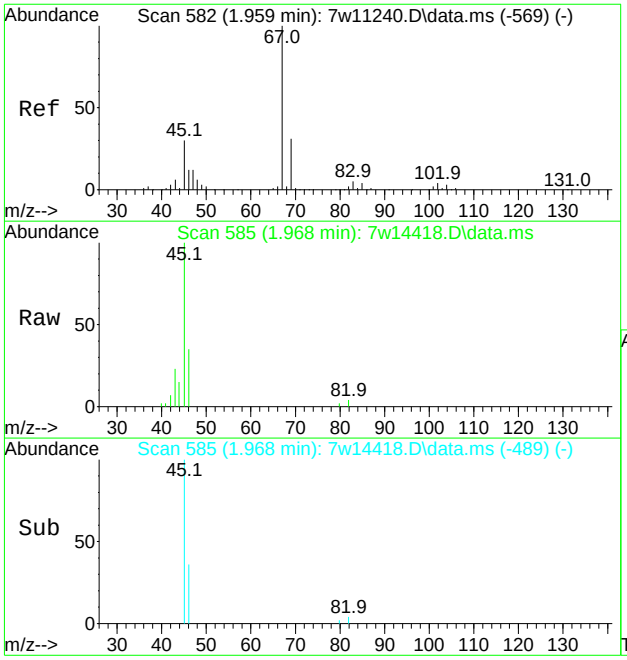


#23
ACETONE
Concen: 1.4339 PPBV
RT: 2.106 min Scan# 628
Delta R.T. 0.005 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 58 Resp: 10555

Ion	Ratio	Lower	Upper
58	100		
43	230.5	234.4	435.2#

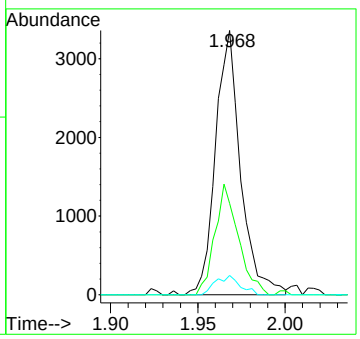


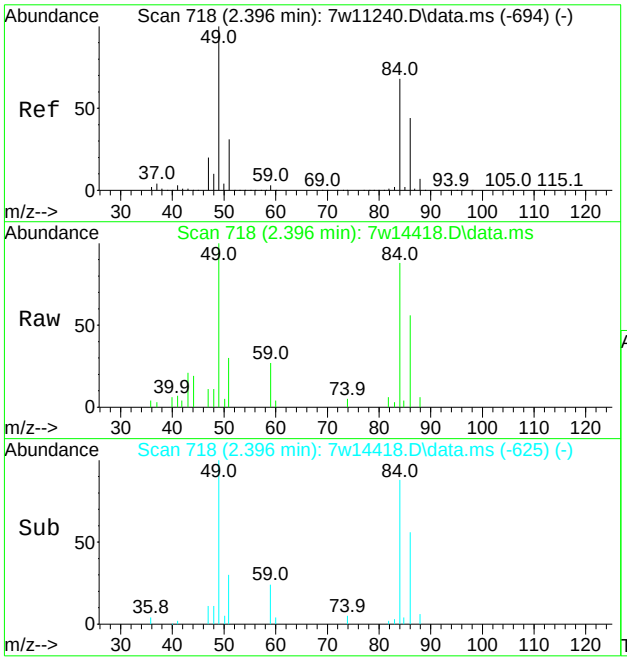


#28
ETHANOL
Concen: 0.5244 PPBV
RT: 1.968 min Scan# 585
Delta R.T. 0.009 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 45 Resp: 3369

Ion	Ratio	Lower	Upper
45	100		
46	39.7	28.6	53.0
42	7.1	6.3	11.7

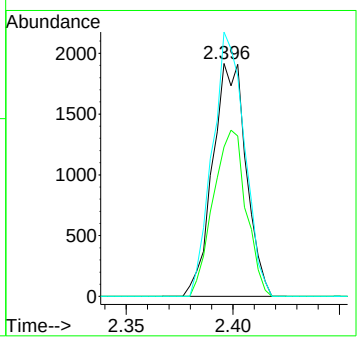


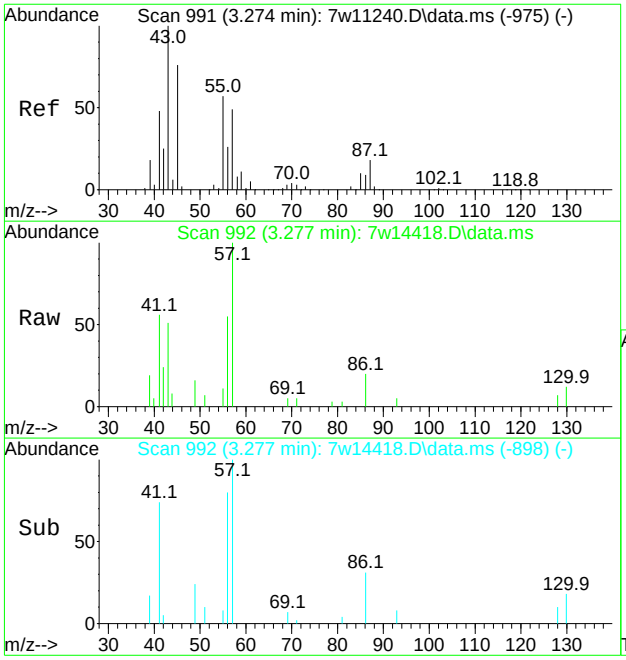


#31
METHYLENE CHLORIDE
Concen: 0.2090 PPBV
RT: 2.396 min Scan# 718
Delta R.T. -0.000 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 84 Resp: 2096

Ion	Ratio	Lower	Upper
84	100		
86	70.0	46.0	85.4
49	108.7	103.9	192.9

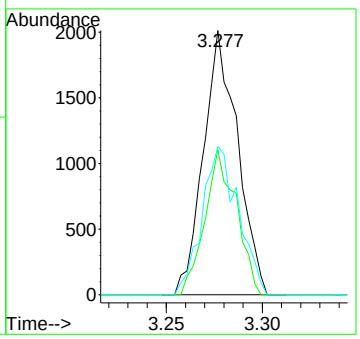


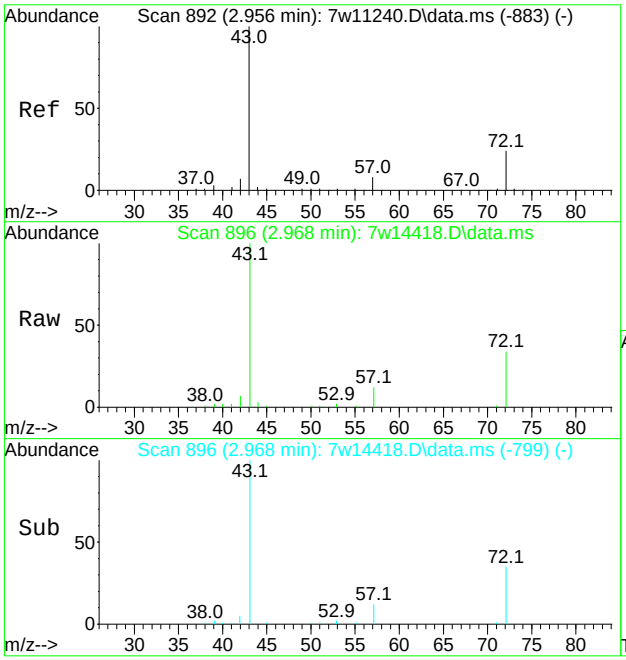


#38
HEXANE
Concen: 0.1191 PPBV
RT: 3.277 min Scan# 992
Delta R.T. 0.003 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 57 Resp: 2485

Ion	Ratio	Lower	Upper
57	100		
56	50.6	37.8	70.2
41	59.8	75.9	140.9#

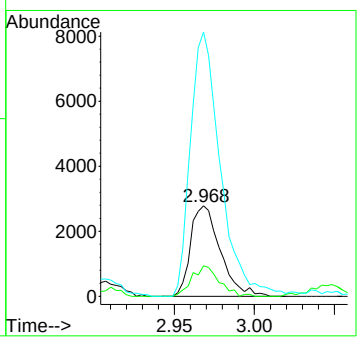


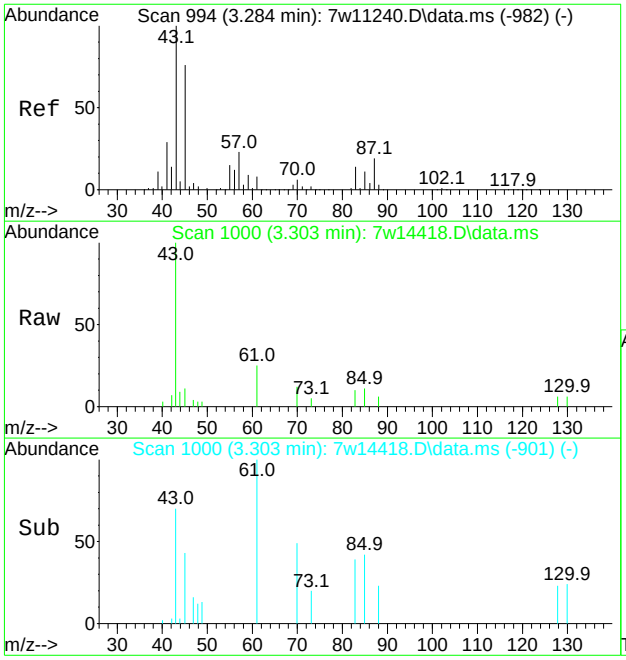


#41
METHYL ETHYL KETONE
Concen: 0.6391 PPBV
RT: 2.968 min Scan# 896
Delta R.T. 0.012 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 72 Resp: 3597

Ion	Ratio	Lower	Upper
72	100		
57	31.0	25.3	46.9
43	294.6	299.6	556.4#

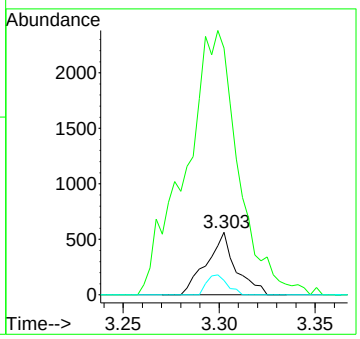


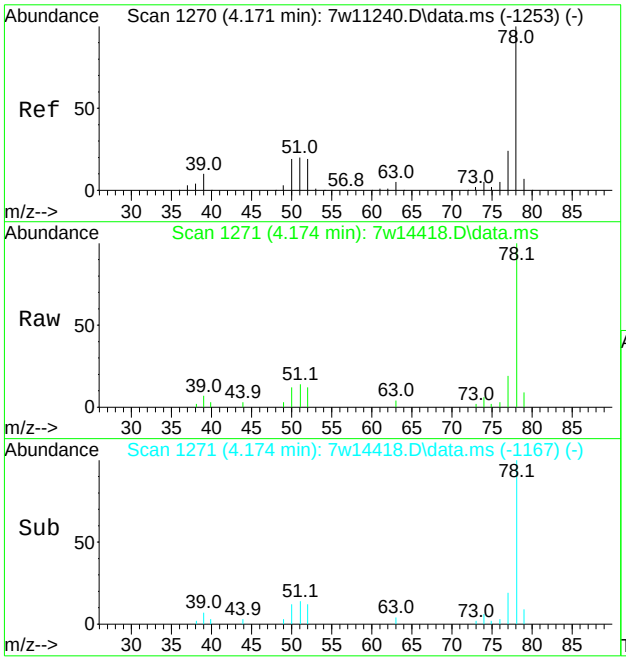


#44
ETHYL ACETATE
Concen: 0.1488 PPBV
RT: 3.303 min Scan# 1000
Delta R.T. 0.019 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 61 Resp: 595

Ion	Ratio	Lower	Upper
61	100		
43	773.1	1005.1	1866.5#
88	22.4	29.3	54.5#

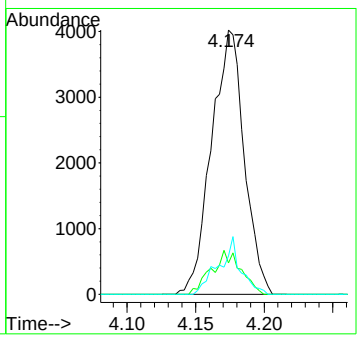




#51
BENZENE
Concen: 0.1972 PPBV
RT: 4.174 min Scan# 1271
Delta R.T. 0.003 min
Lab File: 7w14418.D
Acq: 14 Apr 2025 7:56 am

Tgt Ion: 78 Resp: 6672

Ion	Ratio	Lower	Upper
78	100		
52	14.9	0.0	48.9
51	14.5	0.0	50.2



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/08/25 22:11

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\4. April\04-07-2025\v6w1468\
Data File : 6w35385.D
Acq On : 5 Apr 2025 8:22 am
Operator : benk
Sample : je8598-5 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 08 23:35:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

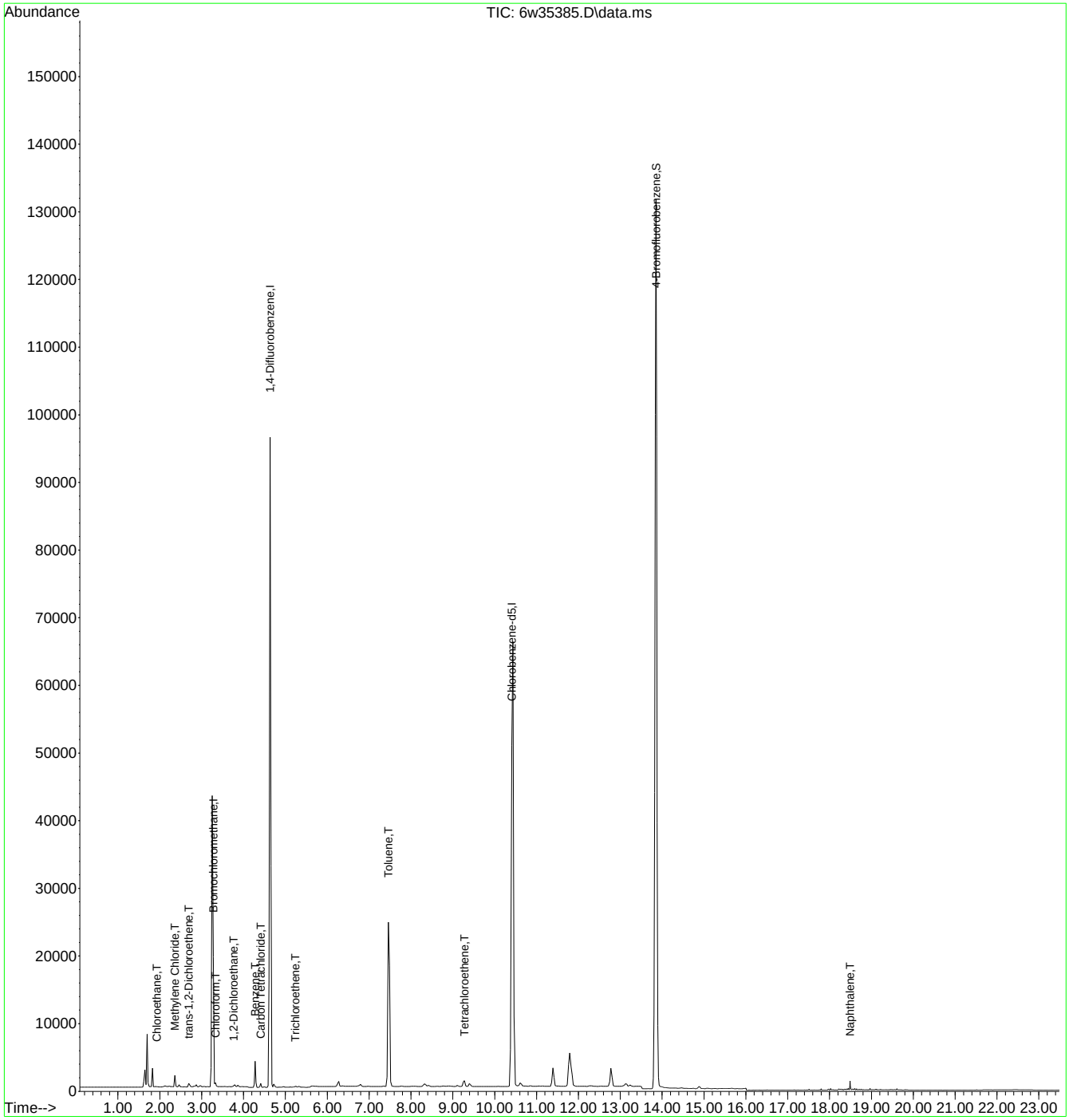
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	32939	10.00	ppb(v	# 0.00
14) 1,4-Difluorobenzene	4.633	114	156231	10.00	ppb(v	# 0.00
25) Chlorobenzene-d5	10.406	82	68855	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	101442	10.00	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	745	0.1631	ppb(v#	1
4) Chloroethane	1.926	64	20m	0.0044	ppb(v	
6) trans-1,2-Dichloroethene	2.692	61	561	0.0648	ppb(v	95
9) Chloroform	3.331	83	120m	0.0148	ppb(v	
11) 1,2-Dichloroethane	3.765	62	123	0.0192	ppb(v#	56
12) Benzene	4.278	78	5244	0.4748	ppb(v	93
13) Carbon Tetrachloride	4.411	117	523	0.0767	ppb(v	96
15) Toluene	7.458	92	25586	3.4923	ppb(v	87
16) Trichloroethene	5.231	95	162	0.0311	ppb(v	95
23) Tetrachloroethene	9.279	166	1557	0.1950	ppb(v	85
32) Naphthalene	18.490	128	1146	0.0566	ppb(v	96

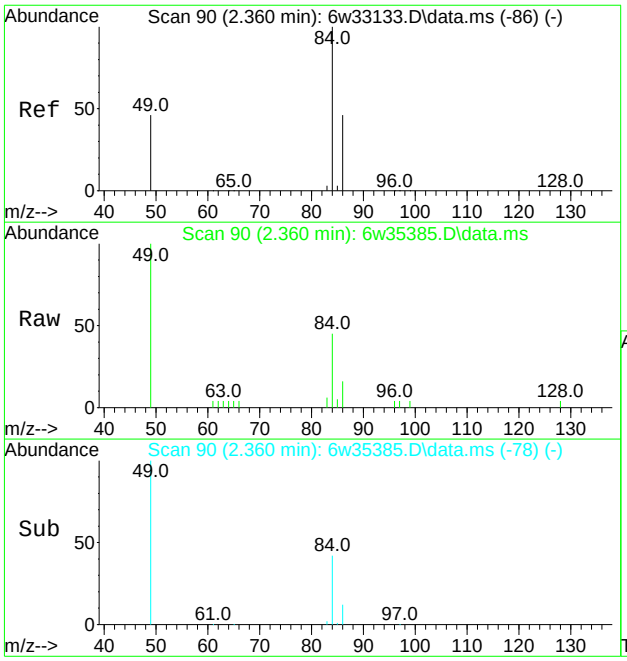
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\4. April\04-07-2025\v6w1468\
Data File : 6w35385.D
Acq On : 5 Apr 2025 8:22 am
Operator : benk
Sample : je8598-5 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 08 23:35:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

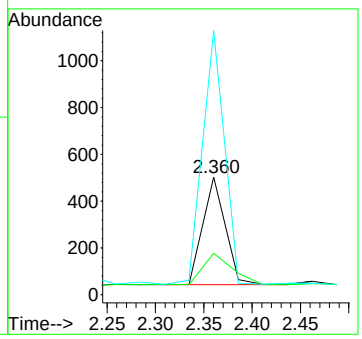


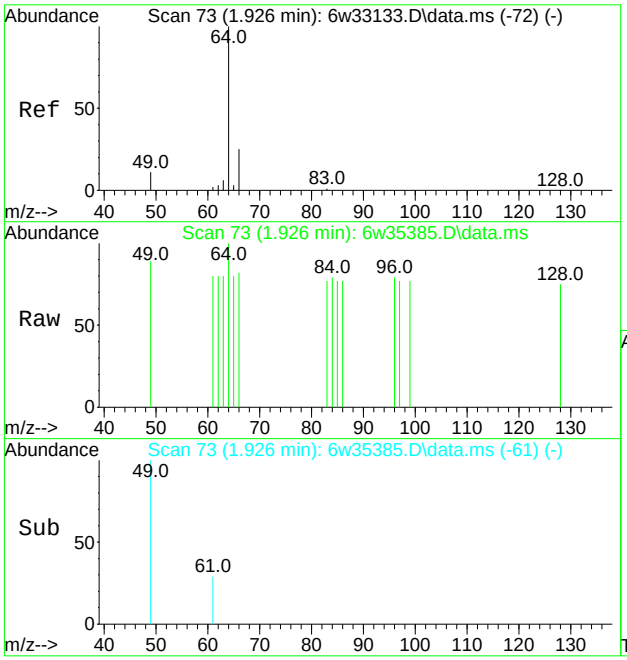


#2
Methylene Chloride
Concen: 0.1631 ppb(v)
RT: 2.360 min Scan# 90
Delta R.T. 0.000 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion: 84 Resp: 745

Ion	Ratio	Lower	Upper
84	100		
86	35.4	33.7	62.5
49	224.7	59.2	110.0#

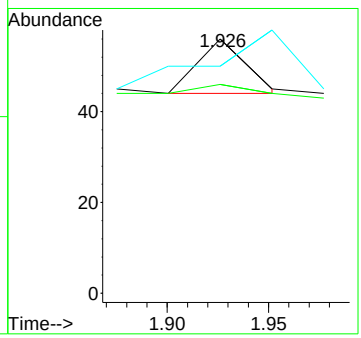


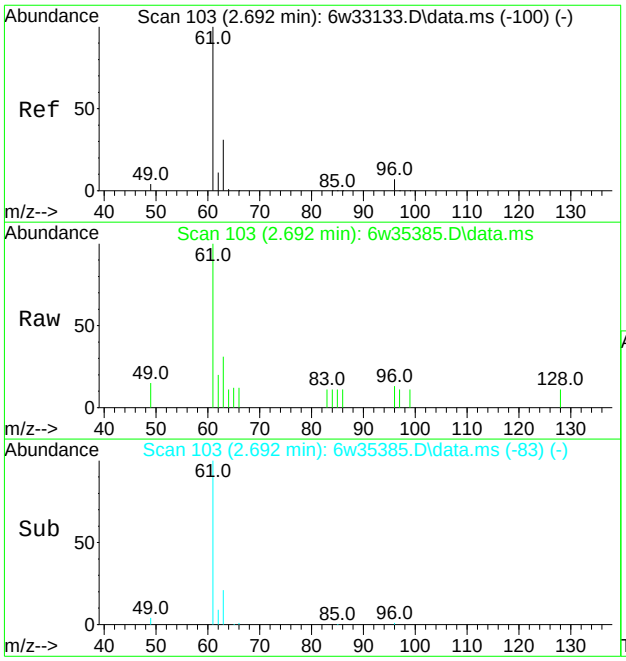


#4
Chloroethane
Concen: 0.0044 ppb(v) m
RT: 1.926 min Scan# 73
Delta R.T. -0.000 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion: 64 Resp: 20

Ion	Ratio	Lower	Upper
64	100		
66	82.1	24.2	45.0#
49	89.3	22.9	42.5#

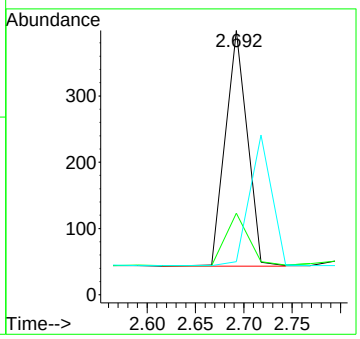


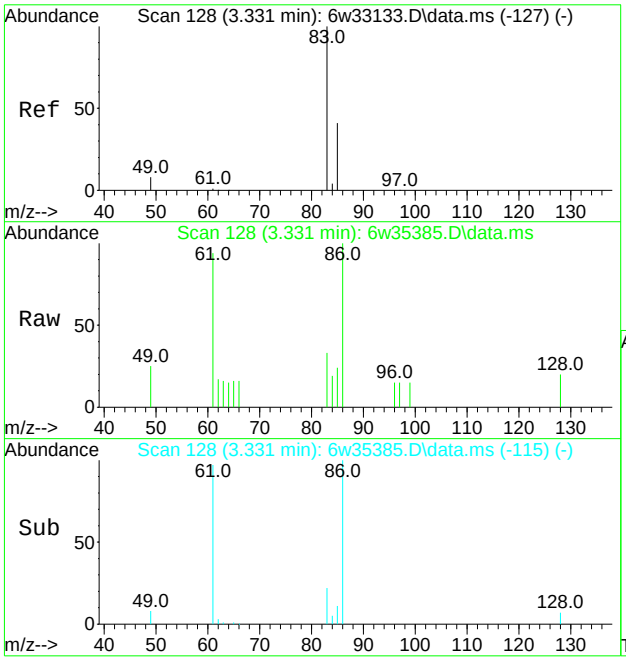


#6
trans-1,2-Dichloroethene
Concen: 0.0648 ppb(v)
RT: 2.692 min Scan# 103
Delta R.T. 0.000 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion: 61 Resp: 561

Ion	Ratio	Lower	Upper
61	100		
63	30.8	24.3	45.1
96	12.5	9.0	16.6

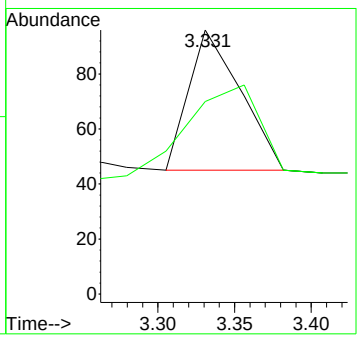


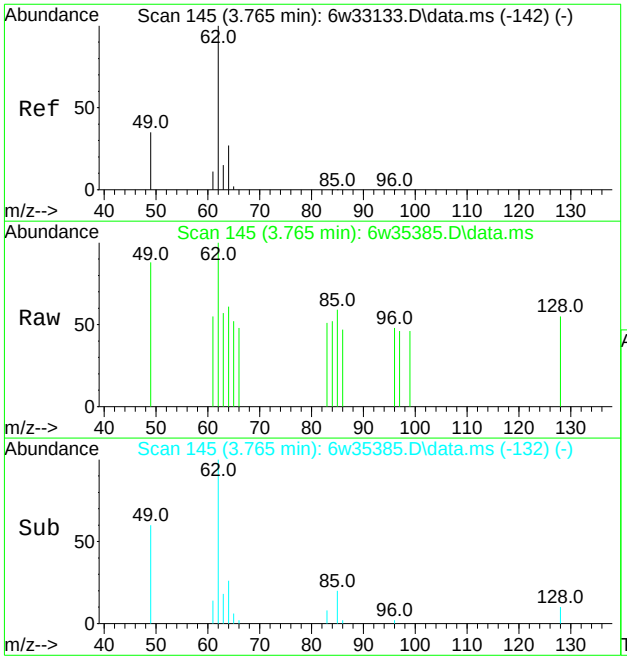


#9
Chloroform
Concen: 0.0148 ppb(v) m
RT: 3.331 min Scan# 128
Delta R.T. -0.000 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion: 83 Resp: 120

Ion	Ratio	Lower	Upper
83	100		
85	72.9	38.9	72.2#

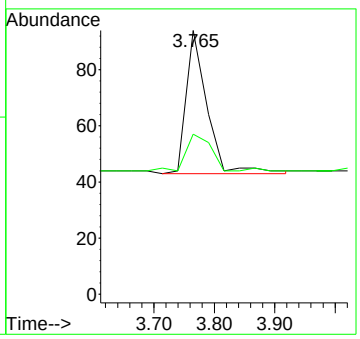


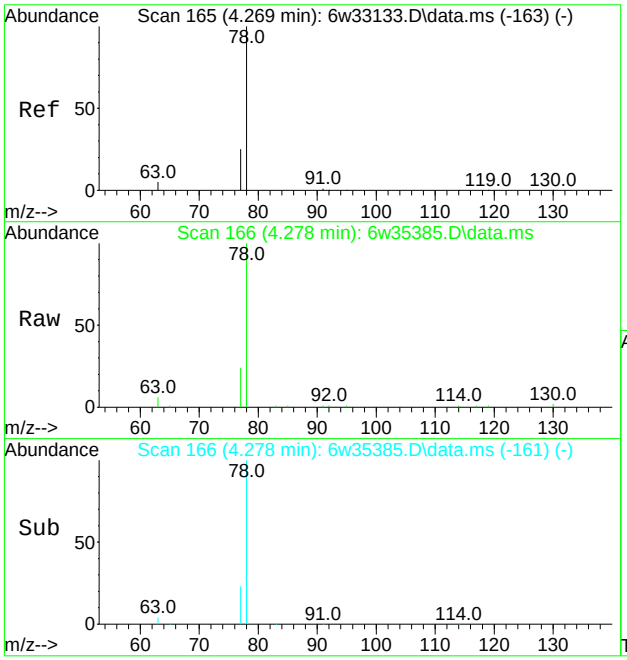


#11
1,2-Dichloroethane
Concen: 0.0192 ppb(v)
RT: 3.765 min Scan# 145
Delta R.T. -0.000 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion: 62 Resp: 123

Ion	Ratio	Lower	Upper
62	100		
64	60.6	24.4	45.4#

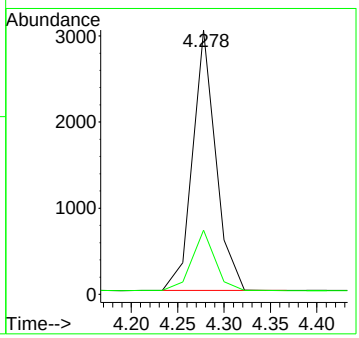


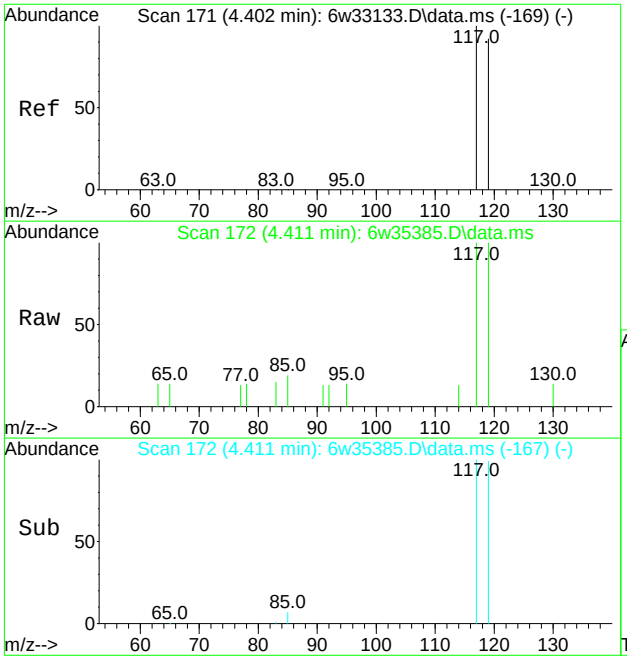


#12
Benzene
Concen: 0.4748 ppb(v)
RT: 4.278 min Scan# 166
Delta R.T. -0.000 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion: 78 Resp: 5244

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.7	36.7

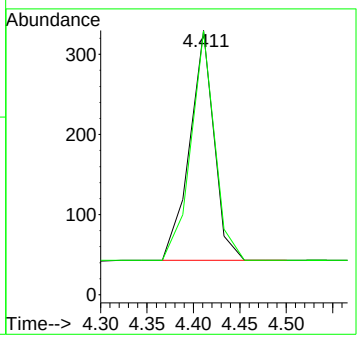


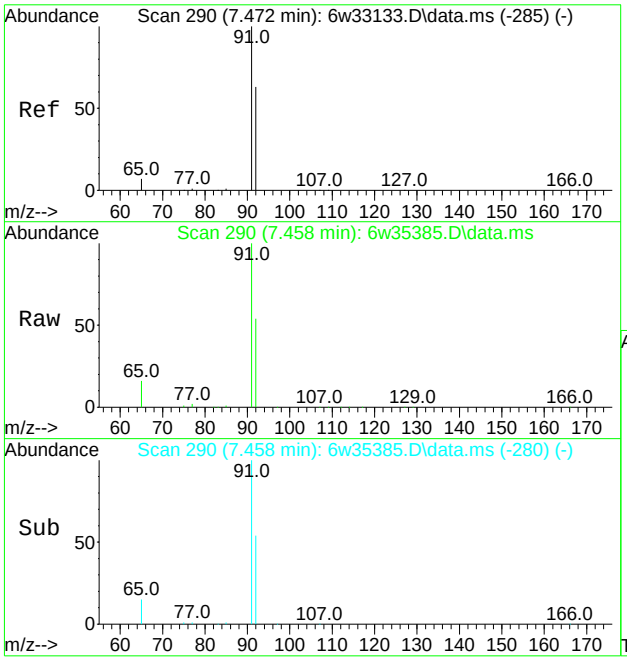


#13
Carbon Tetrachloride
Concen: 0.0767 ppb(v)
RT: 4.411 min Scan# 172
Delta R.T. -0.000 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion:117 Resp: 523

Ion	Ratio	Lower	Upper
117	100		
119	99.7	73.0	135.6

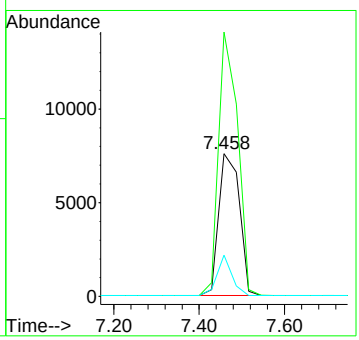


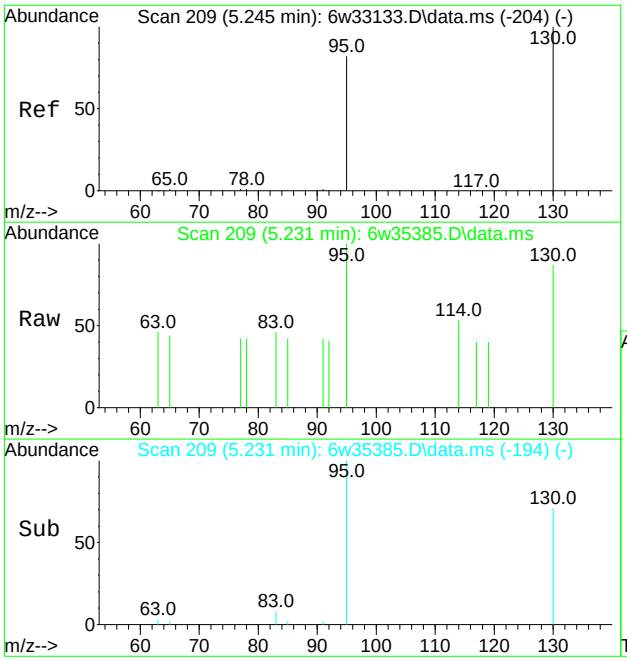


#15
Toluene
Concen: 3.4923 ppb(v)
RT: 7.458 min Scan# 290
Delta R.T. -0.000 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion: 92 Resp: 25586

Ion	Ratio	Lower	Upper
92	100		
91	185.2	115.8	215.0
65	29.0	22.4	41.6

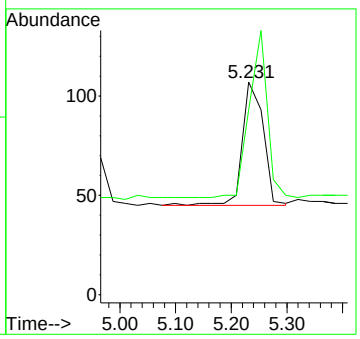


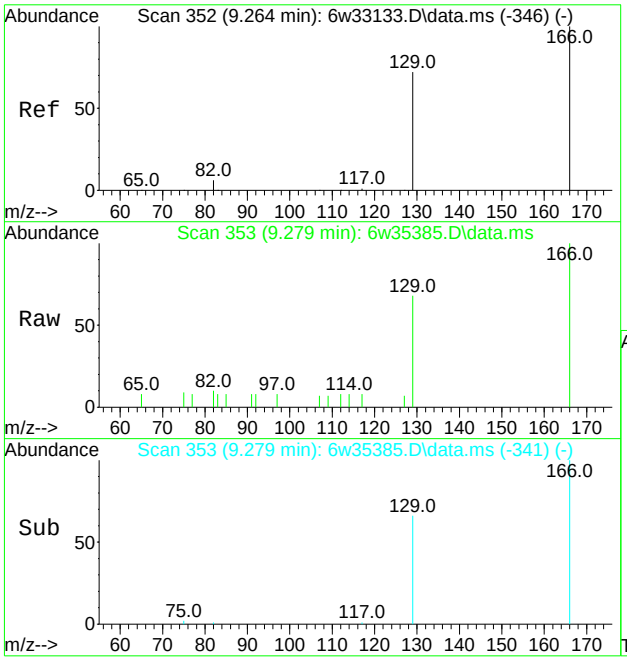


#16
Trichloroethene
Concen: 0.0311 ppb(v)
RT: 5.231 min Scan# 209
Delta R.T. 0.000 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion: 95 Resp: 162

Ion	Ratio	Lower	Upper
95	100		
130	86.9	58.0	107.6

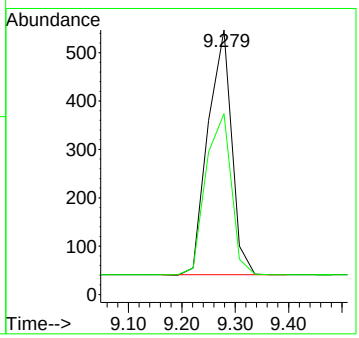


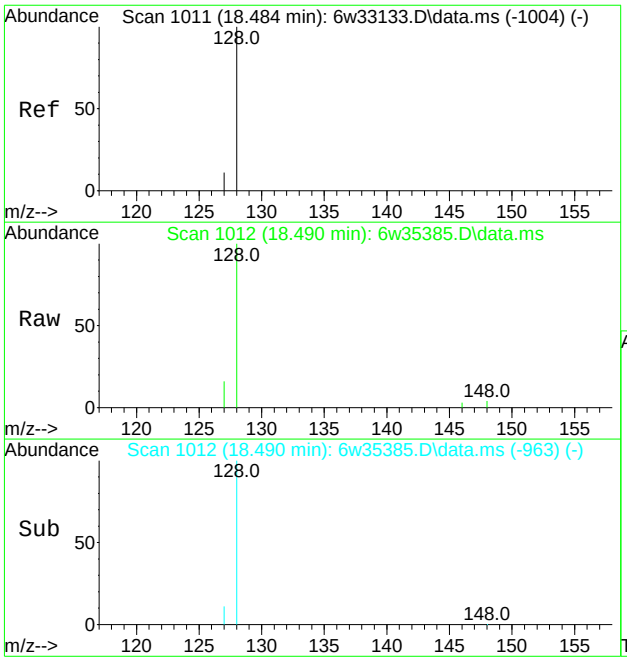


#23
Tetrachloroethene
Concen: 0.1950 ppb(v)
RT: 9.279 min Scan# 353
Delta R.T. 0.029 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion:166 Resp: 1557

Ion	Ratio	Lower	Upper
166	100		
129	68.4	57.2	106.2

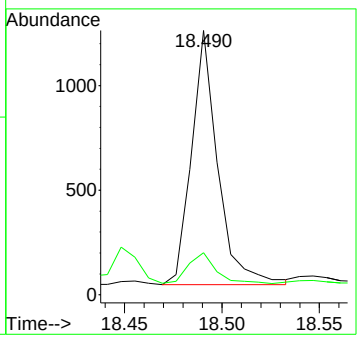




#32
Naphthalene
Concen: 0.0566 ppb(v)
RT: 18.490 min Scan# 1012
Delta R.T. 0.013 min
Lab File: 6w35385.D
Acq: 5 Apr 2025 8:22 am

Tgt Ion:128 Resp: 1146

Ion	Ratio	Lower	Upper
128	100		
127	15.9	9.9	18.5



Manual Integration Approval Summary

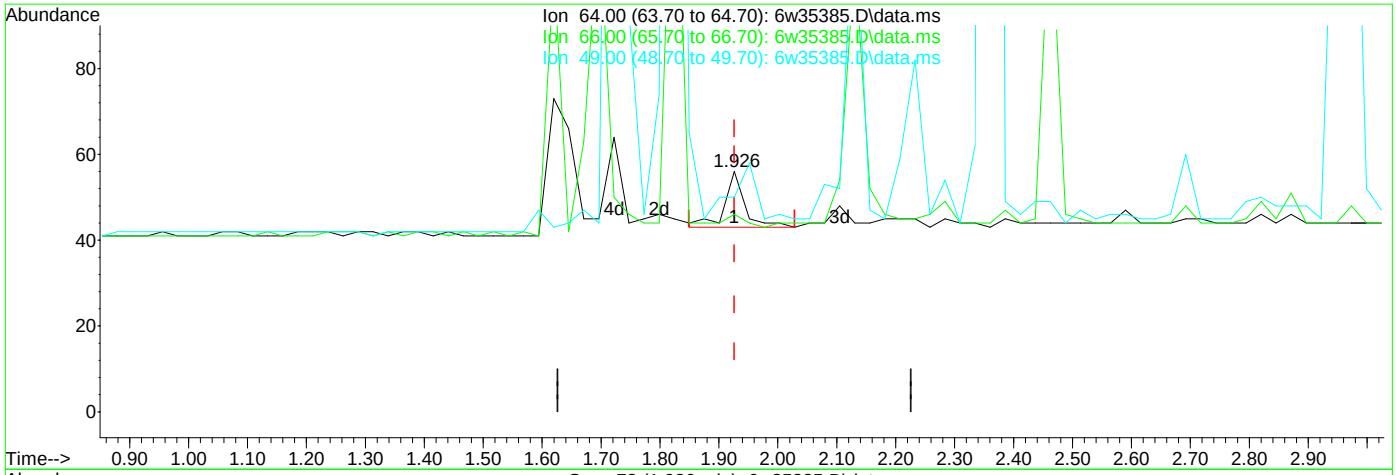
Sample Number: JE8598-5
Lab FileID: 6W35385.D
Injection Time: 04/05/25 08:22
Method: TO-15 (BY SIM)
Analyst approved: 04/07/25 00:29 Lucky Carandang
Supervisor approved: 04/08/25 22:11 Kanya Veerawat

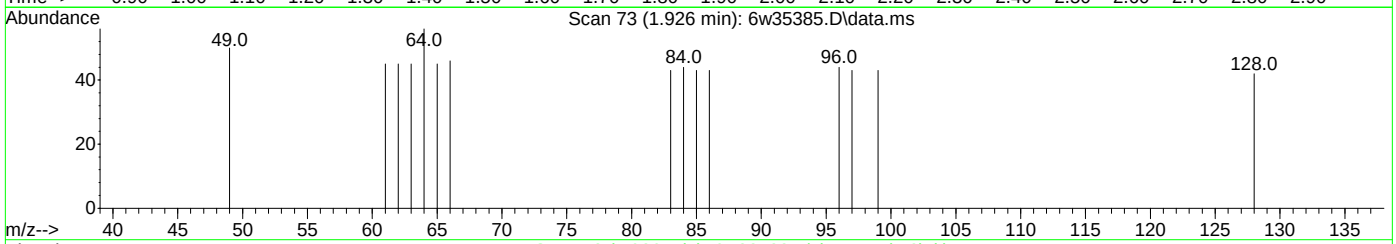
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroethane	75-00-3		1.93	Overlapping peak
Chloroform	67-66-3		3.33	Overlapping peak

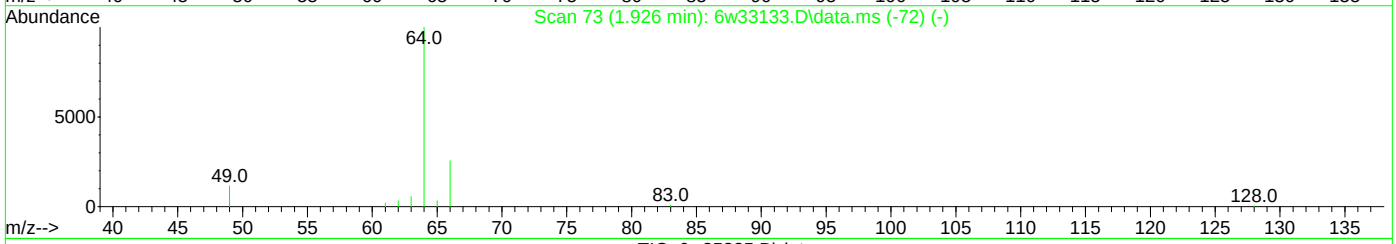
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35385.D
Acq On : 5 Apr 2025 8:22 am
Operator : benk
Sample : je8598-5 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:16:43 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35385.D\data.ms

(4) Chloroethane (T)

1.926min (-0.000) 0.01ppb(v)

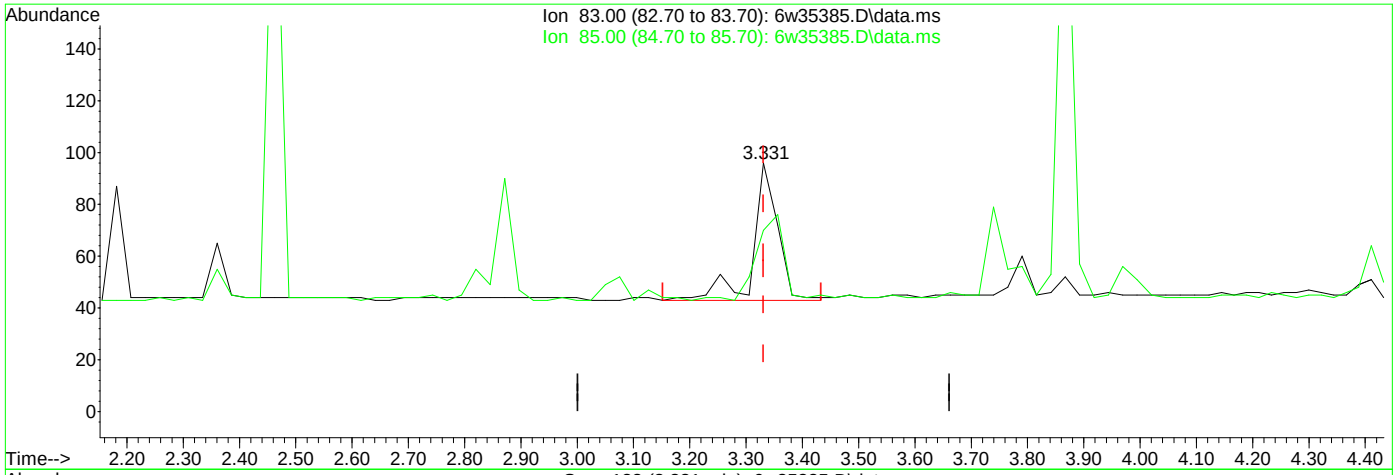
response 31

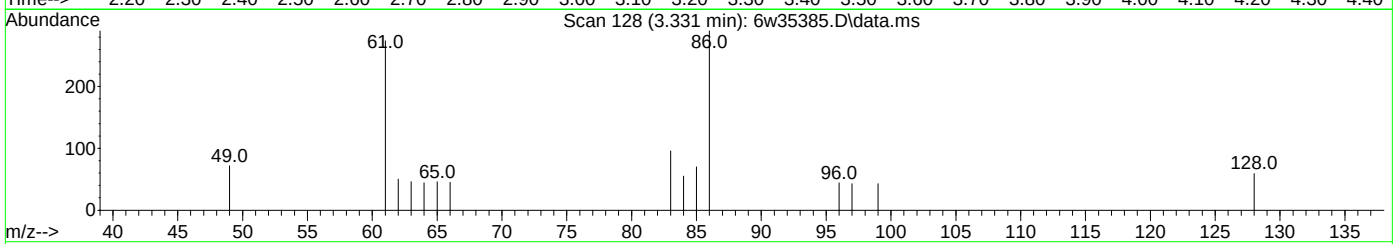
Ion	Exp%	Act%
64.00	100	100
66.00	34.60	82.14#
49.00	32.70	89.29#
0.00	0.00	0.00

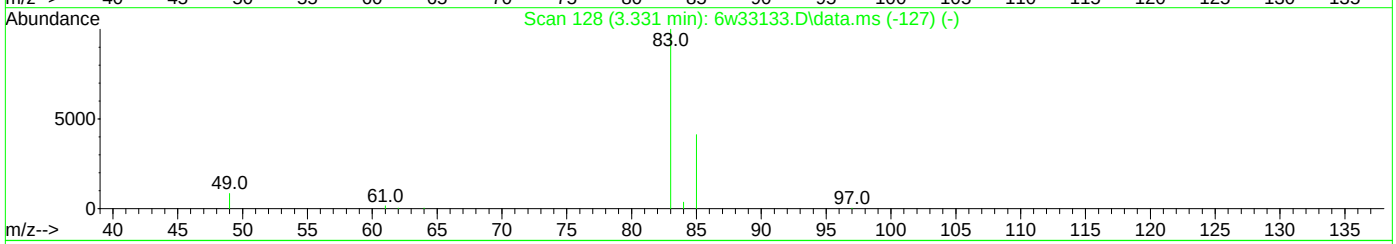
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35385.D
Acq On : 5 Apr 2025 8:22 am
Operator : benk
Sample : je8598-5 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:16:43 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35385.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.02ppb(v)

response 161

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	72.92#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/08/25 22:13

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\4. April\04-07-2025\v6w1468\
Data File : 6w35386.D
Acq On : 5 Apr 2025 9:05 am
Operator : benk
Sample : je8598-6 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 08 23:36:29 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

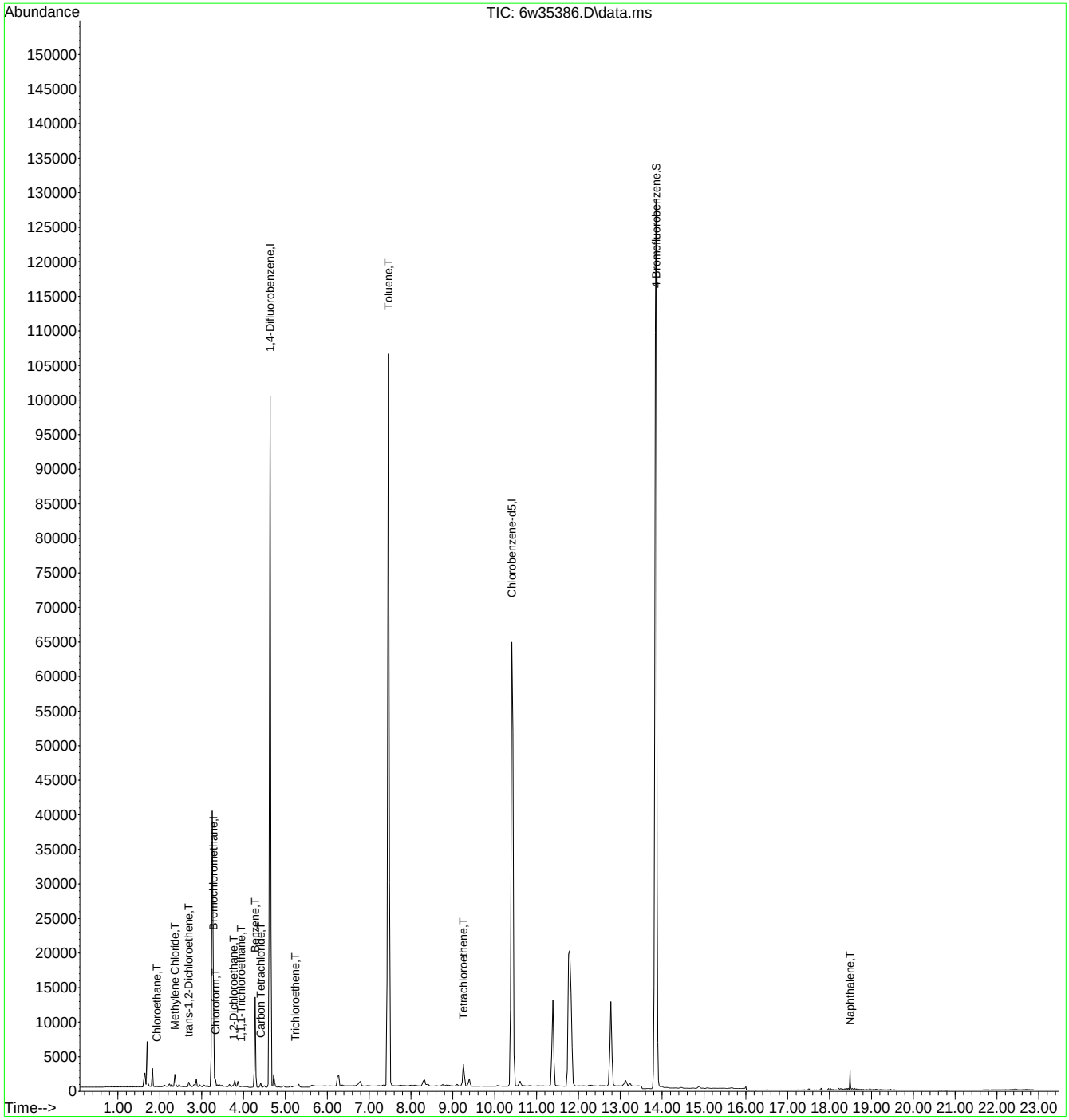
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	30373	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	156622	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	67954	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	101168	10.10	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.00%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	867	0.2058	ppb(v#	21
4) Chloroethane	1.926	64	25	0.0060	ppb(v#	7
6) trans-1,2-Dichloroethene	2.692	61	647	0.0811	ppb(v	98
9) Chloroform	3.331	83	121m	0.0162	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	12	0.0020	ppb(v	82
11) 1,2-Dichloroethane	3.765	62	144	0.0243	ppb(v#	68
12) Benzene	4.278	78	17889	1.7567	ppb(v	89
13) Carbon Tetrachloride	4.411	117	527	0.0839	ppb(v	99
15) Toluene	7.458	92	87596	11.9263	ppb(v#	90
16) Trichloroethene	5.231	95	170	0.0325	ppb(v	91
23) Tetrachloroethene	9.250	166	5083	0.6349	ppb(v	92
32) Naphthalene	18.490	128	2503	0.1252	ppb(v	99

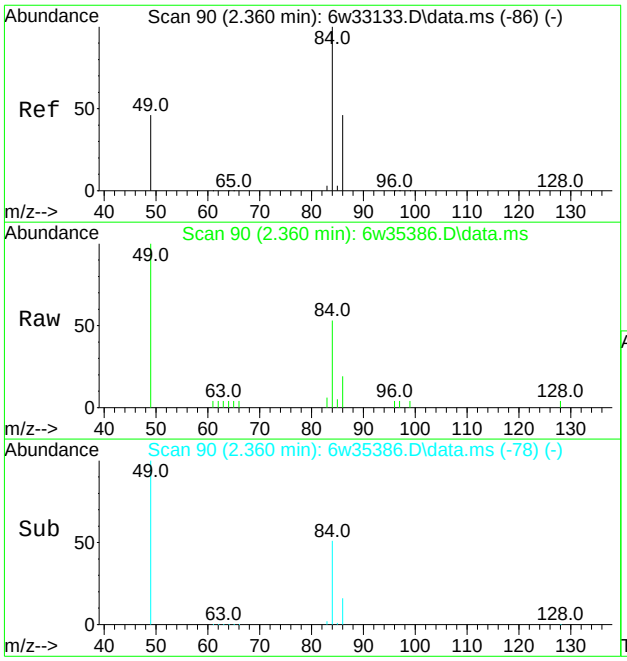
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\4. April\04-07-2025\v6w1468\
Data File : 6w35386.D
Acq On : 5 Apr 2025 9:05 am
Operator : benk
Sample : je8598-6 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 08 23:36:29 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

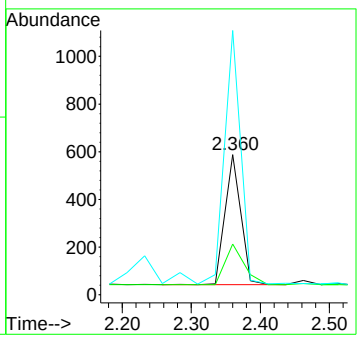


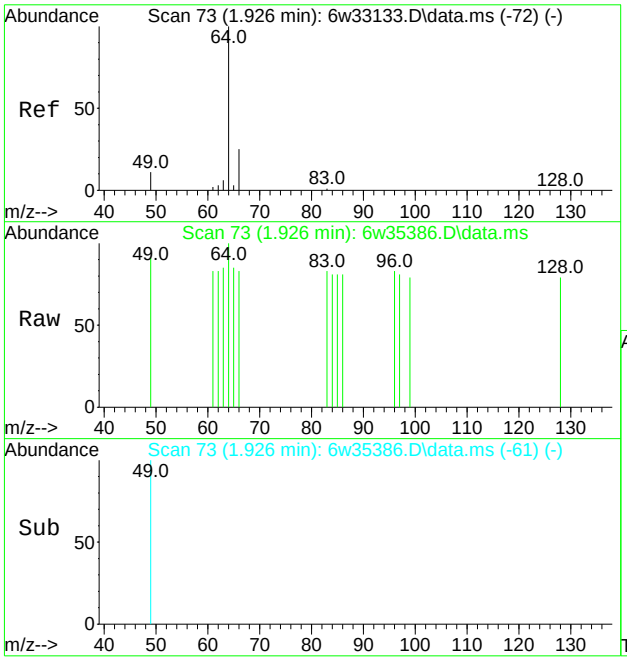


#2
Methylene Chloride
Concen: 0.2058 ppb(v)
RT: 2.360 min Scan# 90
Delta R.T. 0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion: 84 Resp: 867

Ion	Ratio	Lower	Upper
84	100		
86	36.2	33.7	62.5
49	188.6	59.2	110.0#

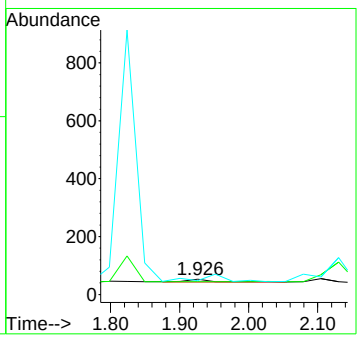


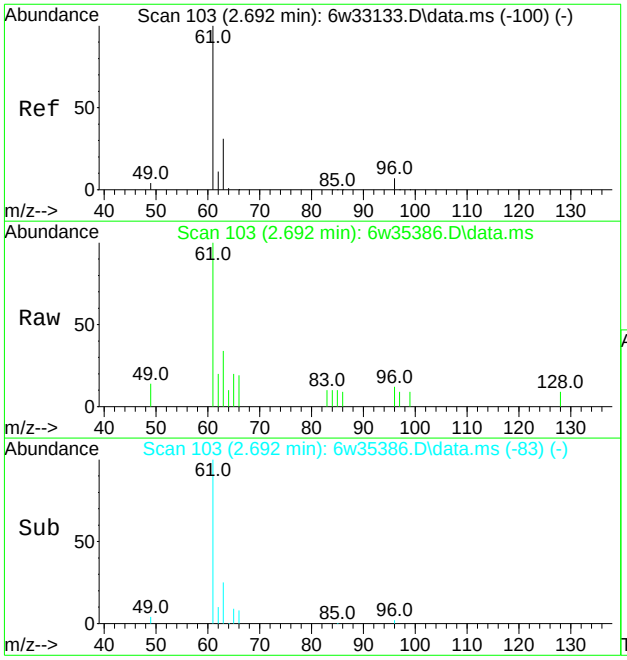


#4
Chloroethane
Concen: 0.0060 ppb(v)
RT: 1.926 min Scan# 73
Delta R.T. -0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion: 64 Resp: 25

Ion	Ratio	Lower	Upper
64	100		
66	83.0	24.2	45.0#
49	90.6	22.9	42.5#

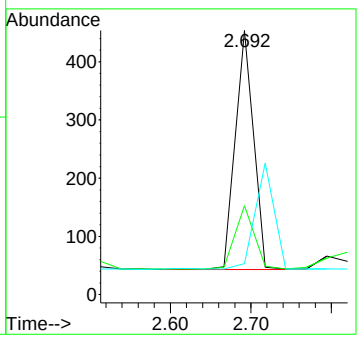


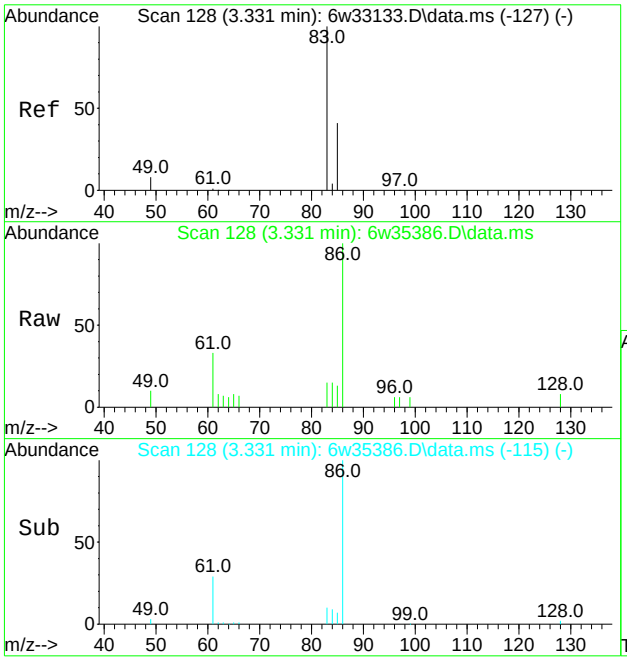


#6
trans-1,2-Dichloroethene
Concen: 0.0811 ppb(v)
RT: 2.692 min Scan# 103
Delta R.T. 0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion: 61 Resp: 647

Ion	Ratio	Lower	Upper
61	100		
63	33.7	24.3	45.1
96	11.7	9.0	16.6

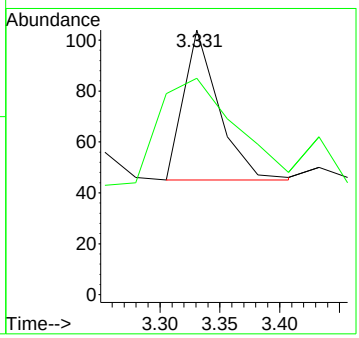


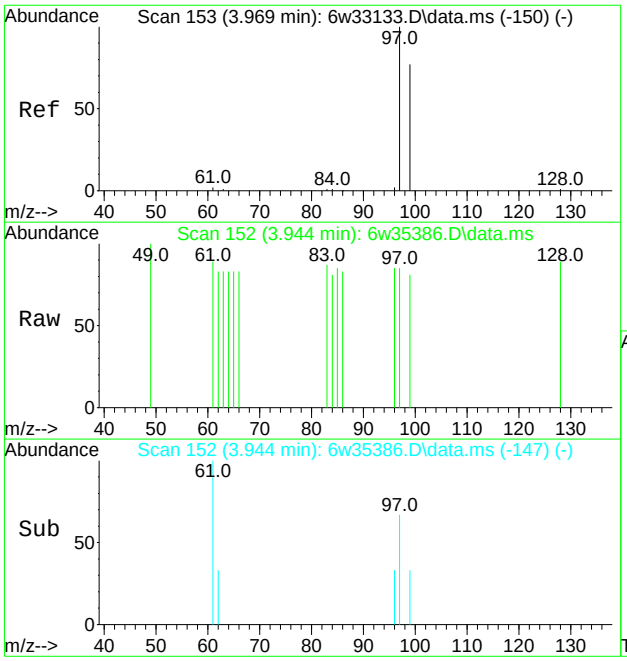


#9
Chloroform
Concen: 0.0162 ppb(v) m
RT: 3.331 min Scan# 128
Delta R.T. -0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion: 83 Resp: 121

Ion	Ratio	Lower	Upper
83	100		
85	81.7	38.9	72.2#

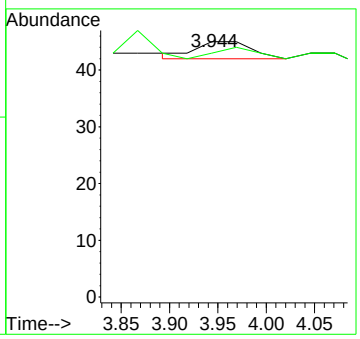


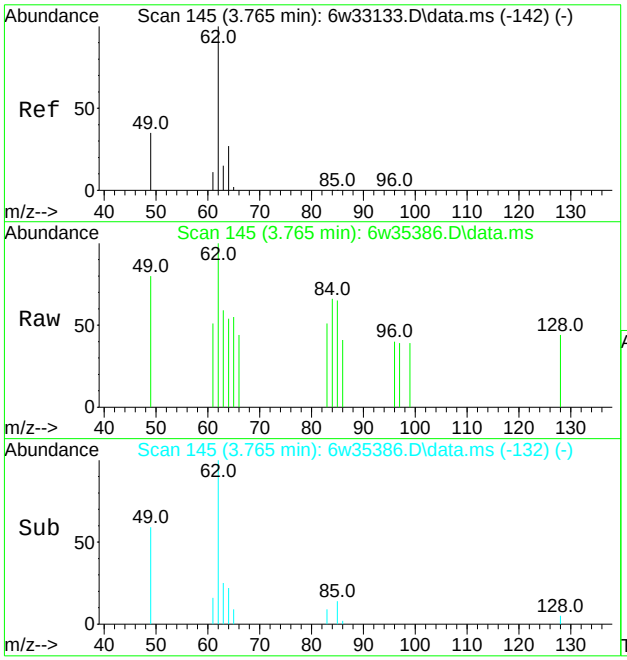


#10
1,1,1-Trichloroethane
Concen: 0.0020 ppb(v)
RT: 3.944 min Scan# 152
Delta R.T. -0.026 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion: 97 Resp: 12

Ion	Ratio	Lower	Upper
97	100		
99	95.6	55.8	103.6

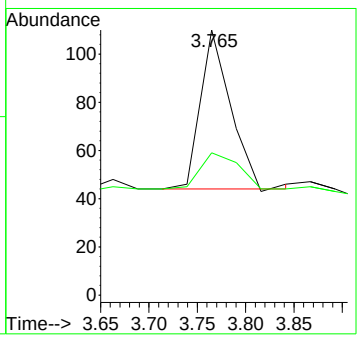


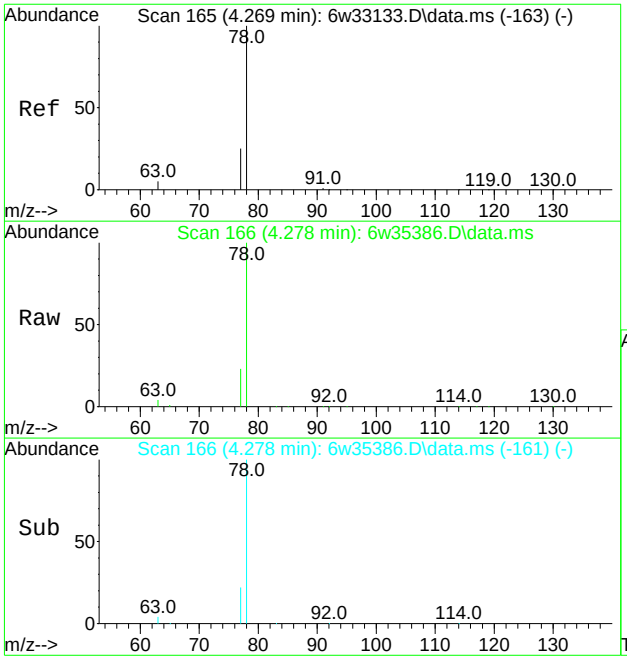


#11
1,2-Dichloroethane
Concen: 0.0243 ppb(v)
RT: 3.765 min Scan# 145
Delta R.T. -0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion: 62 Resp: 144

Ion	Ratio	Lower	Upper
62	100		
64	53.6	24.4	45.4#

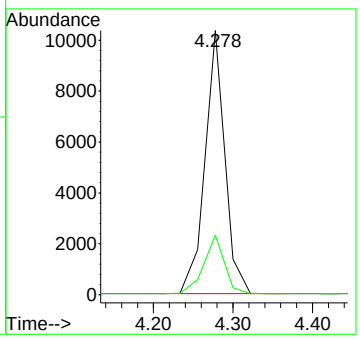


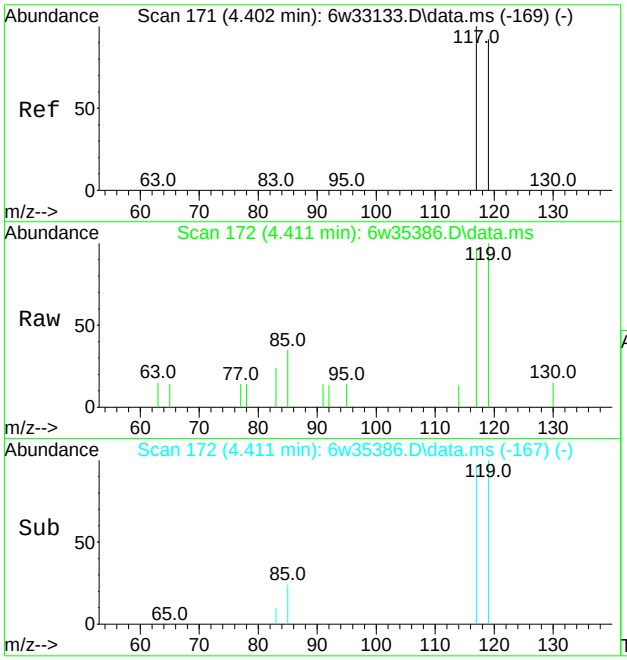


#12
Benzene
Concen: 1.7567 ppb(v)
RT: 4.278 min Scan# 166
Delta R.T. -0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion: 78 Resp: 17889

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.7	36.7

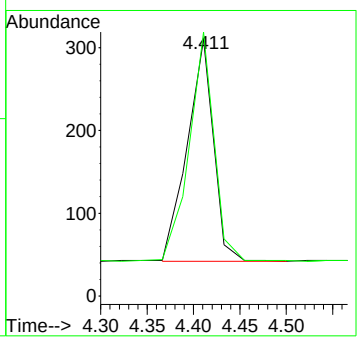


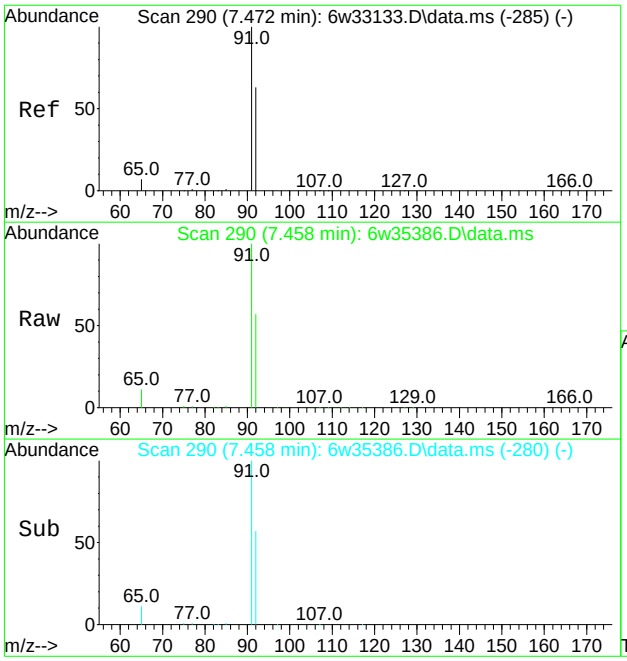


#13
Carbon Tetrachloride
Concen: 0.0839 ppb(v)
RT: 4.411 min Scan# 172
Delta R.T. -0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion:117 Resp: 527

Ion	Ratio	Lower	Upper
117	100		
119	102.9	73.0	135.6

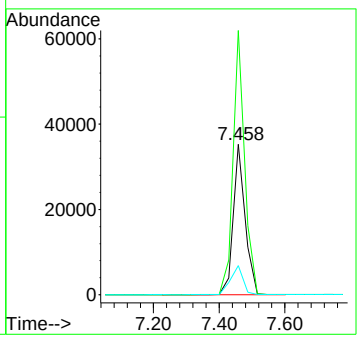


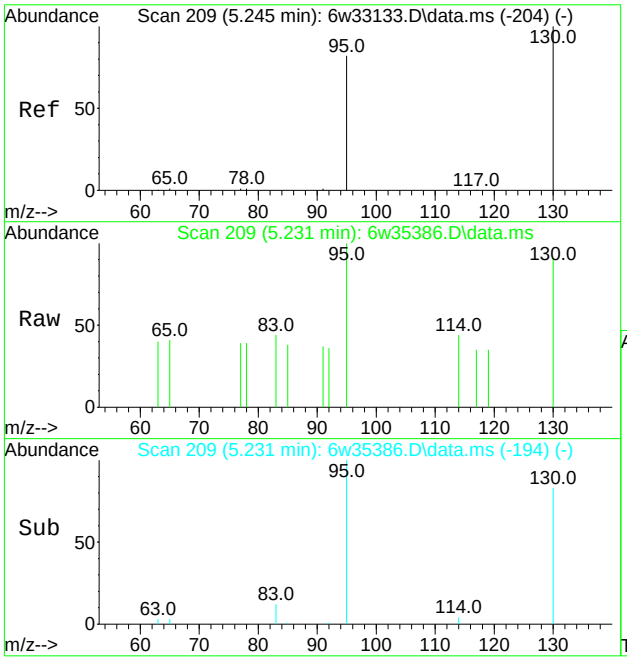


#15
Toluene
Concen: 11.9263 ppb(v)
RT: 7.458 min Scan# 290
Delta R.T. -0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion: 92 Resp: 87596

Ion	Ratio	Lower	Upper
92	100		
91	175.7	115.8	215.0
65	19.4	22.4	41.6#

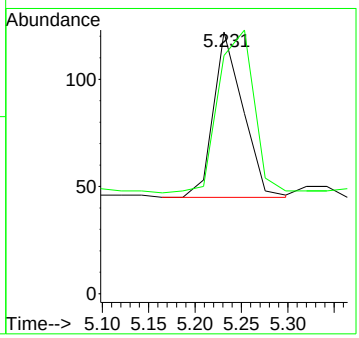


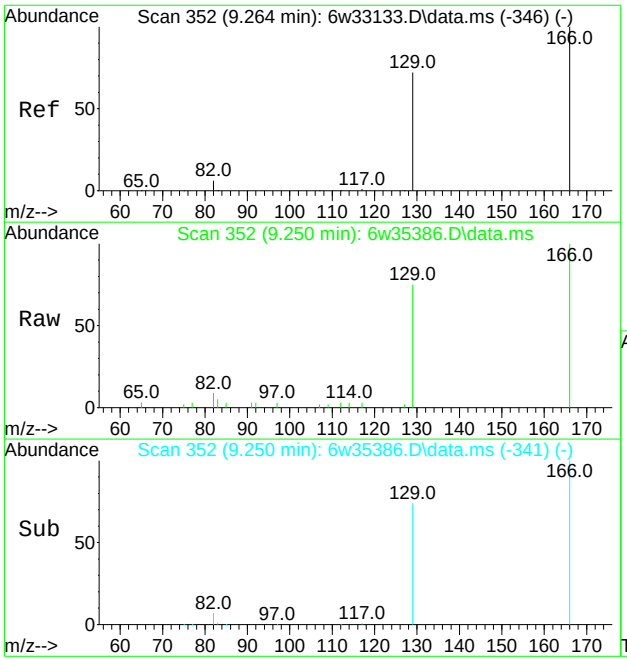


#16
Trichloroethene
Concen: 0.0325 ppb(v)
RT: 5.231 min Scan# 209
Delta R.T. 0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion: 95 Resp: 170

Ion	Ratio	Lower	Upper
95	100		
130	91.0	58.0	107.6

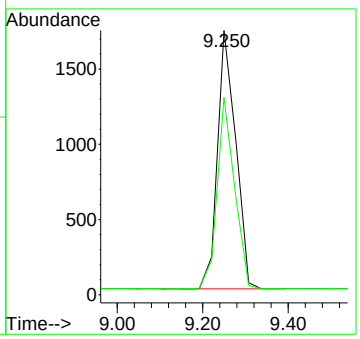


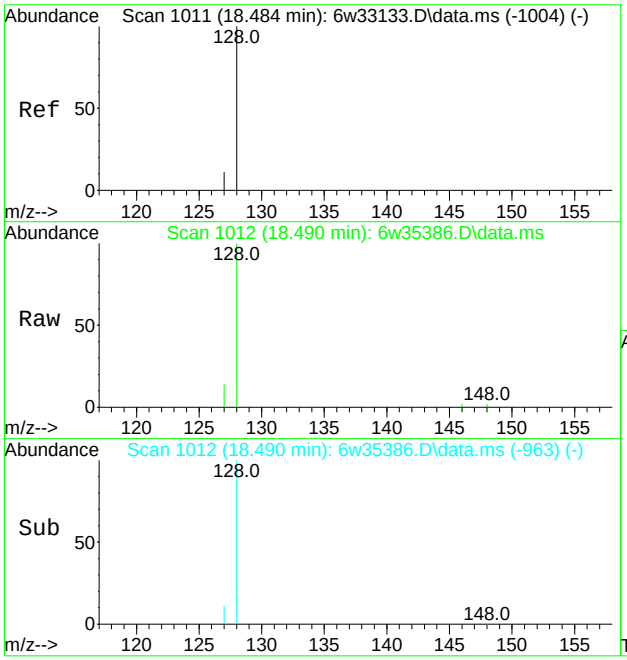


#23
Tetrachloroethene
Concen: 0.6349 ppb(v)
RT: 9.250 min Scan# 352
Delta R.T. -0.000 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion:166 Resp: 5083

Ion	Ratio	Lower	Upper
166	100		
129	74.7	57.2	106.2

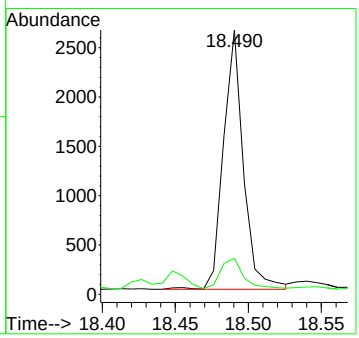




#32
Naphthalene
Concen: 0.1252 ppb(v)
RT: 18.490 min Scan# 1012
Delta R.T. 0.013 min
Lab File: 6w35386.D
Acq: 5 Apr 2025 9:05 am

Tgt Ion:128 Resp: 2503

Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.9	18.5



Manual Integration Approval Summary

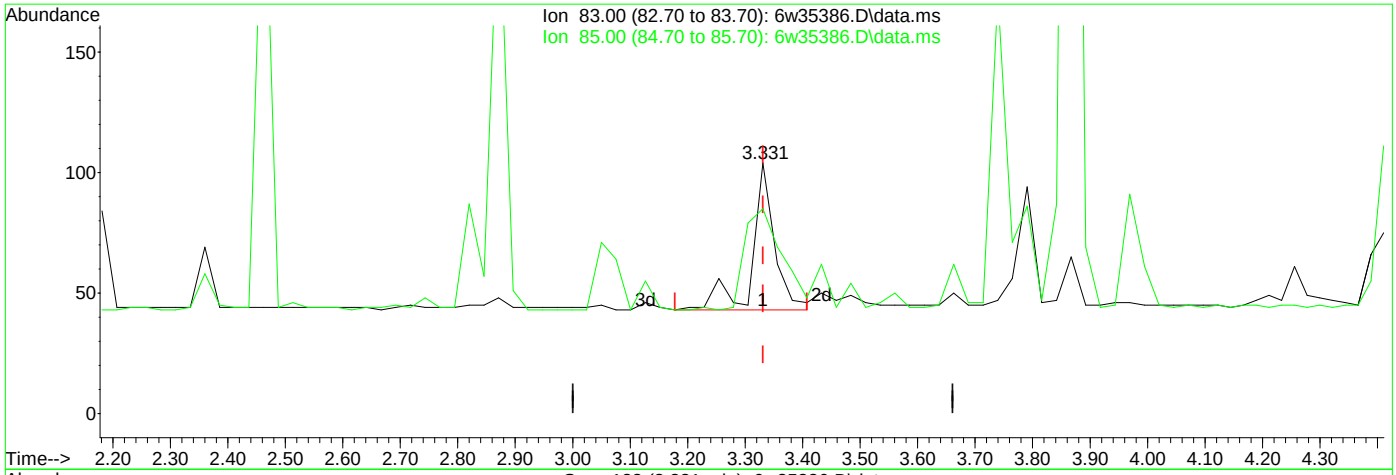
Sample Number: JE8598-6
Lab FileID: 6W35386.D
Injection Time: 04/05/25 09:05
Method: TO-15 (BY SIM)
Analyst approved: 04/07/25 00:29 Lucky Carandang
Supervisor approved: 04/08/25 22:13 Kanya Veerawat

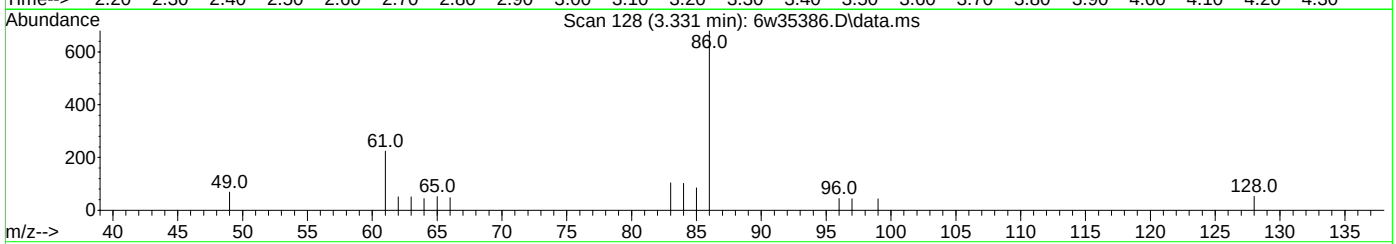
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak

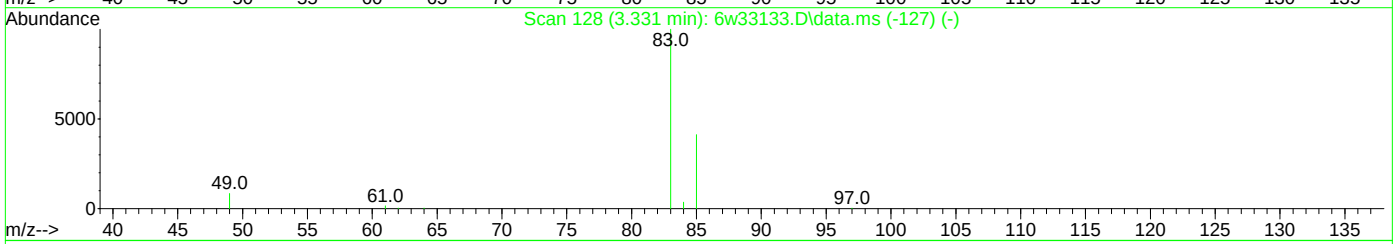
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35386.D
Acq On : 5 Apr 2025 9:05 am
Operator : benk
Sample : je8598-6 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 07 01:16:50 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35386.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.02ppb(v)

response 164

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	81.73#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/08/25 22:13

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\4. April\04-07-2025\v6w1468\
Data File : 6w35387.D
Acq On : 5 Apr 2025 9:47 am
Operator : benk
Sample : je8598-10 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 08 23:36:53 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

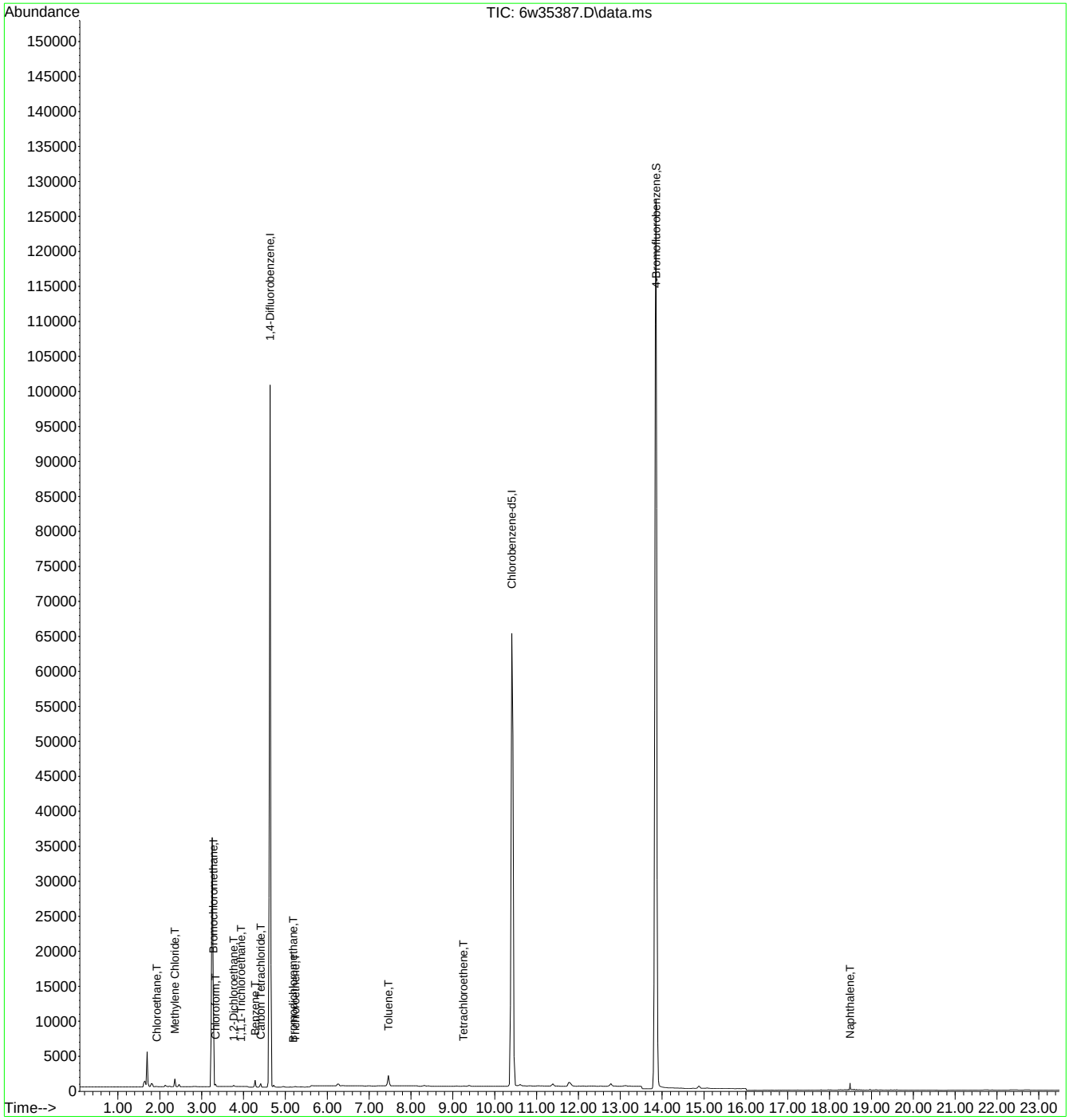
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	28229	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	156890	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	67905	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	99844	9.98	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.80%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	740	0.1890	ppb(v	94
4) Chloroethane	1.926	64	20	0.0052	ppb(v#	6
9) Chloroform	3.331	83	149m	0.0215	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	11	0.0020	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	139	0.0253	ppb(v#	69
12) Benzene	4.278	78	1414	0.1494	ppb(v	96
13) Carbon Tetrachloride	4.411	117	508	0.0870	ppb(v	98
15) Toluene	7.458	92	1226	0.1666	ppb(v	96
16) Trichloroethene	5.231	95	104	0.0199	ppb(v	84
18) Bromodichloromethane	5.187	83	28	0.0039	ppb(v	86
23) Tetrachloroethene	9.250	166	71	0.0089	ppb(v	90
32) Naphthalene	18.490	128	857	0.0429	ppb(v	95

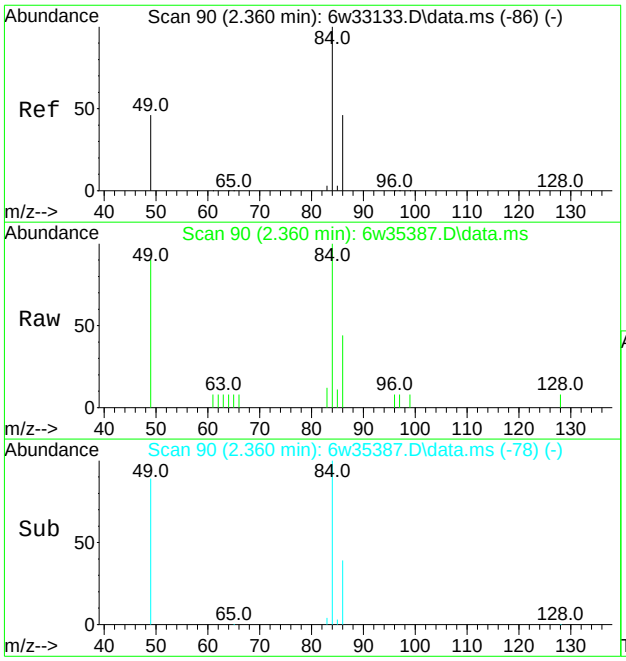
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\4. April\04-07-2025\v6w1468\
Data File : 6w35387.D
Acq On : 5 Apr 2025 9:47 am
Operator : benk
Sample : je8598-10 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 08 23:36:53 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

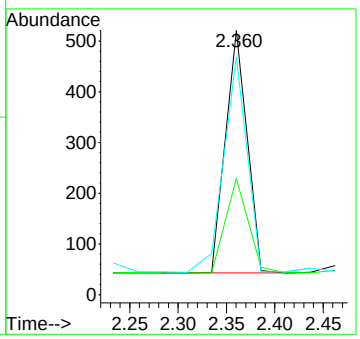


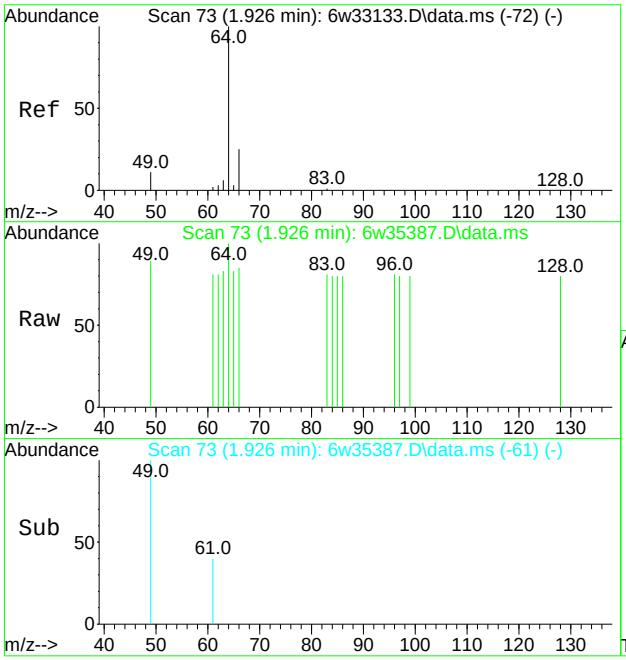


#2
Methylene Chloride
Concen: 0.1890 ppb(v)
RT: 2.360 min Scan# 90
Delta R.T. 0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion: 84 Resp: 740

Ion	Ratio	Lower	Upper
84	100		
86	44.0	33.7	62.5
49	90.0	59.2	110.0

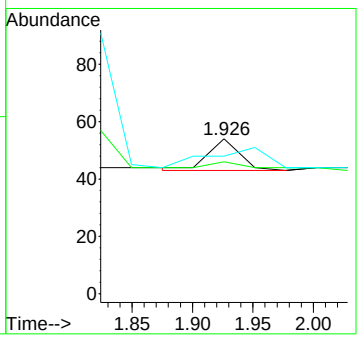


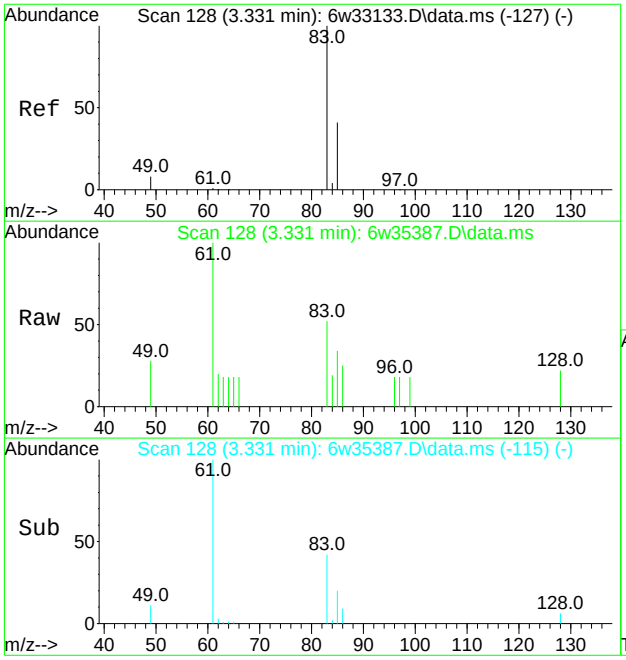


#4
Chloroethane
Concen: 0.0052 ppb(v)
RT: 1.926 min Scan# 73
Delta R.T. -0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion: 64 Resp: 20

Ion	Ratio	Lower	Upper
64	100		
66	85.2	24.2	45.0#
49	88.9	22.9	42.5#

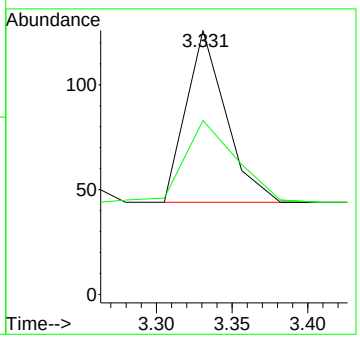


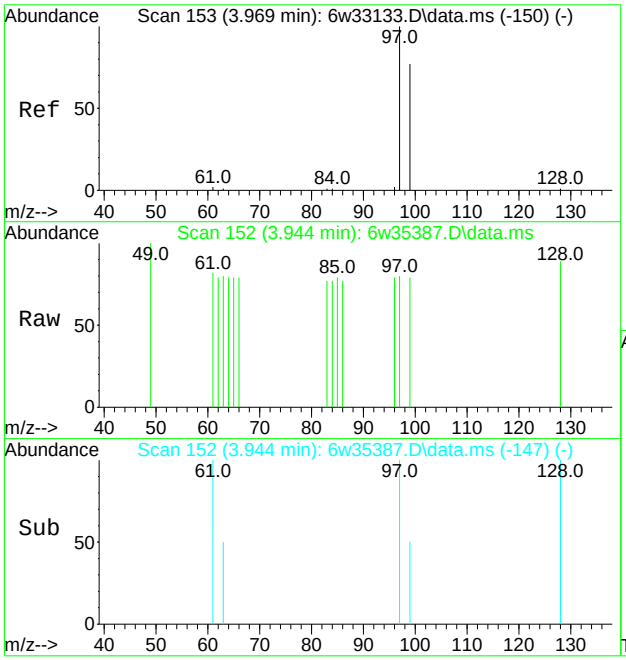


#9
Chloroform
Concen: 0.0215 ppb(v) m
RT: 3.331 min Scan# 128
Delta R.T. -0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion: 83 Resp: 149

Ion	Ratio	Lower	Upper
83	100		
85	65.9	38.9	72.2

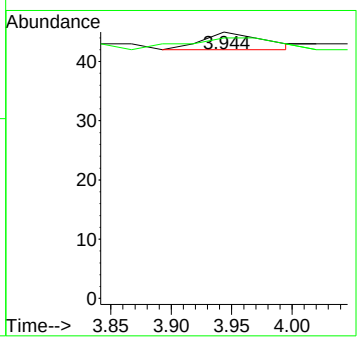


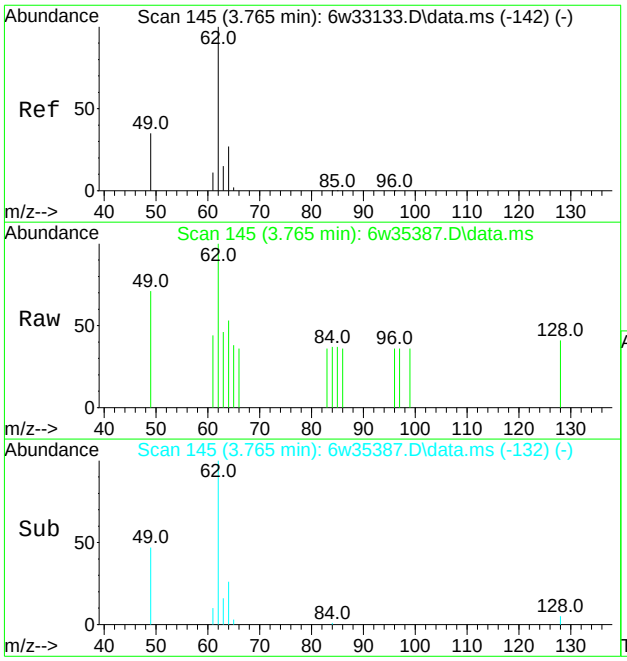


#10
1,1,1-Trichloroethane
Concen: 0.0020 ppb(v)
RT: 3.944 min Scan# 152
Delta R.T. -0.026 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion: 97 Resp: 11

Ion	Ratio	Lower	Upper
97	100		
99	97.8	55.8	103.6

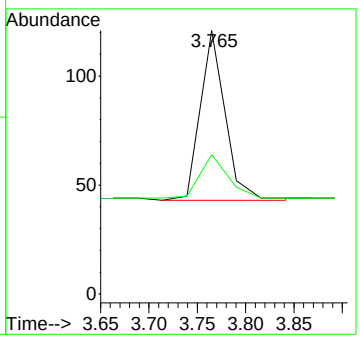


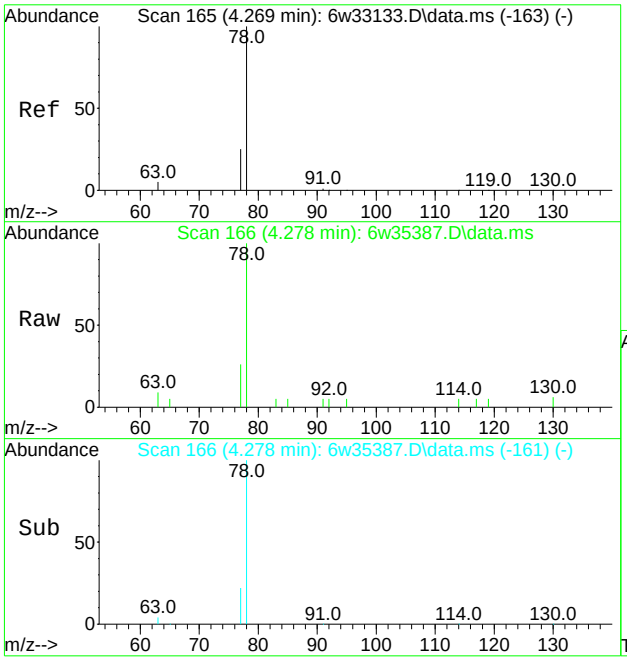


#11
1,2-Dichloroethane
Concen: 0.0253 ppb(v)
RT: 3.765 min Scan# 145
Delta R.T. -0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion: 62 Resp: 139

Ion	Ratio	Lower	Upper
62	100		
64	52.9	24.4	45.4#

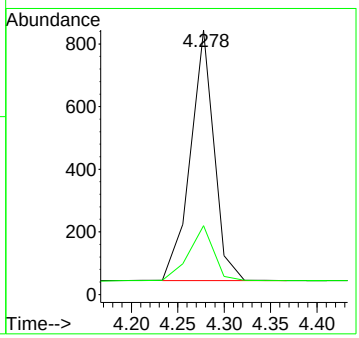


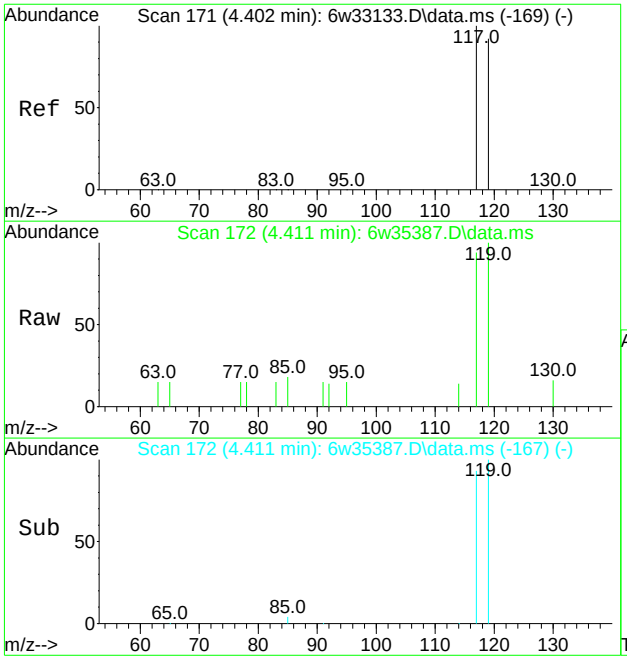


#12
Benzene
Concen: 0.1494 ppb(v)
RT: 4.278 min Scan# 166
Delta R.T. -0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion: 78 Resp: 1414

Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.7	36.7

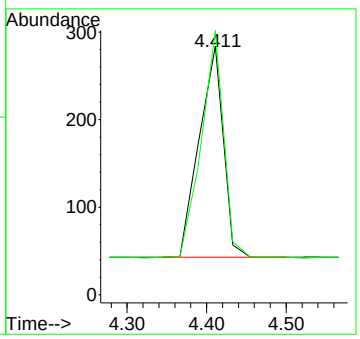


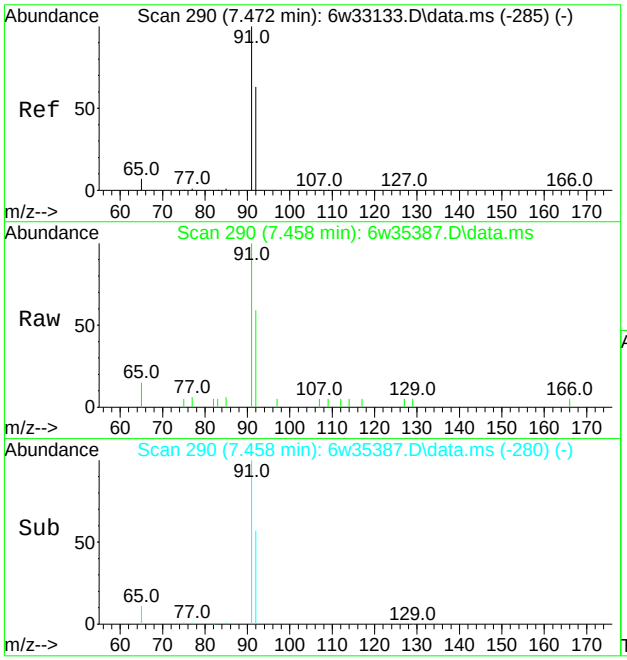


#13
Carbon Tetrachloride
Concen: 0.0870 ppb(v)
RT: 4.411 min Scan# 172
Delta R.T. -0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion:117 Resp: 508

Ion	Ratio	Lower	Upper
117	100		
119	106.3	73.0	135.6

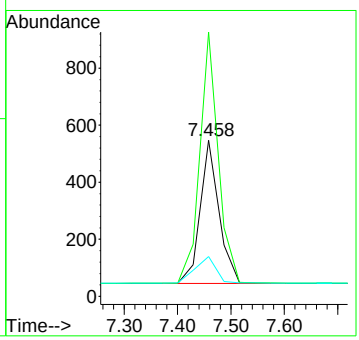


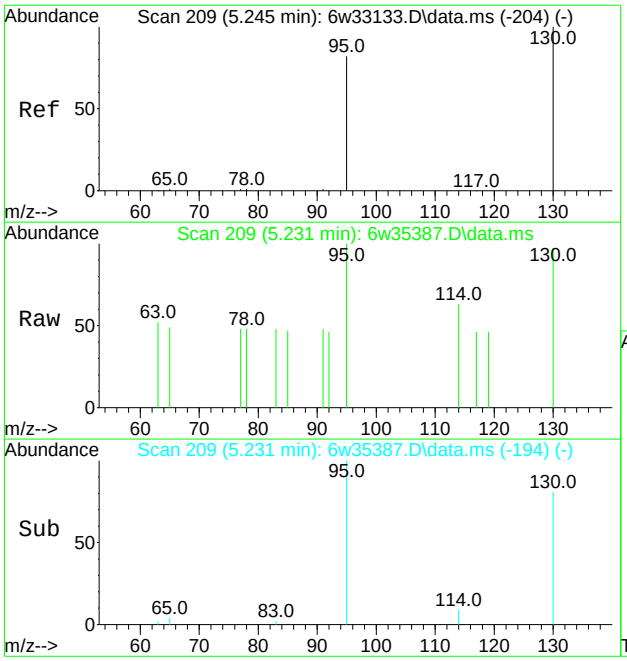


#15
Toluene
Concen: 0.1666 ppb(v)
RT: 7.458 min Scan# 290
Delta R.T. -0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion: 92 Resp: 1226

Ion	Ratio	Lower	Upper
92	100		
91	169.5	115.8	215.0
65	25.6	22.4	41.6

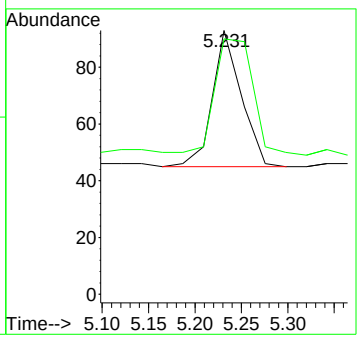


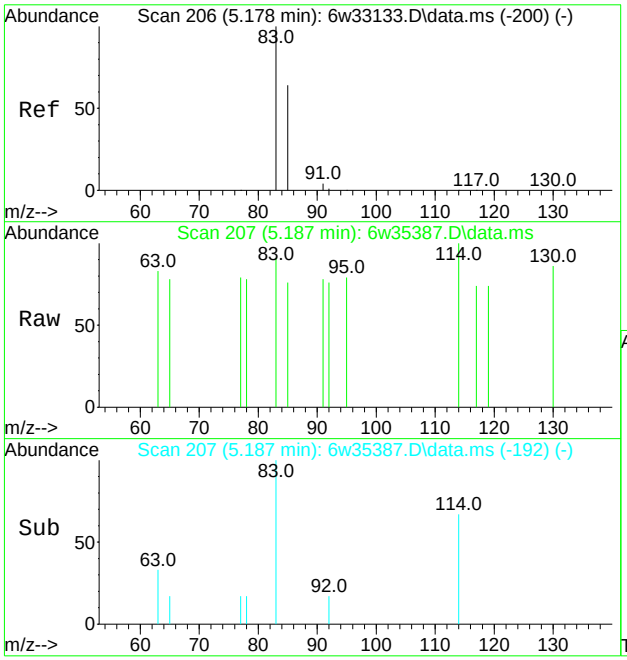


#16
Trichloroethene
Concen: 0.0199 ppb(v)
RT: 5.231 min Scan# 209
Delta R.T. 0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion: 95 Resp: 104

Ion	Ratio	Lower	Upper
95	100		
130	96.8	58.0	107.6

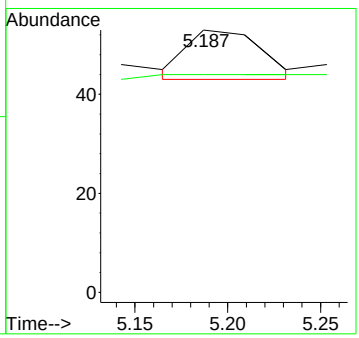


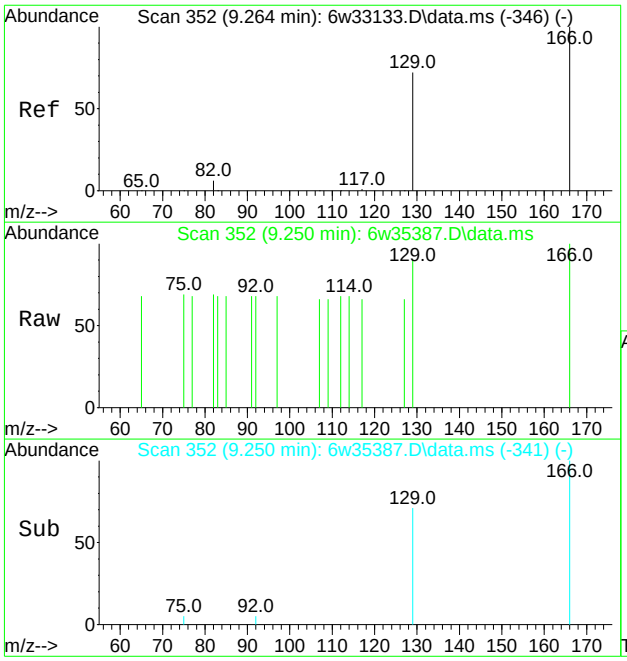


#18
Bromodichloromethane
Concen: 0.0039 ppb(v)
RT: 5.187 min Scan# 207
Delta R.T. -0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion: 83 Resp: 28

Ion	Ratio	Lower	Upper
83	100		
85	83.0	50.0	93.0

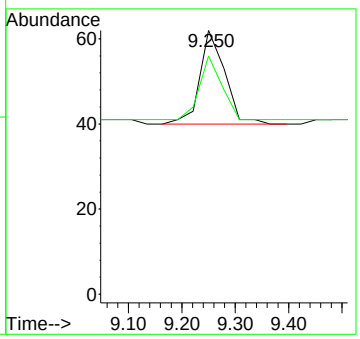


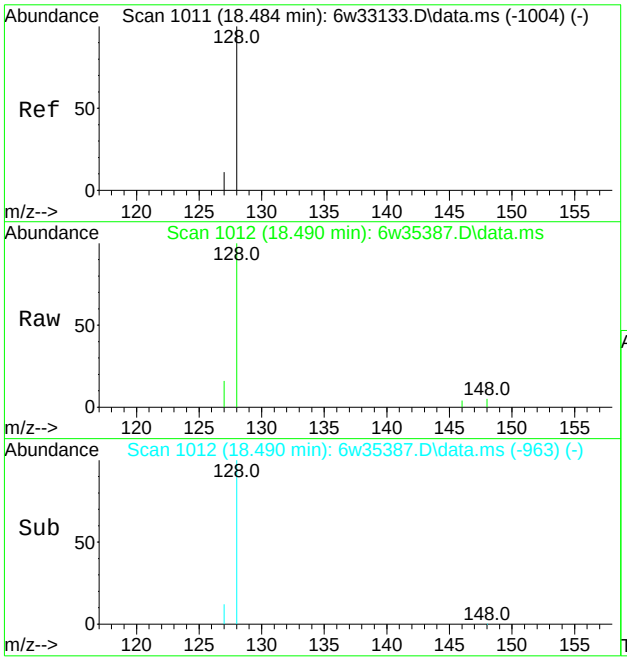


#23
Tetrachloroethene
Concen: 0.0089 ppb(v)
RT: 9.250 min Scan# 352
Delta R.T. 0.000 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion:166 Resp: 71

Ion	Ratio	Lower	Upper
166	100		
129	90.3	57.2	106.2

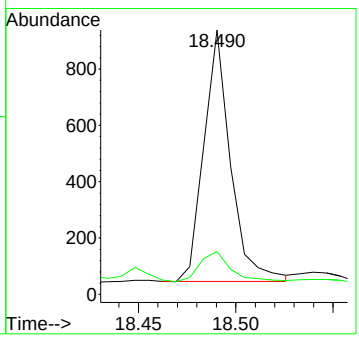




#32
Naphthalene
Concen: 0.0429 ppb(v)
RT: 18.490 min Scan# 1012
Delta R.T. 0.013 min
Lab File: 6w35387.D
Acq: 5 Apr 2025 9:47 am

Tgt Ion:128 Resp: 857

Ion	Ratio	Lower	Upper
128	100		
127	16.3	9.9	18.5



Manual Integration Approval Summary

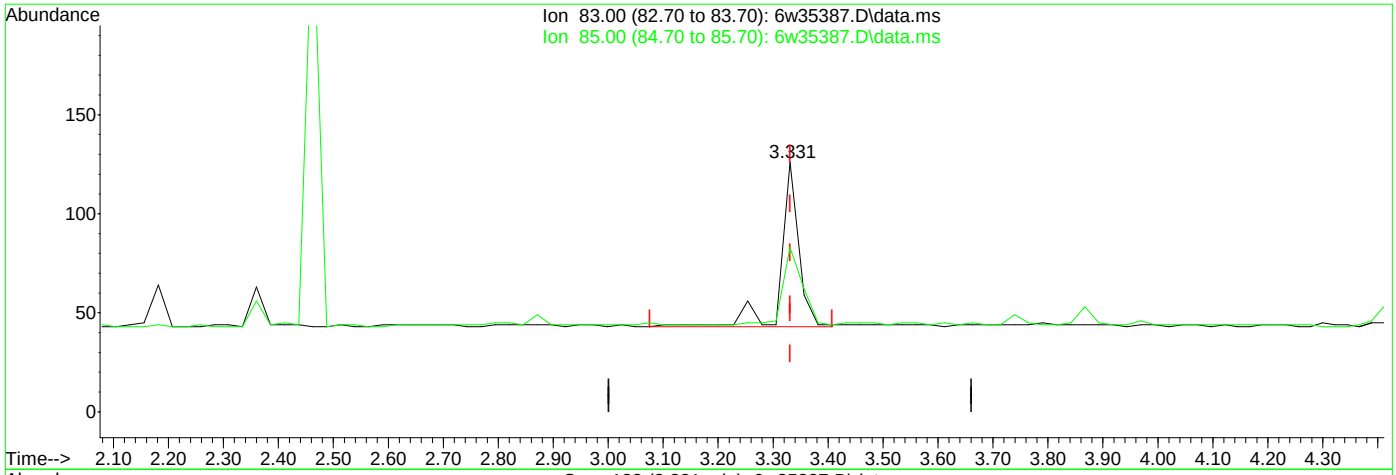
Sample Number: JE8598-10
Lab FileID: 6W35387.D
Injection Time: 04/05/25 09:47
Method: TO-15 (BY SIM)
Analyst approved: 04/07/25 00:29 Lucky Carandang
Supervisor approved: 04/08/25 22:13 Kanya Veerawat

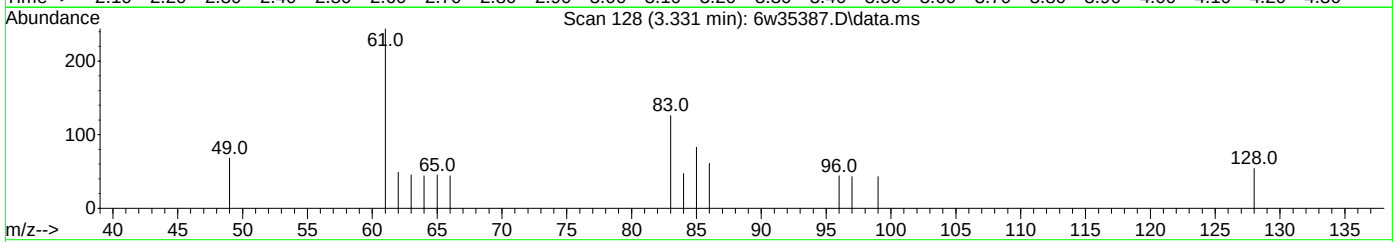
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak

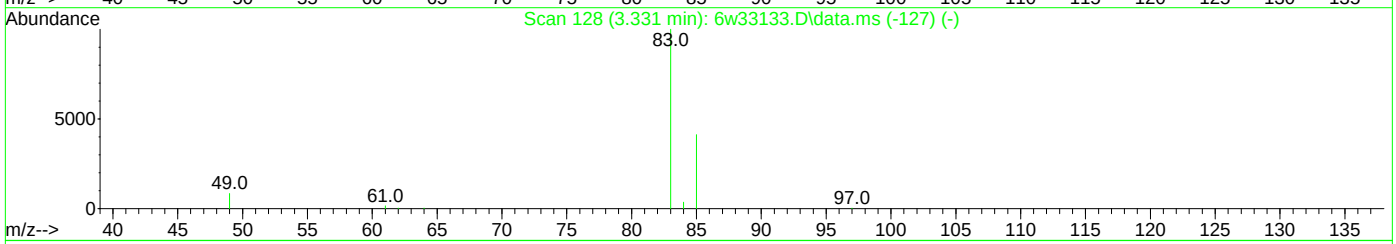
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35387.D
Acq On : 5 Apr 2025 9:47 am
Operator : benk
Sample : je8598-10 Inst : GCMS6W
Misc : MS91253,v6w1468,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 07 01:16:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35387.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.03ppb(v)

response 187

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	65.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14399.D
Acq On : 13 Apr 2025 5:52 pm
Operator : benk
Sample : mb Inst : MS7W
Misc : MS91197,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:39:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

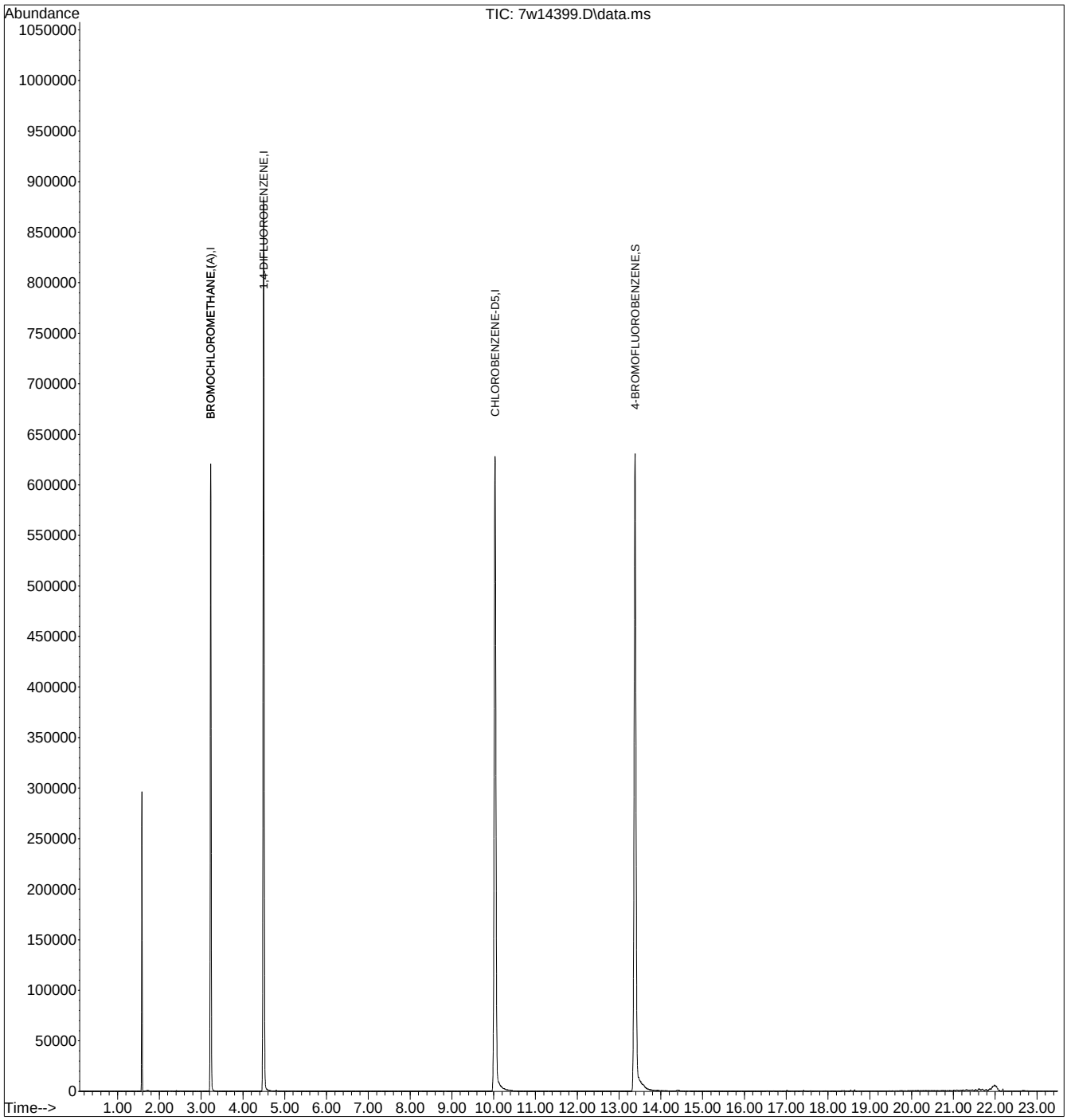
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	129882	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	672546	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.035	117	619305	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	129884	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.382	95	452680	10.07	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14399.D
Acq On : 13 Apr 2025 5:52 pm
Operator : benk
Sample : mb Inst : MS7W
Misc : MS91197,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:39:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11822.D
Acq On : 16 Jan 2025 2:19 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS88749,v7w423,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 23:07:05 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

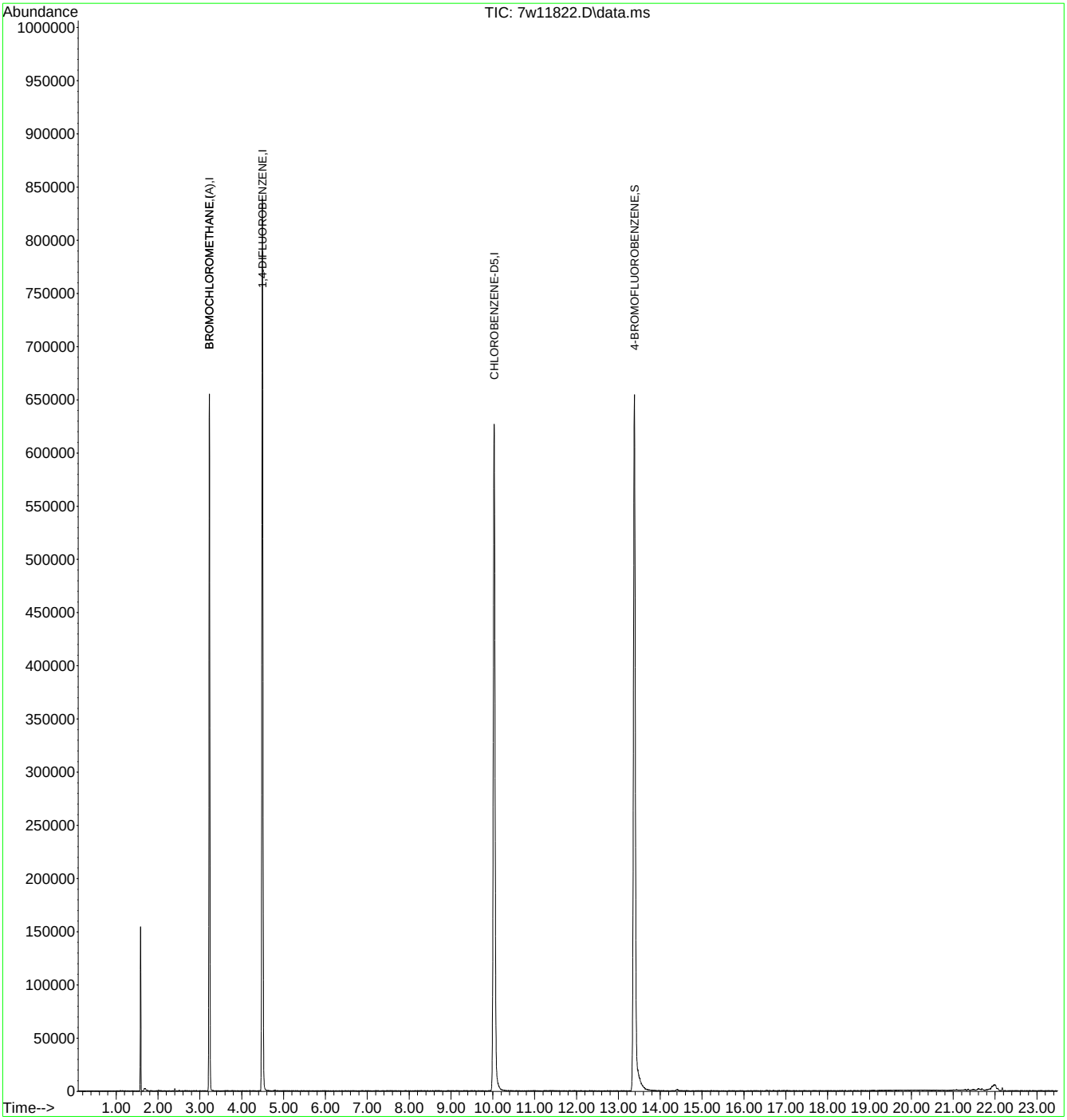
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	124743	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	634881	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	589400	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	124743	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.382	95	443808	10.38	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11822.D
Acq On : 16 Jan 2025 2:19 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS88749,v7w423,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 16 23:07:05 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11857.D
Acq On : 17 Jan 2025 4:04 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 04:54:22 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

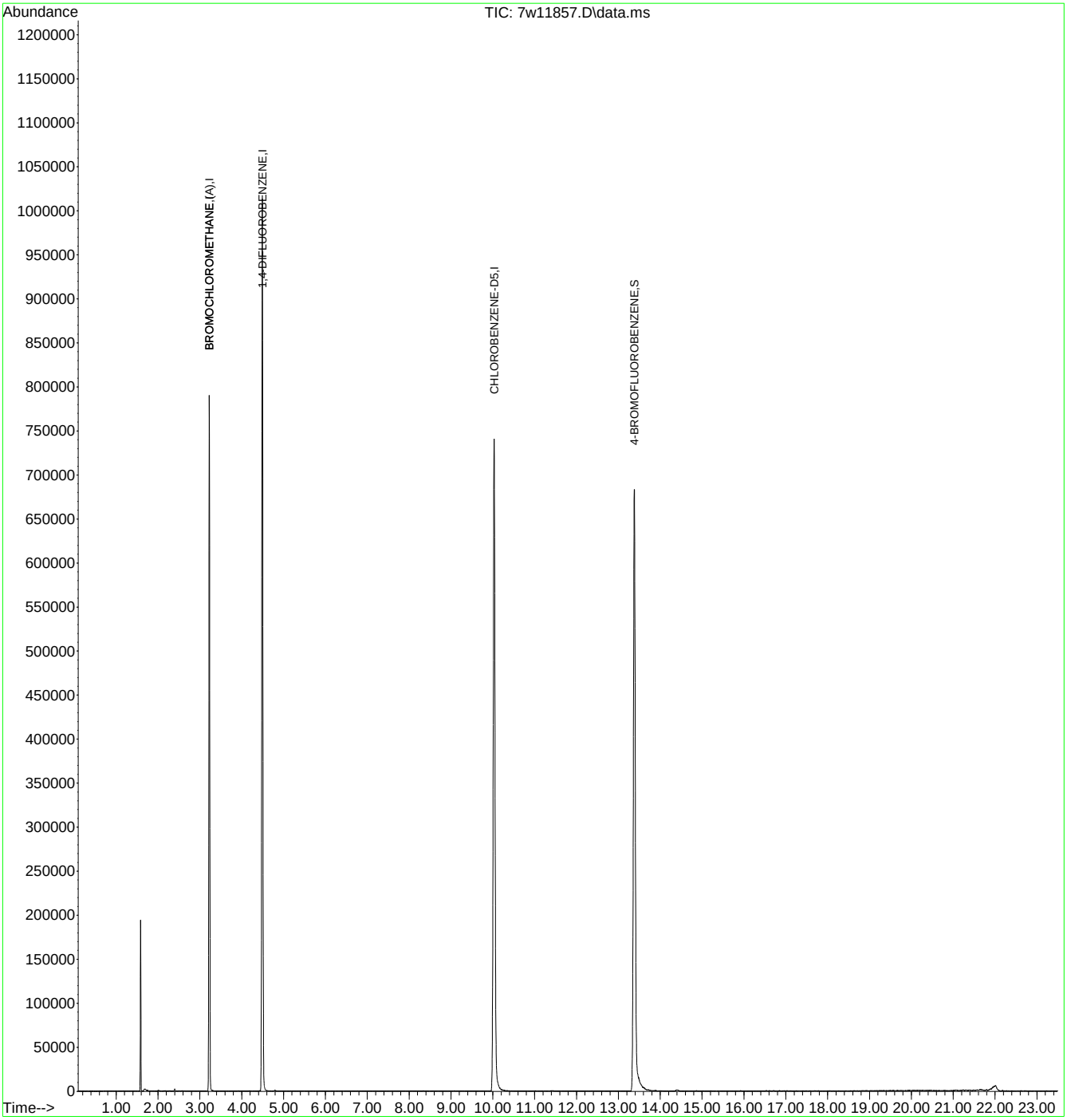
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	148725	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	750166	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	687795	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	148725	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	456967	9.16	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11857.D
Acq On : 17 Jan 2025 4:04 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 04:54:22 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11934.D
Acq On : 20 Jan 2025 2:09 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 20 16:18:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

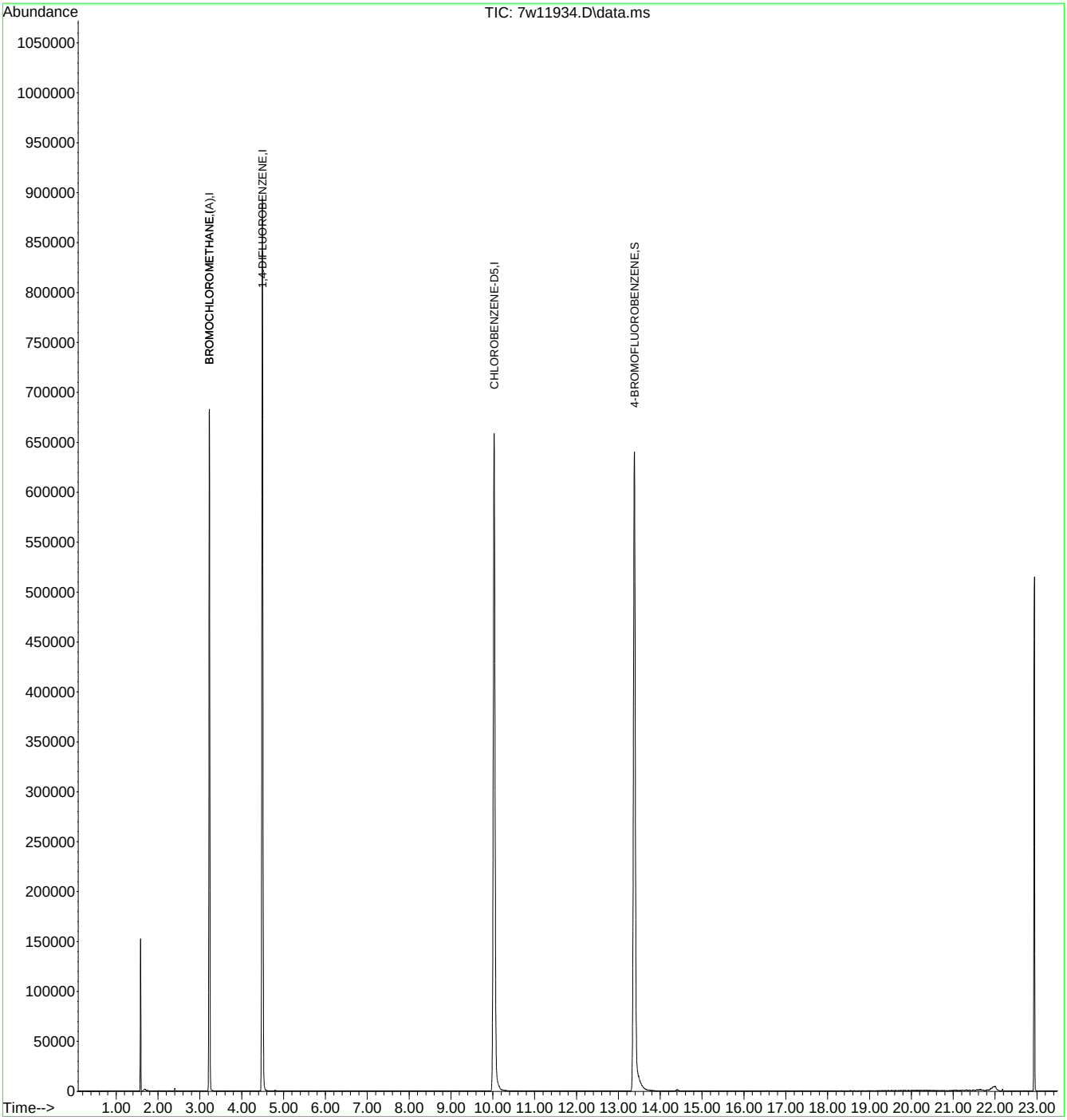
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	130128	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	657943	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	602284	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	130128	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	428575	9.81	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11934.D
Acq On : 20 Jan 2025 2:09 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 20 16:18:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56377.D
Acq On : 24 Jan 2025 3:16 pm
Operator : williamc
Sample : mb Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:17:48 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

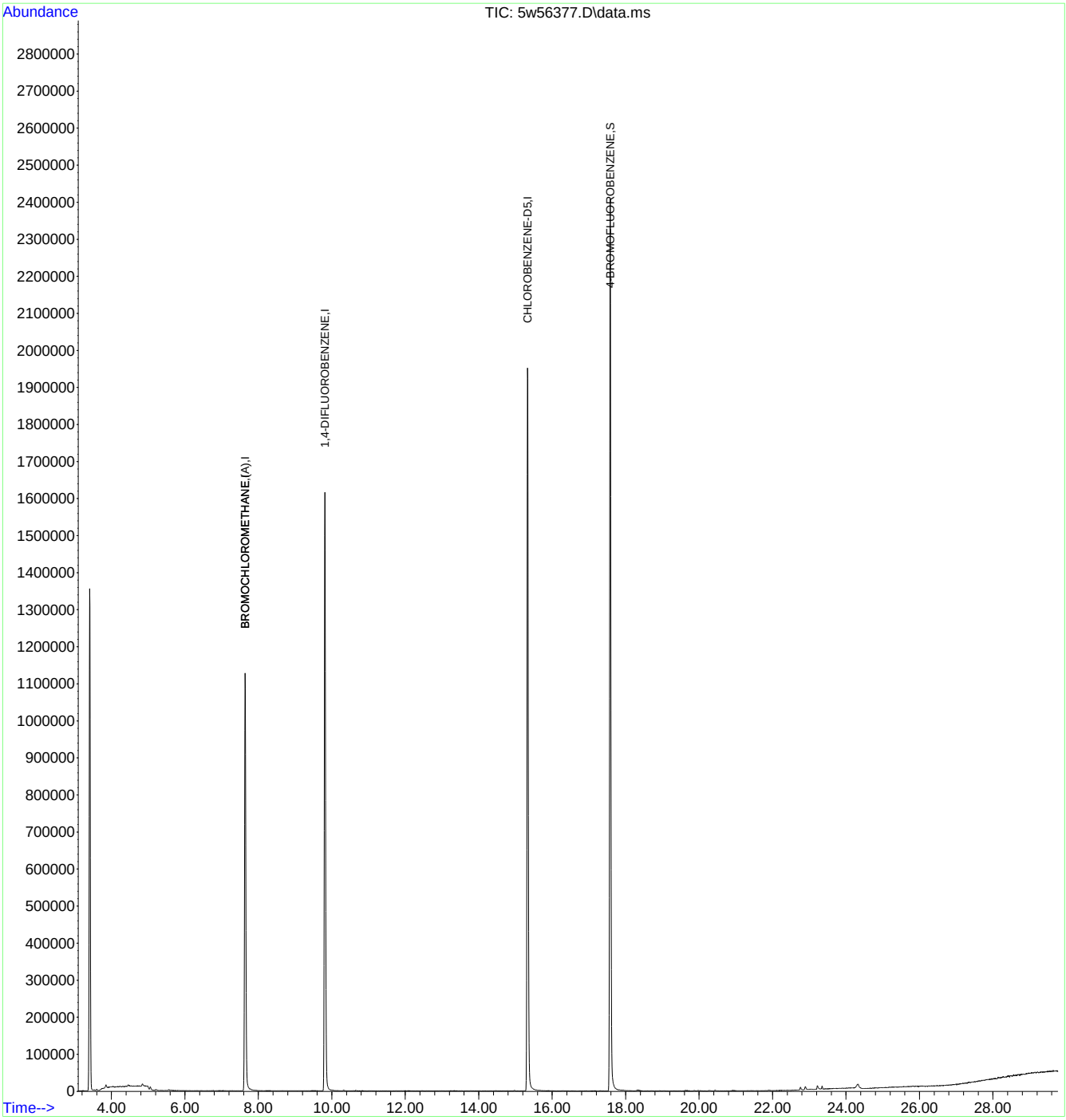
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.638	128	369040	10.00	PPBV	#-0.01
51) 1,4-DIFLUOROBENZENE	9.810	114	1670762	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	722257	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.638	128	369040	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	995915	11.71	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 117.10%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56377.D
Acq On : 24 Jan 2025 3:16 pm
Operator : williamc
Sample : mb Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:17:48 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12106.D
Acq On : 25 Jan 2025 8:59 pm
Operator : benk
Sample : mb
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 26 01:23:03 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

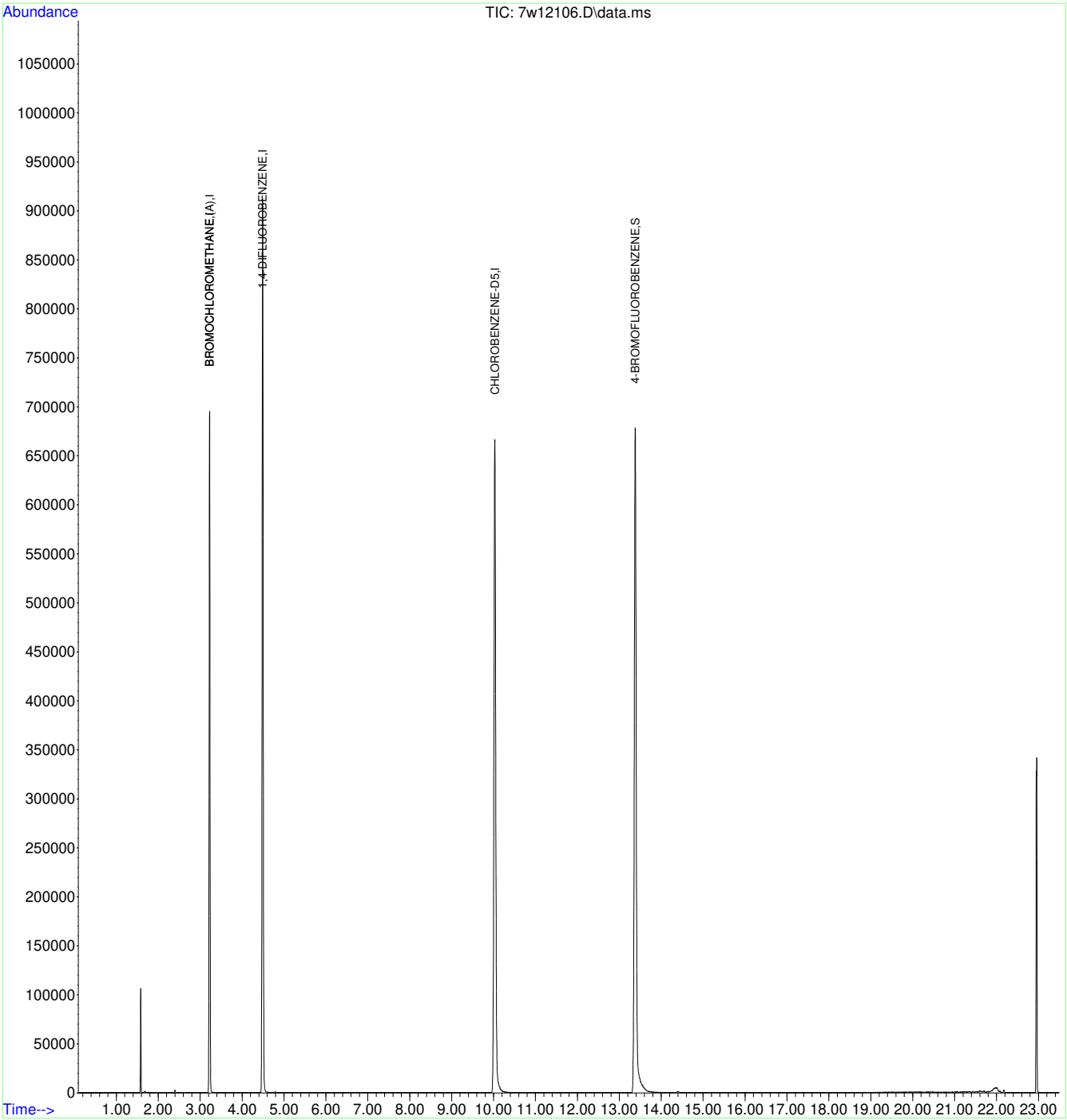
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	136282	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.489	114	689881	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	631693	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	136282	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	457862	9.99	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12106.D
Acq On : 25 Jan 2025 8:59 pm
Operator : benk
Sample : mb
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 26 01:23:03 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13014.D
Acq On : 26 Feb 2025 12:26 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS89750,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:11:51 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

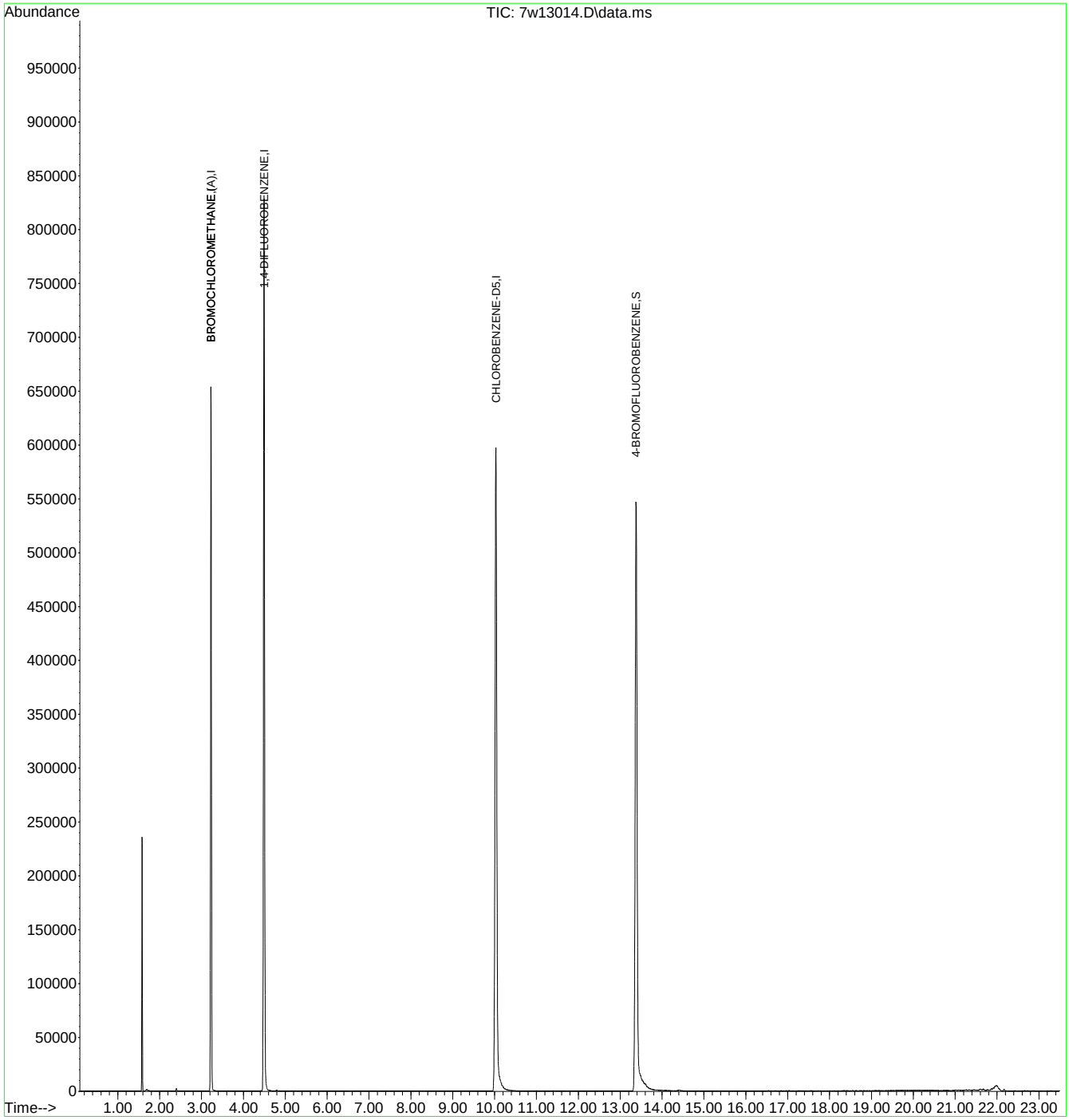
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	134868	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	669443	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	608398	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	134868	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.376	95	389917	8.83	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13014.D
Acq On : 26 Feb 2025 12:26 pm
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS89750,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:11:51 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35369.D
Acq On : 4 Apr 2025 8:26 pm
Operator : benk
Sample : mb Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 07 01:24:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

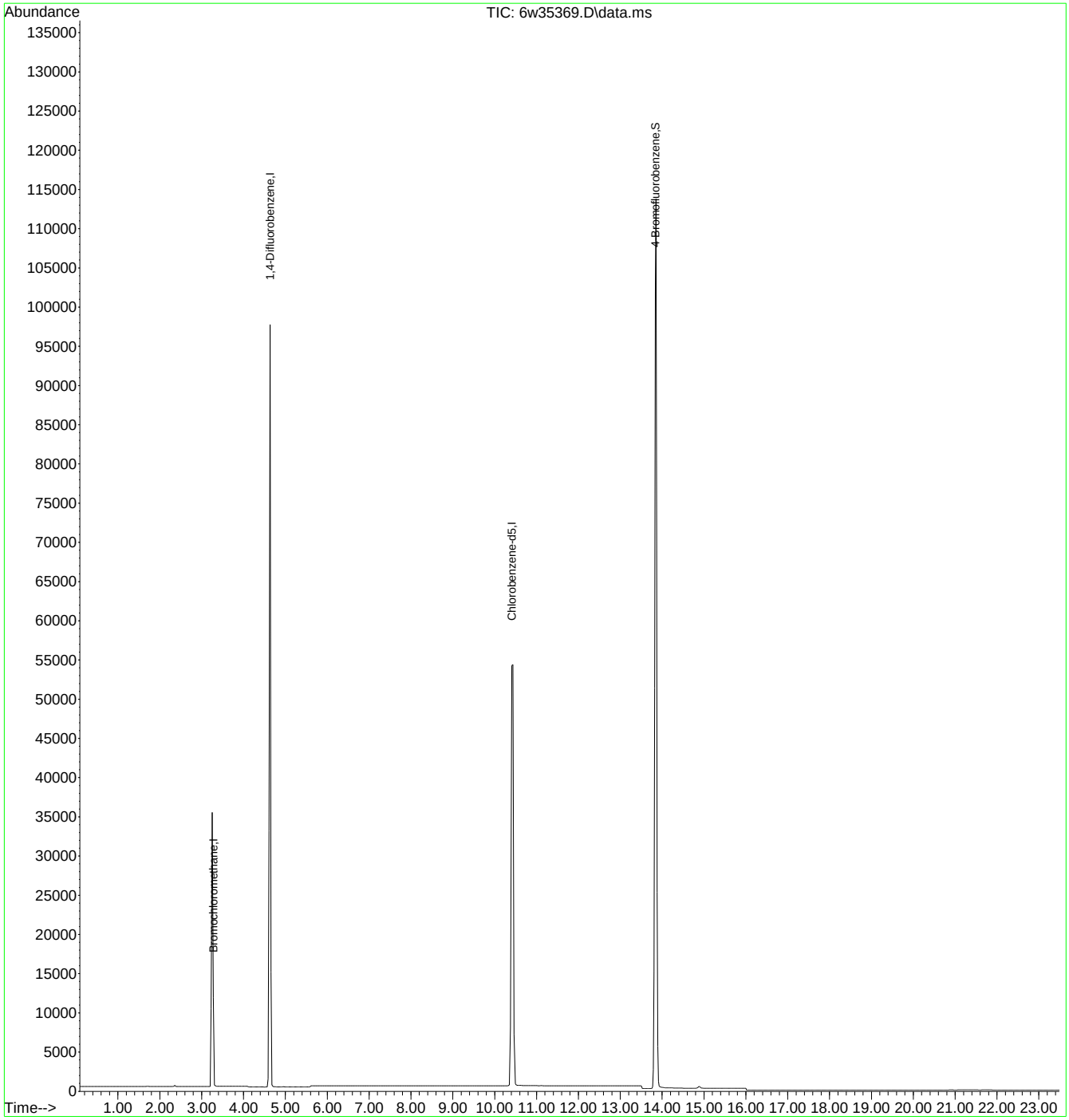
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	28736	10.00	ppb(v	# 0.00
14) 1,4-Difluorobenzene	4.632	114	156567	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	63706	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	90697	9.66	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 96.60%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35369.D
Acq On : 4 Apr 2025 8:26 pm
Operator : benk
Sample : mb Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 07 01:24:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34753.D
Acq On : 30 Jan 2025 9:08 pm
Operator : benk
Sample : mb Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 27 03:18:25 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

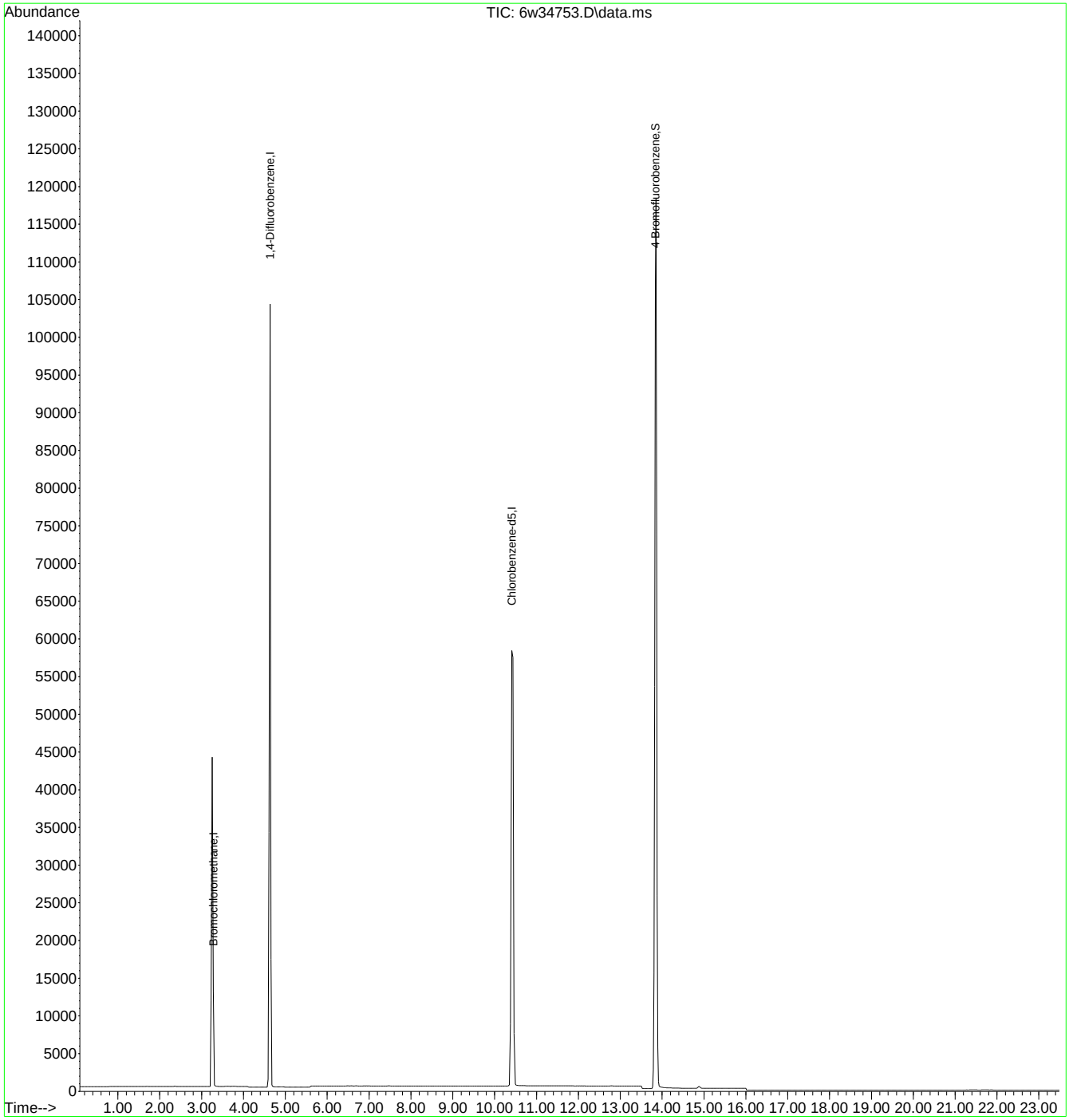
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	30057	10.00	ppb(v	# 0.00
14) 1,4-Difluorobenzene	4.633	114	163932	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	71523	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	100047	9.49	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 94.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34753.D
Acq On : 30 Jan 2025 9:08 pm
Operator : benk
Sample : mb Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 27 03:18:25 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35018.D
Acq On : 25 Feb 2025 6:11 pm
Operator : thomash
Sample : mb
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 26 13:40:22 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

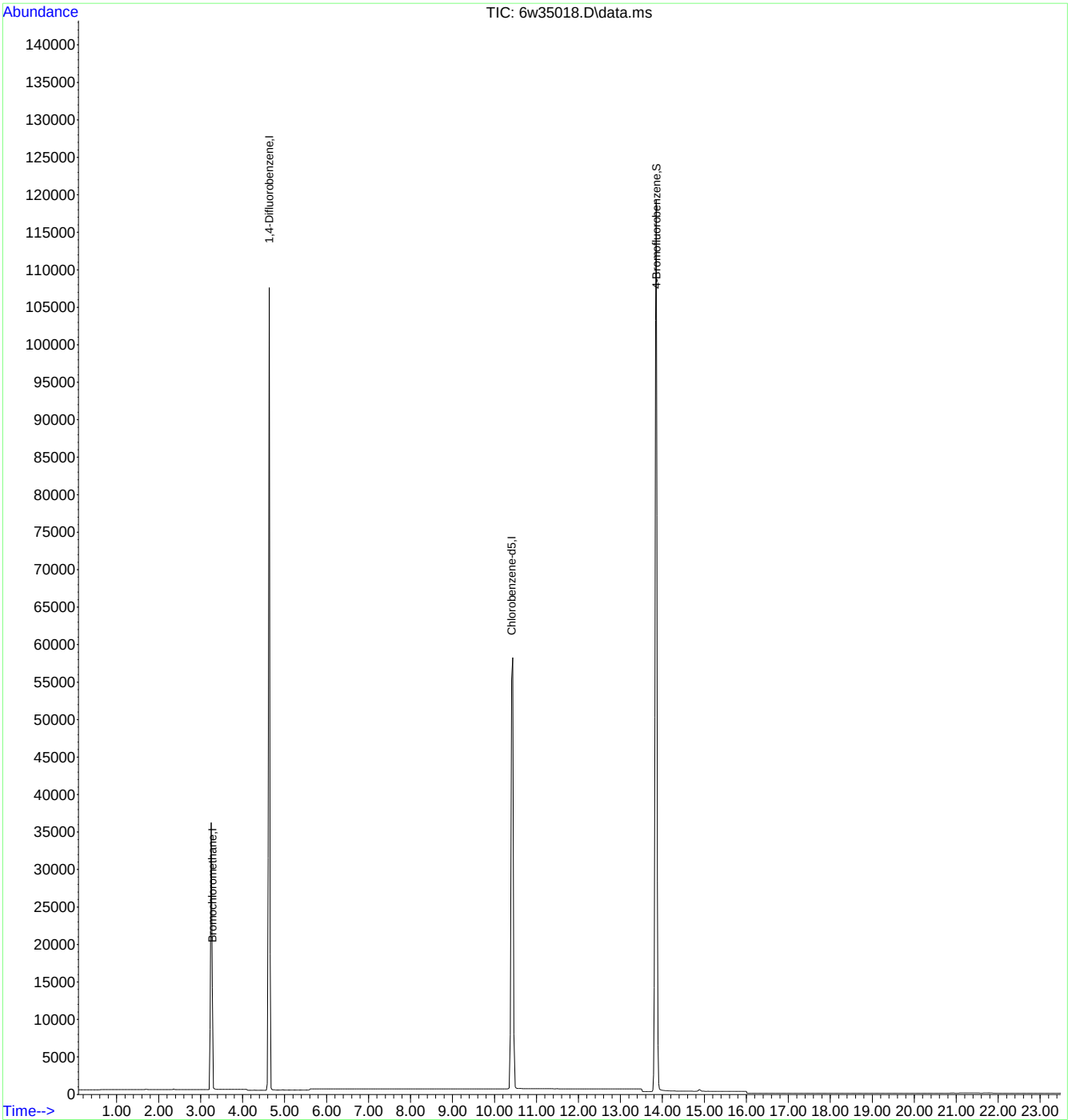
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	31456	10.00	ppb(v	# 0.00
14) 1,4-Difluorobenzene	4.632	114	169804	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	67257	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	92112	9.30	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 93.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35018.D
Acq On : 25 Feb 2025 6:11 pm
Operator : thomash
Sample : mb
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 26 13:40:22 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14396.D
Acq On : 13 Apr 2025 3:50 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:29:33 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.232	128	124951	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	641597	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.035	117	611410	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.232	128	124933	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	496283	11.19	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	77712	13.0601	PPBV	#	81
4) CHLORODIFLUOROMETHANE	1.640	67	33723	11.1639	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.650	116	169803	11.6698	PPBV		90
6) DICHLORODIFLUOROMETHANE	1.669	85	391650	12.5713	PPBV		95
7) PROPYLENE	1.650	41	69760	8.5076	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.704	65	262287	11.3671	PPBV		92
9) FREON 114	1.740	85	329342	13.3270	PPBV		94
10) CHLOROMETHANE	1.711	52	28650	8.8585	PPBV		95
11) VINYL CHLORIDE	1.772	62	127786	12.2276	PPBV		98
12) 1,3-BUTADIENE	1.811	54	86329	9.6949	PPBV		86
13) N-BUTANE	1.827	43	129789	8.0090	PPBV	#	90
14) BROMOMETHANE	1.885	94	118750	12.7102	PPBV		100
15) CHLOROETHANE	1.933	64	69145	12.2261	PPBV		92
16) DICHLOROFLUOROMETHANE	1.959	67	278467	12.6394	PPBV	#	96
17) ACETONITRILE	2.026	41	73119	7.2808	PPBV		98
18) ACROLEIN	2.065	56	53027	10.0532	PPBV		96
19) FREON 123	2.077	83	312617	13.1489	PPBV		96
20) FREON 123A	2.097	117	181544	12.2644	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.161	101	335453	12.2266	PPBV		100
22) ISOPROPYL ALCOHOL	2.174	45	196564	8.4917	PPBV	#	98
23) ACETONE	2.103	58	63354	8.7267	PPBV		61
24) PENTANE	2.274	42	96641	8.6916	PPBV	#	94
25) IODOMETHANE	2.335	142	307811	12.2418	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.364	96	132452	12.2254	PPBV		86
27) CARBON DISULFIDE	2.499	76	350638	12.9960	PPBV	#	92
28) ETHANOL	1.962	45	48255	7.6152	PPBV		99
29) BROMOETHENE	2.032	106	123388	12.3963	PPBV		98
30) ACRYLONITRILE	2.245	52	79235	8.8182	PPBV		97
31) METHYLENE CHLORIDE	2.399	84	118483	11.9803	PPBV	#	73
32) 3-CHLOROPROPENE	2.441	76	63679	12.3768	PPBV	#	52
33) FREON 113	2.495	151	195600	11.9238	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.724	96	135564	12.0196	PPBV		89
35) TERTIARY BUTYL ALCOHOL	2.373	59	261641	9.8281	PPBV		93
36) METHYL TERTIARY BUTYL ...	2.830	73	380045	11.7835	PPBV		95
37) TETRAHYDROFURAN	3.508	72	65345	13.0745	PPBV	#	65
38) HEXANE	3.280	57	213881	10.3933	PPBV		84
39) VINYL ACETATE	2.865	86	35190	11.5279	PPBV		38
40) 1,1-DICHLOROETHANE	2.798	63	244745	12.1280	PPBV		99
41) METHYL ETHYL KETONE	2.958	72	69646	12.5459	PPBV	#	51
42) CIS-1,2-DICHLOROETHENE	3.155	96	143421	12.3458	PPBV		94
43) DIISOPROPYL ETHER	3.286	59	63159	11.0824	PPBV		53
44) ETHYL ACETATE	3.286	61	46829	11.8771	PPBV		34
45) METHYL ACRYLATE	3.277	55	243720	10.5417	PPBV	#	97
46) CHLOROFORM	3.303	83	283144	12.3977	PPBV	#	94
47) 2,4-DIMETHYLPENTANE	3.791	57	252813	11.1115	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.868	97	295515	12.0662	PPBV		96
49) CARBON TETRACHLORIDE	4.286	117	285187	11.7411	PPBV		99
50) 1,2-DICHLOROETHANE	3.708	62	192291	11.2457	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14396.D
Acq On : 13 Apr 2025 3:50 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:29:33 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.177	78	431277	12.9237	PPBV		89
53)	CYCLOHEXANE	4.383	84	184597	12.1778	PPBV		92
54)	2,3-DIMETHYLPENTANE	4.637	71	94076	11.8205	PPBV		85
55)	TRICHLOROETHENE	5.068	95	193642	11.8733	PPBV		89
56)	1,2-DICHLOROPROPANE	4.833	63	160550	11.5390	PPBV		99
57)	DIBROMOMETHANE	4.794	174	167319	10.9184	PPBV		97
58)	ETHYL ACRYLATE	4.949	55	307835	10.4126	PPBV		97
59)	BROMODICHLOROMETHANE	5.010	83	315680	12.1494	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	676598	10.9668	PPBV		99
61)	1,4-DIOXANE	5.077	88	104194	11.4577	PPBV		92
62)	HEPTANE	5.476	43	190402	8.7816	PPBV	#	75
63)	METHYL METHACRYLATE	5.367	69	158165	11.3504	PPBV		73
64)	METHYL ISOBUTYL KETONE	6.097	58	138176	10.6748	PPBV		71
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	264091	12.1201	PPBV	#	81
66)	TOLUENE	7.190	91	517564	11.4164	PPBV		99
67)	1,3-DICHLOROPROPANE	7.248	76	258154	12.1926	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.669	75	226490	11.0569	PPBV	#	82
69)	1,1,2-TRICHLOROETHANE	6.823	83	153503	12.3180	PPBV		99
70)	2-HEXANONE	7.759	58	190093	9.4047	PPBV		70
71)	ETHYL METHACRYLATE	7.891	69	269600	11.1284	PPBV	#	81
72)	TETRACHLOROETHENE	8.910	164	198960	11.5828	PPBV		93
73)	DIBROMOCHLOROMETHANE	7.720	129	290905	11.1110	PPBV		99
74)	1,2-DIBROMOETHANE	8.064	107	278129	12.1917	PPBV		99
75)	OCTANE	9.058	43	264740	8.6179	PPBV	#	77
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	204435	10.4617	PPBV		93
78)	CHLOROBENZENE	10.109	112	398651	11.2049	PPBV		92
79)	ETHYLBENZENE	10.990	91	697988	11.5906	PPBV		98
80)	M,P-XYLENE	11.418	91	1102338	23.3513	PPBV		94
81)	O-XYLENE	12.350	91	561966	11.8530	PPBV		97
82)	STYRENE	12.135	104	417773	12.3034	PPBV		98
83)	NONANE	13.469	43	279713	8.5891	PPBV	#	72
84)	BROMOFORM	11.228	173	287436	12.2630	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.363	83	405345	12.8466	PPBV		97
86)	1,2,3-TRICHLOROPROPANE	12.643	75	310000	12.3149	PPBV		100
88)	ISOPROPYLBENZENE	13.862	120	198313	10.9488	PPBV		92
89)	BROMOBENZENE	13.720	77	400322	11.8562	PPBV		91
90)	2-CHLOROTOLUENE	14.855	126	169932	10.3135	PPBV		100
91)	N-PROPYLBENZENE	15.199	120	207234	11.2883	PPBV		97
92)	4-ETHYLTOLUENE	15.643	105	794898	12.0720	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	674000	12.1629	PPBV		96
94)	ALPHA-METHYLSTYRENE	16.212	118	318875	11.2674	PPBV		98
95)	TERT-BUTYLBENZENE	16.527	134	140118	10.5648	PPBV		80
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	692682	12.3924	PPBV		95
97)	BENZYL CHLORIDE	16.627	91	525347	10.6141	PPBV		95
98)	M-DICHLOROBENZENE	16.598	146	418738	10.9832	PPBV		99
99)	P-DICHLOROBENZENE	16.691	146	420744	11.3388	PPBV		98
100)	O-DICHLOROBENZENE	17.009	146	392395	10.8998	PPBV		98
101)	SEC-BUTYLBENZENE	16.836	134	176613	10.6859	PPBV		73
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	665066	11.8784	PPBV		96
103)	P-ISOPROPYLTOLUENE	17.029	134	193893	10.5828	PPBV		82
104)	N-BUTYLBENZENE	17.395	134	189168	10.5676	PPBV		70
105)	HEXACHLOROETHANE	17.572	117	248655	11.6599	PPBV		92
106)	HEXACHLOROBUTADIENE	18.630	225	387290	14.4620	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	407598	13.2457	PPBV		99
108)	NAPHTHALENE	18.366	128	807163	11.8183	PPBV		100
110)	TVHC as equiv Pentane	2.274	TIC	480720	9.0621	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14396.D
Acq On : 13 Apr 2025 3:50 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:29:33 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

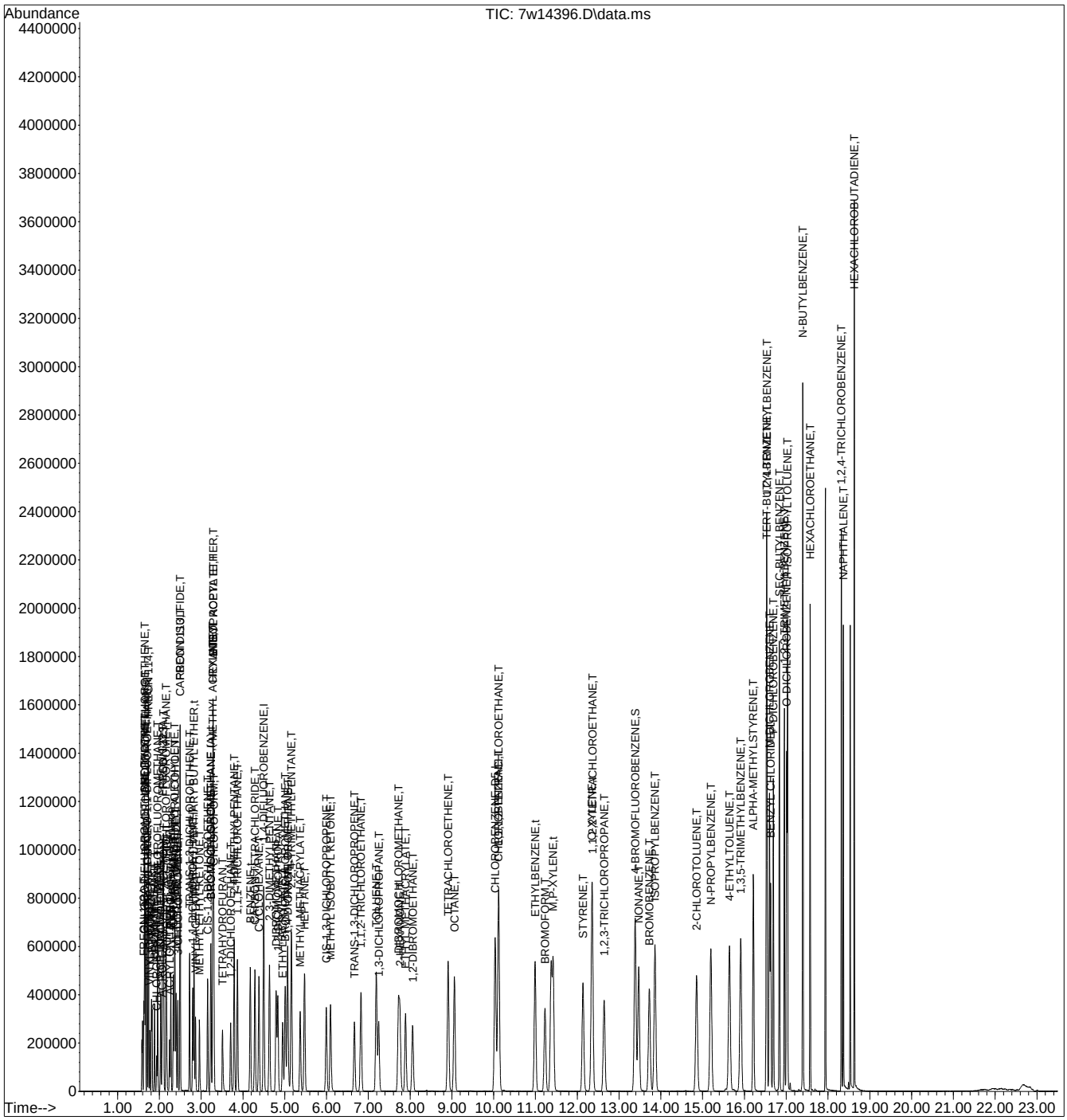
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14396.D
Acq On : 13 Apr 2025 3:50 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:29:33 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/15/25 14:52

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14397.D
Acq On : 13 Apr 2025 4:28 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:37:41 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	126925	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	657219	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	618409	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	126925	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	504410	11.24	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	78678	13.0168	PPBV	#	82
4) CHLORODIFLUOROMETHANE	1.640	67	33473	10.9088	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	170385	11.5276	PPBV		91
6) DICHLORODIFLUOROMETHANE	1.666	85	391693	12.3771	PPBV		95
7) PROPYLENE	1.647	41	71161	8.5435	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	263688	11.2501	PPBV		92
9) FREON 114	1.740	85	333794	13.2971	PPBV		94
10) CHLOROMETHANE	1.711	52	28796	8.7651	PPBV		96
11) VINYL CHLORIDE	1.772	62	129013	12.1530	PPBV		99
12) 1,3-BUTADIENE	1.811	54	88622	9.7976	PPBV		85
13) N-BUTANE	1.827	43	131959	8.0163	PPBV	#	91
14) BROMOMETHANE	1.885	94	119349	12.5756	PPBV		99
15) CHLOROETHANE	1.933	64	70453	12.2636	PPBV	#	82
16) DICHLOROFLUOROMETHANE	1.959	67	281173	12.5638	PPBV	#	96
17) ACETONITRILE	2.023	41	74936	7.3457	PPBV		97
18) ACROLEIN	2.065	56	53167	9.9230	PPBV		100
19) FREON 123	2.078	83	314449	13.0203	PPBV		97
20) FREON 123A	2.094	117	181836	12.0930	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.158	101	336975	12.0911	PPBV		100
22) ISOPROPYL ALCOHOL	2.174	45	197774	8.4111	PPBV	#	99
23) ACETONE	2.103	58	63639	8.6297	PPBV		59
24) PENTANE	2.274	42	97930	8.6706	PPBV	#	95
25) IODOMETHANE	2.335	142	311442	12.1936	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.364	96	133025	12.0873	PPBV		86
27) CARBON DISULFIDE	2.496	76	356798	13.0187	PPBV	#	91
28) ETHANOL	1.962	45	48989	7.6108	PPBV		99
29) BROMOETHENE	2.033	106	123431	12.2077	PPBV		98
30) ACRYLONITRILE	2.242	52	79419	8.7013	PPBV		97
31) METHYLENE CHLORIDE	2.399	84	119351	11.8804	PPBV	#	72
32) 3-CHLOROPROPENE	2.441	76	63768	12.2014	PPBV	#	53
33) FREON 113	2.496	151	195114	11.7092	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.721	96	135721	11.8464	PPBV		90
35) TERTIARY BUTYL ALCOHOL	2.373	59	261908	9.6851	PPBV		93
36) METHYL TERTIARY BUTYL ...	2.827	73	385049	11.7530	PPBV		95
37) TETRAHYDROFURAN	3.508	72	65068	12.8166	PPBV	#	66
38) HEXANE	3.280	57	215047	10.2875	PPBV		84
39) VINYL ACETATE	2.862	86	36002	11.6104	PPBV		38
40) 1,1-DICHLOROETHANE	2.795	63	245843	11.9929	PPBV		99
41) METHYL ETHYL KETONE	2.959	72	70109	12.4328	PPBV	#	51
42) CIS-1,2-DICHLOROETHENE	3.155	96	145236	12.3076	PPBV		94
43) DIISOPROPYL ETHER	3.283	59	64701	11.1764	PPBV		51
44) ETHYL ACETATE	3.287	61	47613	11.8881	PPBV		34
45) METHYL ACRYLATE	3.274	55	245716	10.4627	PPBV	#	97
46) CHLOROFORM	3.303	83	285698	12.3150	PPBV	#	94
47) 2,4-DIMETHYLPENTANE	3.788	57	254774	11.0235	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.865	97	295439	11.8755	PPBV		96
49) CARBON TETRACHLORIDE	4.283	117	291821	11.8274	PPBV		99
50) 1,2-DICHLOROETHANE	3.705	62	192458	11.0804	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14397.D
Acq On : 13 Apr 2025 4:28 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:37:41 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.174	78	436027	12.8628	PPBV		89
53)	CYCLOHEXANE	4.380	84	186397	12.0042	PPBV		92
54)	2,3-DIMETHYLPENTANE	4.634	71	96083	11.7858	PPBV		84
55)	TRICHLOROETHENE	5.065	95	193985	11.6116	PPBV		90
56)	1,2-DICHLOROPROPANE	4.833	63	162992	11.4361	PPBV		99
57)	DIBROMOMETHANE	4.795	174	168584	10.7395	PPBV		98
58)	ETHYL ACRYLATE	4.949	55	309927	10.2341	PPBV		97
59)	BROMODICHLOROMETHANE	5.010	83	316180	11.8794	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	683640	10.8175	PPBV		99
61)	1,4-DIOXANE	5.077	88	106458	11.4284	PPBV		92
62)	HEPTANE	5.473	43	192644m	8.6738	PPBV		
63)	METHYL METHACRYLATE	5.370	69	162721	11.3998	PPBV	#	73
64)	METHYL ISOBUTYL KETONE	6.094	58	140204	10.5740	PPBV		71
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	265279	11.8852	PPBV	#	81
66)	TOLUENE	7.190	91	524251	11.2890	PPBV		99
67)	1,3-DICHLOROPROPANE	7.248	76	261413	12.0531	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	230495	10.9850	PPBV	#	82
69)	1,1,2-TRICHLOROETHANE	6.823	83	154811	12.1277	PPBV		99
70)	2-HEXANONE	7.753	58	191327	9.2407	PPBV		70
71)	ETHYL METHACRYLATE	7.891	69	271131	10.9256	PPBV	#	81
72)	TETRACHLOROETHENE	8.910	164	199468	11.3364	PPBV		94
73)	DIBROMOCHLOROMETHANE	7.717	129	292357	10.9010	PPBV		100
74)	1,2-DIBROMOETHANE	8.061	107	280513	12.0040	PPBV		99
75)	OCTANE	9.058	43	269445	8.5626	PPBV	#	78
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	207509	10.4989	PPBV		94
78)	CHLOROBENZENE	10.113	112	404435	11.2388	PPBV		94
79)	ETHYLBENZENE	10.994	91	705902	11.5893	PPBV		98
80)	M,P-XYLENE	11.418	91	1119082	23.4376	PPBV		97
81)	O-XYLENE	12.351	91	569718	11.8805	PPBV		97
82)	STYRENE	12.135	104	422546	12.3031	PPBV		98
83)	NONANE	13.473	43	282196	8.5673	PPBV	#	73
84)	BROMOFORM	11.228	173	292508	12.3382	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	406634	12.7416	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	312683	12.2809	PPBV		100
88)	ISOPROPYLBENZENE	13.862	120	198446	10.8321	PPBV		91
89)	BROMOBENZENE	13.727	77	401901	11.7683	PPBV		92
90)	2-CHLOROTOLUENE	14.855	126	171143	10.2694	PPBV		100
91)	N-PROPYLBENZENE	15.196	120	209783	11.2978	PPBV		98
92)	4-ETHYLTOLUENE	15.640	105	808481	12.1393	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	676273	12.0658	PPBV		97
94)	ALPHA-METHYLSTYRENE	16.215	118	318665	11.1326	PPBV		97
95)	TERT-BUTYLBENZENE	16.527	134	140471	10.4715	PPBV		80
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	695070	12.2944	PPBV		95
97)	BENZYL CHLORIDE	16.627	91	524104	10.4691	PPBV		95
98)	M-DICHLOROBENZENE	16.598	146	416865	10.8103	PPBV		98
99)	P-DICHLOROBENZENE	16.691	146	427016	11.3776	PPBV		99
100)	O-DICHLOROBENZENE	17.009	146	394205	10.8262	PPBV		98
101)	SEC-BUTYLBENZENE	16.836	134	176939	10.5845	PPBV		72
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	674097	11.9035	PPBV		96
103)	P-ISOPROPYLTOLUENE	17.029	134	195178	10.5324	PPBV		84
104)	N-BUTYLBENZENE	17.392	134	190713	10.5334	PPBV		70
105)	HEXACHLOROETHANE	17.572	117	249231	11.5547	PPBV		92
106)	HEXACHLOROBUTADIENE	18.627	225	390857	14.4300	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	407162	13.0818	PPBV		98
108)	NAPHTHALENE	18.366	128	795464	11.5152	PPBV		99
110)	TVHC as equiv Pentane	2.274	TIC	499224	9.2632	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14397.D
Acq On : 13 Apr 2025 4:28 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:37:41 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

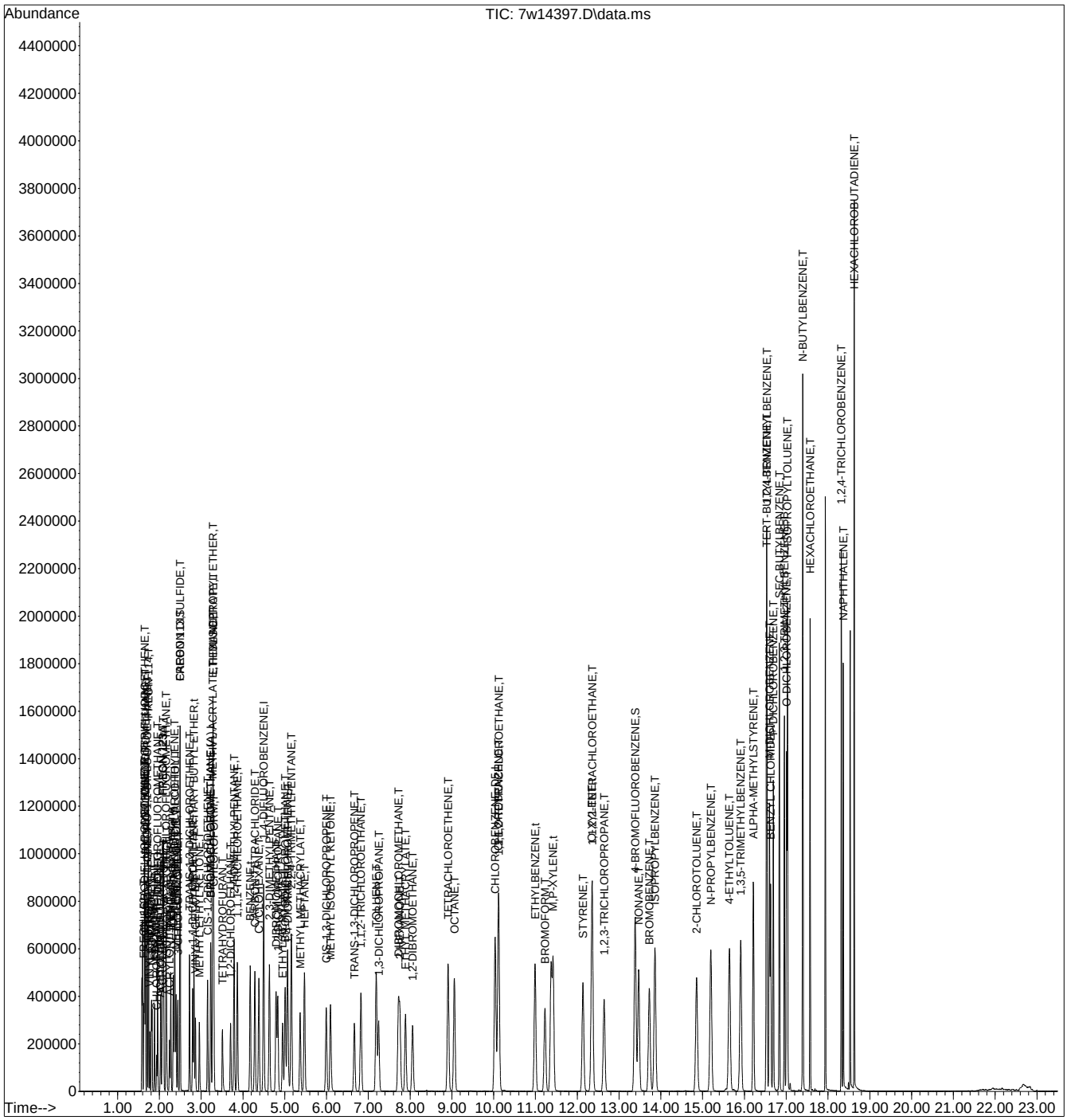
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14397.D
Acq On : 13 Apr 2025 4:28 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:37:41 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Manual Integration Approval Summary

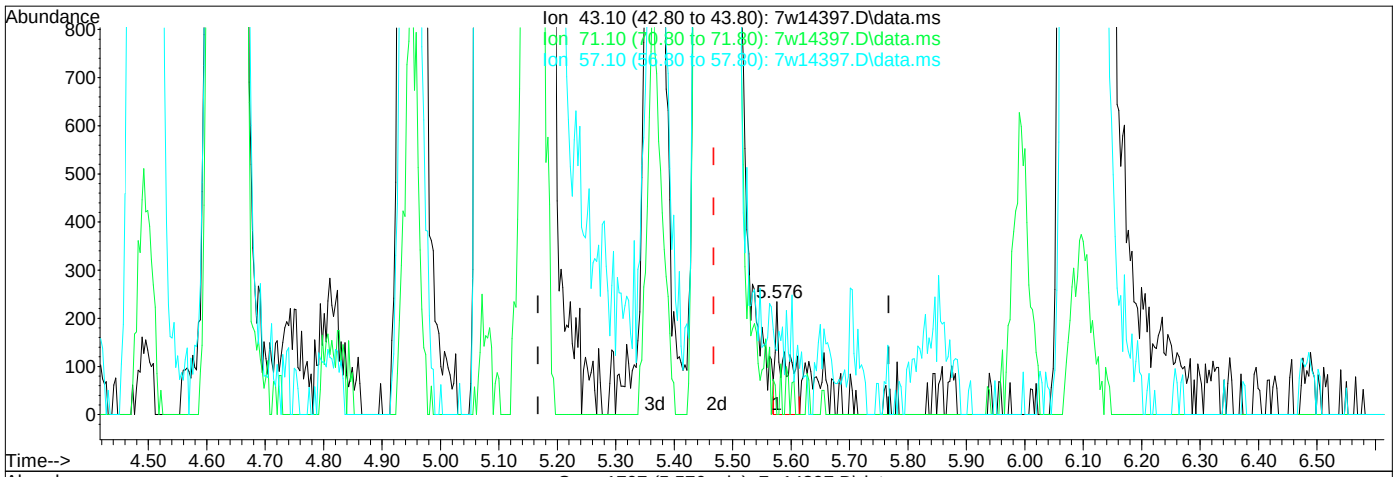
Sample Number: V7W501-BSD
Lab FileID: 7W14397.D
Injection Time: 04/13/25 16:28
Method: TO-15
Analyst approved: 04/14/25 17:54 Geralyn Gomez
Supervisor approved: 04/15/25 14:52 Kanya Veerawat

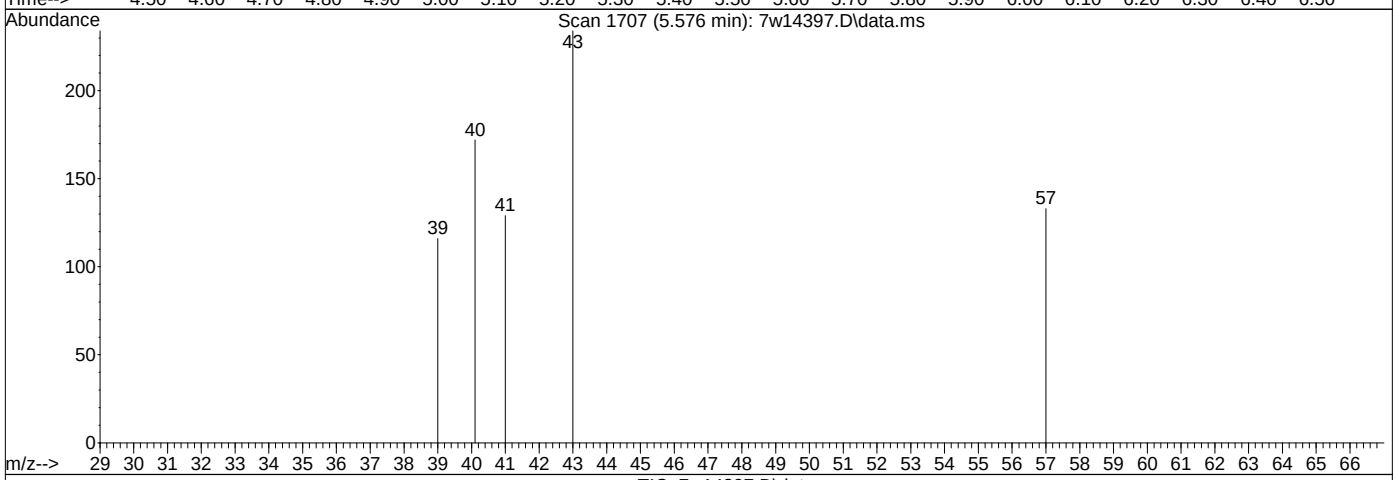
Parameter	CAS	Sig#	R.T. (min.)	Reason
Heptane	142-82-5		5.47	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14397.D
Acq On : 13 Apr 2025 4:28 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:18:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration





TIC: 7w14397.D\data.ms

(62) HEPTANE (T)

5.576min (+0.109) 0.01PPBV

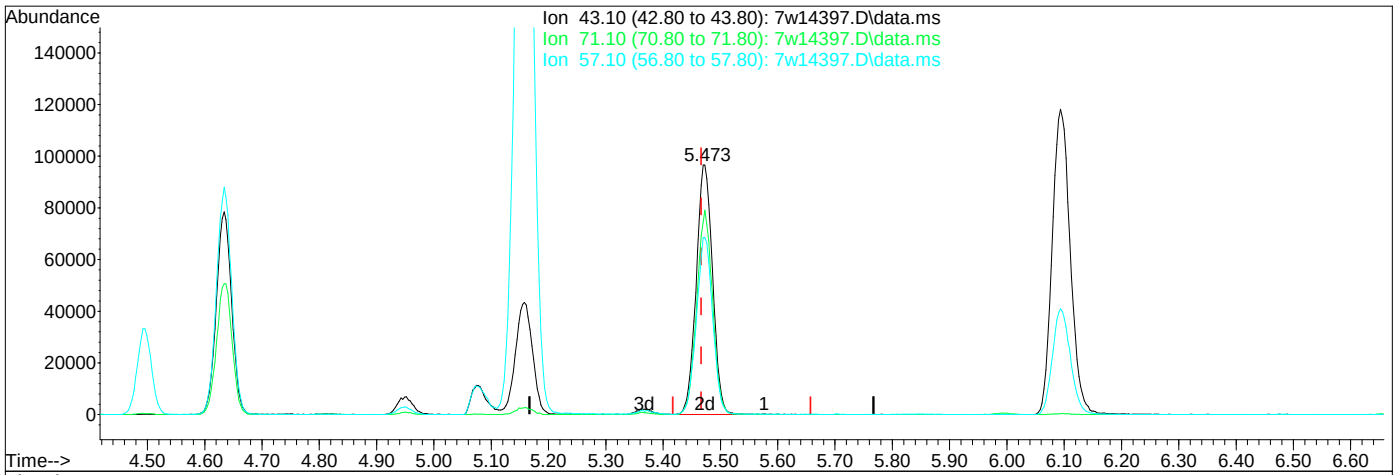
response 286

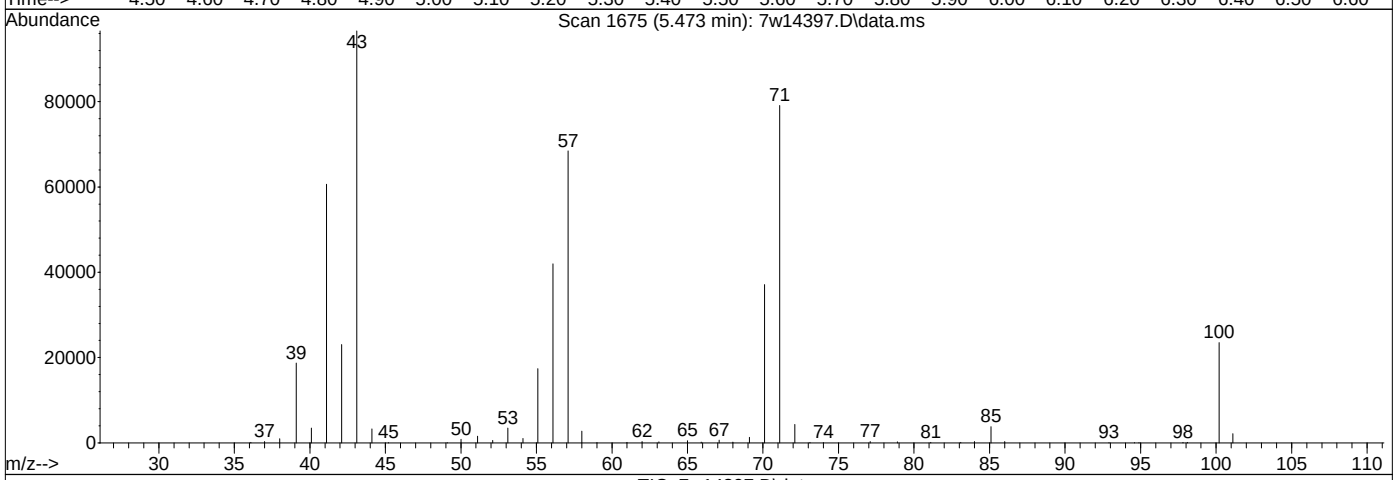
Ion	Exp%	Act%
43.10	100	100
71.10	57.20	42.31
57.10	55.50	63.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14397.D
Acq On : 13 Apr 2025 4:28 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:18:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration





TIC: 7w14397.D\data.ms

(62) HEPTANE (T)

5.473min (+0.006) 8.67PPBV m

response 192644

Ion	Exp%	Act%
43.10	100	100
71.10	57.20	0.06#
57.10	55.50	0.09#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11819.D
Acq On : 16 Jan 2025 12:16 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:01:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	139744	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	704830	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	655435	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	139744	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.382	95	509277	10.71	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.627	65	73969	11.1152	PPBV	95
4) CHLORODIFLUOROMETHANE	1.640	67	36144	10.6988	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.653	116	169023	10.3865	PPBV	79
6) DICHLORODIFLUOROMETHANE	1.669	85	425453	12.2107	PPBV	99
7) PROPYLENE	1.650	41	80761	8.8066	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.704	65	335473	12.9998	PPBV	99
9) FREON 114	1.740	85	370915	13.4205	PPBV	93
10) CHLOROMETHANE	1.711	52	36912	10.2049	PPBV	97
11) VINYL CHLORIDE	1.772	62	143008	12.2356	PPBV	100
12) 1,3-BUTADIENE	1.811	54	103328	10.3756	PPBV	96
13) N-BUTANE	1.827	43	176460	9.7363	PPBV	96
14) BROMOMETHANE	1.885	94	122911	11.7629	PPBV	99
15) CHLOROETHANE	1.933	64	74868	11.8366	PPBV	96
16) DICHLOROFLUOROMETHANE	1.958	67	303777	12.3286	PPBV	100
17) ACETONITRILE	2.026	41	95842	8.5332	PPBV	99
18) ACROLEIN	2.065	56	60696	10.2890	PPBV	96
19) FREON 123	2.077	83	321636	12.0962	PPBV	96
20) FREON 123A	2.094	117	184464	11.1425	PPBV	84
21) TRICHLOROFLUOROMETHANE	2.158	101	360843	11.7598	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	242342	9.3610	PPBV	97
23) ACETONE	2.103	58	68990	8.4971	PPBV	83
24) PENTANE	2.274	42	121047	9.7342	PPBV	98
25) IODOMETHANE	2.335	142	323501	11.5039	PPBV	94
26) 1,1-DICHLOROETHYLENE	2.360	96	136509	11.2661	PPBV	98
27) CARBON DISULFIDE	2.495	76	402114	13.3262	PPBV	98
28) ETHANOL	1.962	45	62660	8.8417	PPBV	100
29) BROMOETHENE	2.032	106	125551	11.2783	PPBV	98
30) ACRYLONITRILE	2.245	52	92669	9.2216	PPBV	98
31) METHYLENE CHLORIDE	2.399	84	123493	11.1651	PPBV	92
32) 3-CHLOROPROPENE	2.441	76	69498	12.0779	PPBV	85
33) FREON 113	2.492	151	209796	11.4354	PPBV	86
34) TRANS-1,2-DICHLOROETHENE	2.720	96	145093	11.5027	PPBV	98
35) TERTIARY BUTYL ALCOHOL	2.376	59	300198	10.0828	PPBV	100
36) METHYL TERTIARY BUTYL ...	2.827	73	385684	10.6925	PPBV	98
37) TETRAHYDROFURAN	3.508	72	66739	11.9399	PPBV	87
38) HEXANE	3.280	57	241900	10.5105	PPBV	96
39) VINYL ACETATE	2.862	86	33622	9.8483	PPBV	86
40) 1,1-DICHLOROETHANE	2.794	63	252561	11.1905	PPBV	100
41) METHYL ETHYL KETONE	2.958	72	71095	11.4512	PPBV	82
42) CIS-1,2-DICHLOROETHENE	3.151	96	143968	11.0810	PPBV	100
43) DIISOPROPYL ETHER	3.283	59	69711	10.9372	PPBV	90
44) ETHYL ACETATE	3.286	61	50264	11.3988	PPBV	89
45) METHYL ACRYLATE	3.274	55	286322	11.0734	PPBV #	99
46) CHLOROFORM	3.299	83	301215	11.7928	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.788	57	276889	10.8814	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	295378	10.7839	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	288837	10.6326	PPBV	100
50) 1,2-DICHLOROETHANE	3.701	62	224003	11.7135	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11819.D
Acq On : 16 Jan 2025 12:16 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:01:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	425360	11.3971	PPBV	97
53)	CYCLOHEXANE	4.380	84	191175	11.4803	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.634	71	98024	11.2116	PPBV	95
55)	TRICHLOROETHENE	5.061	95	196750	10.9815	PPBV	93
56)	1,2-DICHLOROPROPANE	4.830	63	168366	11.0151	PPBV	100
57)	DIBROMOMETHANE	4.791	174	163307	9.7006	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	346691	10.6748	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	326291	11.4312	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.154	57	747483	11.0288	PPBV	100
61)	1,4-DIOXANE	5.077	88	104039	10.4143	PPBV	99
62)	HEPTANE	5.470	43	245556	10.3094	PPBV	92
63)	METHYL METHACRYLATE	5.367	69	162399	10.6087	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.093	58	149793	10.5341	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	267435	11.1724	PPBV	96
66)	TOLUENE	7.187	91	528449	10.6107	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	268325	11.5360	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.662	75	228465	10.1527	PPBV	95
69)	1,1,2-TRICHLOROETHANE	6.823	83	156808	11.4543	PPBV	97
70)	2-HEXANONE	7.756	58	209195	9.4212	PPBV	90
71)	ETHYL METHACRYLATE	7.888	69	268150	10.0756	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	199559	10.5754	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.720	129	298050	10.3626	PPBV	100
74)	1,2-DIBROMOETHANE	8.061	107	286262	11.4225	PPBV	100
75)	OCTANE	9.058	43	342689	10.1545	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	211840	10.1125	PPBV	93
78)	CHLOROBENZENE	10.106	112	426362	11.1788	PPBV	98
79)	ETHYLBENZENE	10.990	91	710748	11.0097	PPBV	98
80)	M,P-XYLENE	11.415	91	1125227	22.2351	PPBV	94
81)	O-XYLENE	12.341	91	574053	11.2946	PPBV	96
82)	STYRENE	12.135	104	423355	11.6304	PPBV	99
83)	NONANE	13.469	43	368542	10.5566	PPBV	96
84)	BROMOFORM	11.228	173	263995	10.5064	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	424888	12.5615	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	324484	12.0245	PPBV	100
88)	ISOPROPYLBENZENE	13.858	120	209971	10.8138	PPBV	92
89)	BROMOBENZENE	13.726	77	402626	11.1235	PPBV	91
90)	2-CHLOROTOLUENE	14.858	126	185682	10.5124	PPBV	99
91)	N-PROPYLBENZENE	15.199	120	217917	11.0729	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	817294	11.5784	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	687386	11.5713	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.215	118	336002	11.0751	PPBV	98
95)	TERT-BUTYLBENZENE	16.530	134	157936	11.1084	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	731939	12.2152	PPBV	96
97)	BENZYL CHLORIDE	16.630	91	473301	8.9203	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	441363	10.7990	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	453616	11.4036	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	429322	11.1245	PPBV	98
101)	SEC-BUTYLBENZENE	16.839	134	201772	11.3882	PPBV	83
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	710481	11.8372	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	224831	11.4472	PPBV	94
104)	N-BUTYLBENZENE	17.395	134	220673	11.4996	PPBV	77
105)	HEXACHLOROETHANE	17.572	117	242446	10.6051	PPBV	97
106)	HEXACHLOROBUTADIENE	18.633	225	392584	13.6750	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.321	180	432071	13.0979	PPBV	98
108)	NAPHTHALENE	18.369	128	941149	12.8545	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	607761	10.2427	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11819.D
Acq On : 16 Jan 2025 12:16 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:01:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

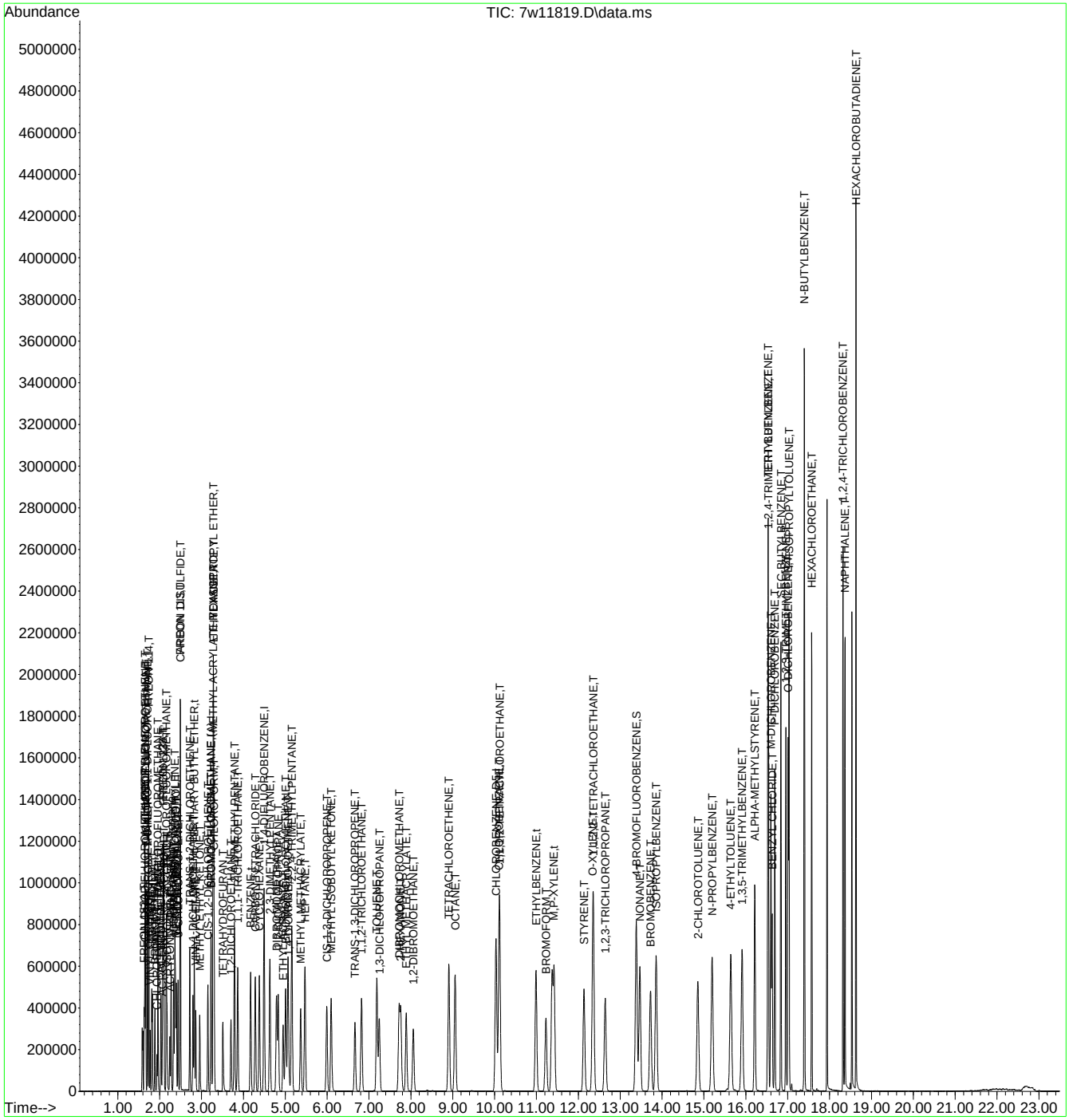
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11819.D
Acq On : 16 Jan 2025 12:16 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:01:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11820.D
Acq On : 16 Jan 2025 12:54 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:04:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	141984	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	712325	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.035	117	666523	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	141984	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	516312	10.68	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.631	65	75568	11.1763	PPBV	94
4) CHLORODIFLUOROMETHANE	1.643	67	36006	10.4898	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.653	116	171159	10.3518	PPBV	73
6) DICHLORODIFLUOROMETHANE	1.669	85	448900	12.6803	PPBV	99
7) PROPYLENE	1.653	41	82203	8.8224	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.708	65	335986	12.8143	PPBV	99
9) FREON 114	1.743	85	377634	13.4480	PPBV	92
10) CHLOROMETHANE	1.714	52	37757	10.2738	PPBV	100
11) VINYL CHLORIDE	1.775	62	141789	11.9399	PPBV	98
12) 1,3-BUTADIENE	1.814	54	104627	10.3403	PPBV	95
13) N-BUTANE	1.827	43	176684	9.5949	PPBV	96
14) BROMOMETHANE	1.888	94	123568	11.6392	PPBV	100
15) CHLOROETHANE	1.936	64	74848	11.6468	PPBV	98
16) DICHLOROFLUOROMETHANE	1.962	67	306718	12.2516	PPBV	100
17) ACETONITRILE	2.026	41	97629	8.5552	PPBV	98
18) ACROLEIN	2.065	56	60268	10.0553	PPBV	97
19) FREON 123	2.081	83	322455	11.9357	PPBV	97
20) FREON 123A	2.097	117	186729	11.1013	PPBV	84
21) TRICHLOROFLUOROMETHANE	2.161	101	368143	11.8084	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	246013	9.3529	PPBV	97
23) ACETONE	2.103	58	68997	8.3639	PPBV	83
24) PENTANE	2.277	42	122841	9.7226	PPBV	96
25) IODOMETHANE	2.335	142	316656	11.0828	PPBV	93
26) 1,1-DICHLOROETHYLENE	2.364	96	136029	11.0493	PPBV	98
27) CARBON DISULFIDE	2.496	76	408278	13.3170	PPBV	99
28) ETHANOL	1.965	45	62427	8.6698	PPBV	100
29) BROMOETHENE	2.036	106	127387	11.2627	PPBV	98
30) ACRYLONITRILE	2.245	52	93440	9.1516	PPBV	99
31) METHYLENE CHLORIDE	2.399	84	125002	11.1232	PPBV	94
32) 3-CHLOROPROPENE	2.441	76	69740	11.9288	PPBV	83
33) FREON 113	2.496	151	212179	11.3828	PPBV	85
34) TRANS-1,2-DICHLOROETHENE	2.721	96	122812	9.5827	PPBV	94
35) TERTIARY BUTYL ALCOHOL	2.377	59	305154	10.0875	PPBV	100
36) METHYL TERTIARY BUTYL ...	2.827	73	349516	9.5369	PPBV	96
37) TETRAHYDROFURAN	3.508	72	68592	12.0778	PPBV	86
38) HEXANE	3.280	57	247020	10.5637	PPBV	96
39) VINYL ACETATE	2.862	86	32760	9.4444	PPBV	75
40) 1,1-DICHLOROETHANE	2.795	63	224825	9.8044	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	73270	11.6153	PPBV	83
42) CIS-1,2-DICHLOROETHENE	3.151	96	146534	11.1006	PPBV	99
43) DIISOPROPYL ETHER	3.283	59	71967	11.1130	PPBV	88
44) ETHYL ACETATE	3.286	61	50767	11.3312	PPBV	92
45) METHYL ACRYLATE	3.274	55	294105	11.1950	PPBV #	100
46) CHLOROFORM	3.299	83	305365	11.7667	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.788	57	279807	10.8226	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	302123	10.8561	PPBV	99
49) CARBON TETRACHLORIDE	4.283	117	293067	10.6181	PPBV	100
50) 1,2-DICHLOROETHANE	3.701	62	227526	11.7100	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11820.D
Acq On : 16 Jan 2025 12:54 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:04:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	432322	11.4009	PPBV	97
53)	CYCLOHEXANE	4.380	84	194815	11.5758	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.634	71	99818	11.2967	PPBV	96
55)	TRICHLOROETHENE	5.061	95	200077	11.0497	PPBV	94
56)	1,2-DICHLOROPROPANE	4.830	63	170796	11.0565	PPBV	99
57)	DIBROMOMETHANE	4.791	174	166570	9.7903	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	356256	10.8539	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	331305	11.4847	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	760465	11.1023	PPBV	99
61)	1,4-DIOXANE	5.077	88	107137	10.6115	PPBV	97
62)	HEPTANE	5.470	43	251475	10.4468	PPBV	92
63)	METHYL METHACRYLATE	5.367	69	165283	10.6835	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.097	58	152873	10.6376	PPBV	91
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	271411	11.2192	PPBV	96
66)	TOLUENE	7.187	91	539783	10.7243	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	274185	11.6639	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	230814	10.1492	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	158817	11.4790	PPBV	98
70)	2-HEXANONE	7.759	58	210717	9.3899	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	275705	10.2505	PPBV	95
72)	TETRACHLOROETHENE	8.910	164	204955	10.7471	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.717	129	302011	10.3898	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	292003	11.5290	PPBV	99
75)	OCTANE	9.058	43	349621	10.2509	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	214982	10.0918	PPBV	94
78)	CHLOROBENZENE	10.109	112	438333	11.3015	PPBV	97
79)	ETHYLBENZENE	10.987	91	726013	11.0591	PPBV	98
80)	M,P-XYLENE	11.418	91	1144289	22.2356	PPBV	97
81)	O-XYLENE	12.347	91	584372	11.3064	PPBV	99
82)	STYRENE	12.135	104	431574	11.6589	PPBV	99
83)	NONANE	13.469	43	376880	10.6159	PPBV	96
84)	BROMOFORM	11.225	173	266055	10.4123	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	431021	12.5308	PPBV	97
86)	1,2,3-TRICHLOROPROPANE	12.643	75	329778	12.0174	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	213989	10.8374	PPBV	92
89)	BROMOBENZENE	13.720	77	410948	11.1646	PPBV	91
90)	2-CHLOROTOLUENE	14.852	126	188750	10.5084	PPBV	99
91)	N-PROPYLBENZENE	15.196	120	221137	11.0496	PPBV	98
92)	4-ETHYLTOLUENE	15.640	105	845742	11.7821	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	701379	11.6104	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	342424	11.0991	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	160774	11.1199	PPBV	92
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	738943	12.1269	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	482196	8.9367	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	450368	10.8360	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	460524	11.3846	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	437881	11.1575	PPBV	98
101)	SEC-BUTYLBENZENE	16.839	134	203447	11.2917	PPBV	82
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	717295	11.7519	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	225721	11.3013	PPBV	92
104)	N-BUTYLBENZENE	17.395	134	225061	11.5331	PPBV	79
105)	HEXACHLOROETHANE	17.572	117	247195	10.6330	PPBV	98
106)	HEXACHLOROBUTADIENE	18.630	225	383631	13.1408	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	431735	12.8700	PPBV	99
108)	NAPHTHALENE	18.366	128	926089	12.4384	PPBV	99
110)	TVHC as equiv Pentane	2.277	TIC	628278	10.4214	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11820.D
Acq On : 16 Jan 2025 12:54 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:04:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

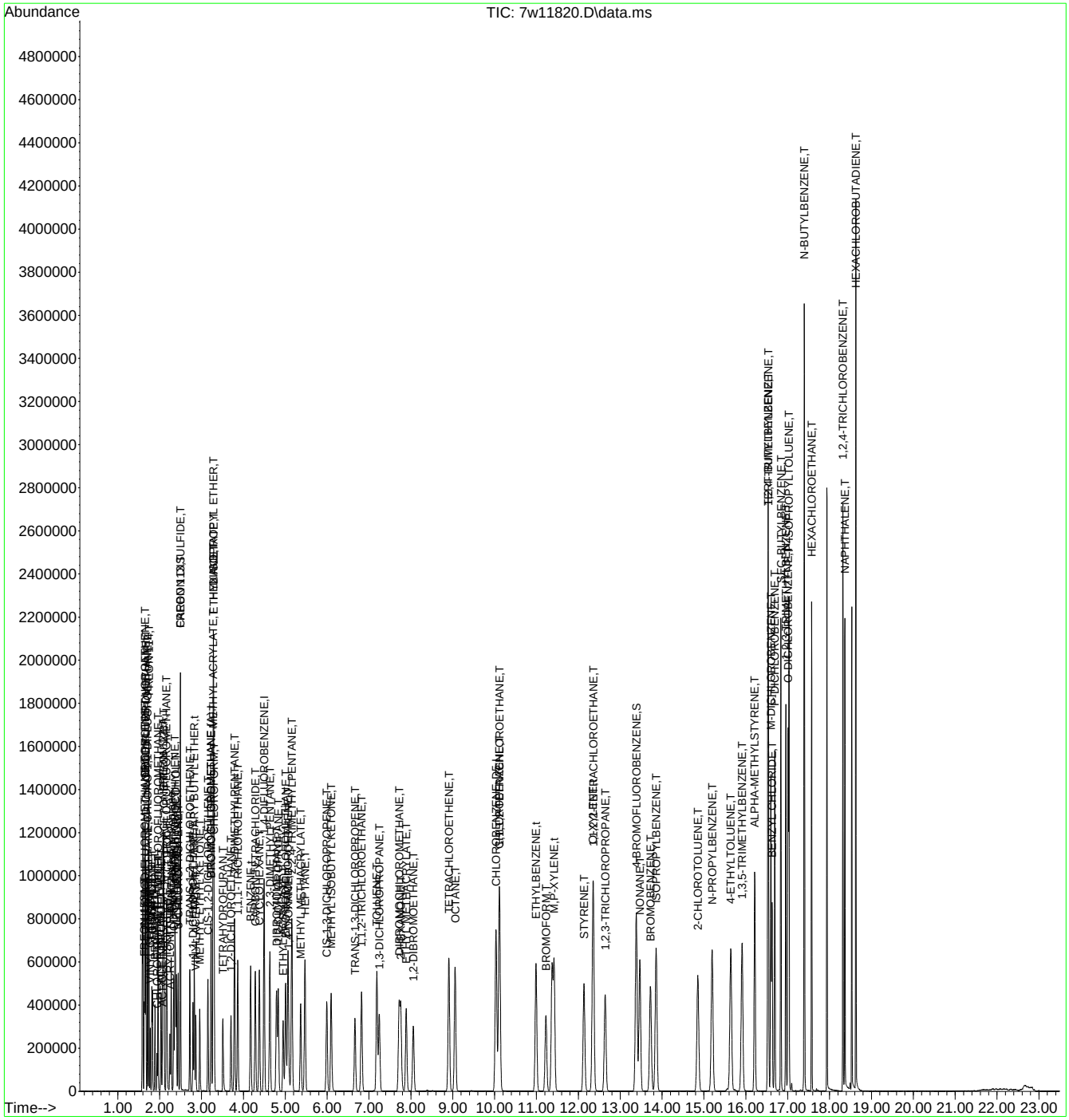
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11820.D
Acq On : 16 Jan 2025 12:54 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 23:04:02 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11854.D
Acq On : 17 Jan 2025 1:58 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:52:44 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	139855	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	697394	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	645510	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	139855	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	502221	10.72	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.624	65	75330	11.3107	PPBV	95
4) CHLORODIFLUOROMETHANE	1.637	67	36600	10.8252	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.650	116	172115	10.5681	PPBV	74
6) DICHLORODIFLUOROMETHANE	1.666	85	448923	12.8740	PPBV	99
7) PROPYLENE	1.647	41	82318	8.9692	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.701	65	358197	13.8693	PPBV	98
9) FREON 114	1.737	85	384461	13.8995	PPBV	93
10) CHLOROMETHANE	1.708	52	40811	11.2739	PPBV	99
11) VINYL CHLORIDE	1.769	62	149992	12.8230	PPBV	99
12) 1,3-BUTADIENE	1.808	54	112580	11.2956	PPBV	97
13) N-BUTANE	1.824	43	187848	10.3564	PPBV	97
14) BROMOMETHANE	1.881	94	124419	11.8978	PPBV	99
15) CHLOROETHANE	1.930	64	75229	11.8843	PPBV	97
16) DICHLOROFLUOROMETHANE	1.955	67	310177	12.5784	PPBV	100
17) ACETONITRILE	2.023	41	98118	8.7289	PPBV	99
18) ACROLEIN	2.062	56	59967	10.1573	PPBV	99
19) FREON 123	2.074	83	327775	12.3173	PPBV	97
20) FREON 123A	2.094	117	189959	11.4653	PPBV	85
21) TRICHLOROFLUOROMETHANE	2.158	101	368866	12.0117	PPBV	99
22) ISOPROPYL ALCOHOL	2.174	45	246844	9.5274	PPBV	96
23) ACETONE	2.100	58	70094	8.6262	PPBV	85
24) PENTANE	2.271	42	123239	9.9026	PPBV	97
25) IODOMETHANE	2.332	142	327671	11.6429	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.357	96	137001	11.2977	PPBV	98
27) CARBON DISULFIDE	2.492	76	401789	13.3049	PPBV	99
28) ETHANOL	1.959	45	64246	9.0583	PPBV	100
29) BROMOETHENE	2.029	106	128220	11.5089	PPBV	99
30) ACRYLONITRILE	2.242	52	93589	9.3058	PPBV	97
31) METHYLENE CHLORIDE	2.396	84	126030	11.3854	PPBV	92
32) 3-CHLOROPROPENE	2.438	76	68834	11.9530	PPBV	86
33) FREON 113	2.492	151	214268	11.6699	PPBV	88
34) TRANS-1,2-DICHLOROETHENE	2.717	96	152448	12.0762	PPBV	100
35) TERTIARY BUTYL ALCOHOL	2.373	59	305720	10.2601	PPBV	99
36) METHYL TERTIARY BUTYL ...	2.824	73	390129	10.8071	PPBV	97
37) TETRAHYDROFURAN	3.505	72	67109	11.9966	PPBV	89
38) HEXANE	3.277	57	245534	10.6600	PPBV	97
39) VINYL ACETATE	2.859	86	34229	10.0181	PPBV	86
40) 1,1-DICHLOROETHANE	2.791	63	257031	11.3795	PPBV	100
41) METHYL ETHYL KETONE	2.955	72	71699	11.5393	PPBV	85
42) CIS-1,2-DICHLOROETHENE	3.152	96	145454	11.1865	PPBV	99
43) DIISOPROPYL ETHER	3.280	59	71740	11.2466	PPBV	89
44) ETHYL ACETATE	3.283	61	51357	11.6374	PPBV	91
45) METHYL ACRYLATE	3.270	55	293840	11.3551	PPBV #	100
46) CHLOROFORM	3.296	83	304259	11.9025	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.785	57	281035	11.0356	PPBV	100
48) 1,1,1-TRICHLOROETHANE	3.862	97	299253	10.9167	PPBV	98
49) CARBON TETRACHLORIDE	4.280	117	290750	10.6945	PPBV	100
50) 1,2-DICHLOROETHANE	3.701	62	228358	11.9317	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11854.D
Acq On : 17 Jan 2025 1:58 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:52:44 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	431869	11.5623	PPBV	97
53)	CYCLOHEXANE	4.377	84	191413	11.6171	PPBV	98
54)	2,3-DIMETHYLPENTANE	4.631	71	98660	11.4047	PPBV	98
55)	TRICHLOROETHENE	5.058	95	200104	11.2878	PPBV	93
56)	1,2-DICHLOROPROPANE	4.830	63	172158	11.3833	PPBV	99
57)	DIBROMOMETHANE	4.791	174	164753	9.8908	PPBV	94
58)	ETHYL ACRYLATE	4.946	55	356396	11.0906	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	328720	11.6391	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	761029	11.3484	PPBV	99
61)	1,4-DIOXANE	5.074	88	104630	10.5851	PPBV	99
62)	HEPTANE	5.470	43	251463	10.6699	PPBV	93
63)	METHYL METHACRYLATE	5.367	69	164223	10.8423	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.093	58	151831	10.7913	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	268846	11.3511	PPBV	97
66)	TOLUENE	7.187	91	535060	10.8580	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	274529	11.9286	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	230801	10.3659	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	158980	11.7368	PPBV	97
70)	2-HEXANONE	7.759	58	210809	9.5951	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	274933	10.4406	PPBV	95
72)	TETRACHLOROETHENE	8.910	164	203200	10.8832	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.720	129	302191	10.6186	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	290577	11.7183	PPBV	99
75)	OCTANE	9.058	43	349424	10.4645	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.116	131	213062	10.3272	PPBV	93
78)	CHLOROBENZENE	10.109	112	435270	11.5879	PPBV	98
79)	ETHYLBENZENE	10.990	91	721815	11.3530	PPBV	98
80)	M,P-XYLENE	11.418	91	1136551	22.8041	PPBV	97
81)	O-XYLENE	12.344	91	581174	11.6106	PPBV	99
82)	STYRENE	12.135	104	428759	11.9599	PPBV	99
83)	NONANE	13.466	43	375306	10.9157	PPBV	97
84)	BROMOFORM	11.225	173	266520	10.7700	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	429172	12.8832	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	327816	12.3347	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	210993	11.0335	PPBV	92
89)	BROMOBENZENE	13.723	77	407319	11.4262	PPBV	90
90)	2-CHLOROTOLUENE	14.855	126	187081	10.7545	PPBV	99
91)	N-PROPYLBENZENE	15.196	120	218082	11.2516	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	822304	11.8285	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	692069	11.8292	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.215	118	341700	11.4361	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	160571	11.4674	PPBV	93
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	739748	12.5353	PPBV	95
97)	BENZYL CHLORIDE	16.627	91	462551	8.8517	PPBV	96
98)	M-DICHLOROBENZENE	16.598	146	443500	11.0182	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	456786	11.6598	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	435445	11.4567	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	202542	11.6074	PPBV	82
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	713878	12.0767	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	226880	11.7291	PPBV	94
104)	N-BUTYLBENZENE	17.395	134	221875	11.7400	PPBV	77
105)	HEXACHLOROETHANE	17.572	117	239985	10.6589	PPBV	98
106)	HEXACHLOROBUTADIENE	18.630	225	374019	13.2286	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	429987	13.2351	PPBV	99
108)	NAPHTHALENE	18.366	128	929797	12.8947	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	637062	10.7279	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11854.D
Acq On : 17 Jan 2025 1:58 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:52:44 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

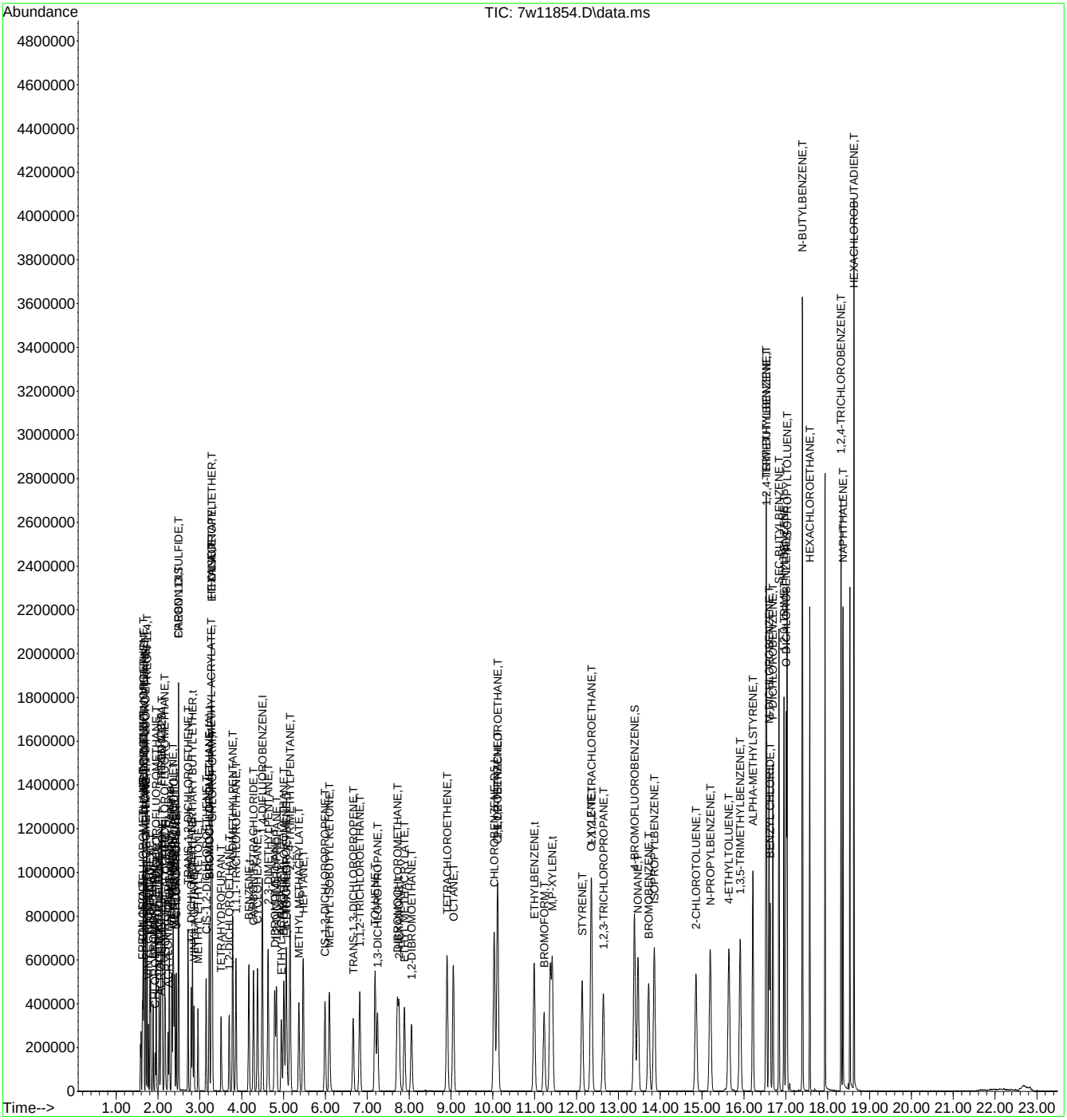
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11854.D
Acq On : 17 Jan 2025 1:58 pm
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:52:44 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11855.D
Acq On : 17 Jan 2025 2:36 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:52:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	BROMOCHLOROMETHANE	3.225	128	143545	10.00	PPBV		0.00
52)	1,4-DIFLUOROBENZENE	4.492	114	720514	10.00	PPBV		0.00
76)	CHLOROBENZENE-D5	10.032	117	673662	10.00	PPBV		0.00
109)	BROMOCHLOROMETHANE (A)	3.225	128	143545	10.00	PPBV		0.00
	System Monitoring Compounds							
87)	4-BROMOFLUOROBENZENE	13.383	95	519891	10.64	PPBV		0.00
	Target Compounds							Qvalue
3)	FREON 152A	1.627	65	76158	11.1411	PPBV		95
4)	CHLORODIFLUOROMETHANE	1.640	67	36948	10.6472	PPBV		100
5)	CHLOROTRIFLUOROETHENE	1.650	116	171981	10.2884	PPBV		72
6)	DICHLORODIFLUOROMETHANE	1.666	85	453541	12.6721	PPBV		99
7)	PROPYLENE	1.650	41	84686	8.9901	PPBV		99
8)	1-CHLORO-1,1-DIFLUOROE...	1.705	65	358398	13.5204	PPBV		99
9)	FREON 114	1.740	85	387483	13.6487	PPBV		93
10)	CHLOROMETHANE	1.711	52	41084	11.0576	PPBV		100
11)	VINYL CHLORIDE	1.772	62	153750	12.8064	PPBV		99
12)	1,3-BUTADIENE	1.811	54	106864	10.4465	PPBV		97
13)	N-BUTANE	1.824	43	184928	9.9333	PPBV		97
14)	BROMOMETHANE	1.885	94	126213	11.7591	PPBV		99
15)	CHLOROETHANE	1.933	64	75653	11.6440	PPBV		96
16)	DICHLOROFLUOROMETHANE	1.955	67	310846	12.2815	PPBV		99
17)	ACETONITRILE	2.023	41	99356	8.6118	PPBV		98
18)	ACROLEIN	2.062	56	59934	9.8908	PPBV		98
19)	FREON 123	2.078	83	327900	12.0053	PPBV		97
20)	FREON 123A	2.094	117	195010	11.4676	PPBV		89
21)	TRICHLOROFLUOROMETHANE	2.158	101	374625	11.8857	PPBV		100
22)	ISOPROPYL ALCOHOL	2.174	45	249479	9.3815	PPBV		96
23)	ACETONE	2.100	58	69098	8.2850	PPBV		89
24)	PENTANE	2.271	42	125693	9.8402	PPBV		96
25)	IODOMETHANE	2.332	142	331373	11.4718	PPBV		95
26)	1,1-DICHLOROETHYLENE	2.361	96	137832	11.0741	PPBV		98
27)	CARBON DISULFIDE	2.492	76	406981	13.1304	PPBV		99
28)	ETHANOL	1.962	45	64740	8.8933	PPBV		99
29)	BROMOETHENE	2.033	106	128433	11.2317	PPBV		98
30)	ACRYLONITRILE	2.242	52	93964	9.1029	PPBV		98
31)	METHYLENE CHLORIDE	2.396	84	126924	11.1714	PPBV		92
32)	3-CHLOROPROPENE	2.438	76	69427	11.7461	PPBV		87
33)	FREON 113	2.492	151	217138	11.5222	PPBV		88
34)	TRANS-1,2-DICHLOROETHENE	2.717	96	144069	11.1191	PPBV		97
35)	TERTIARY BUTYL ALCOHOL	2.373	59	308594	10.0903	PPBV		99
36)	METHYL TERTIARY BUTYL ...	2.827	73	397370	10.7247	PPBV		97
37)	TETRAHYDROFURAN	3.508	72	68427	11.9177	PPBV		88
38)	HEXANE	3.277	57	249220	10.5419	PPBV		97
39)	VINYL ACETATE	2.862	86	34956	9.9679	PPBV		85
40)	1,1-DICHLOROETHANE	2.791	63	258787	11.1627	PPBV		99
41)	METHYL ETHYL KETONE	2.955	72	71889	11.2724	PPBV		85
42)	CIS-1,2-DICHLOROETHENE	3.148	96	147838	11.0776	PPBV		99
43)	DIISOPROPYL ETHER	3.283	59	72839	11.1253	PPBV		87
44)	ETHYL ACETATE	3.283	61	52037	11.4884	PPBV		89
45)	METHYL ACRYLATE	3.270	55	297393	11.1970	PPBV	#	99
46)	CHLOROFORM	3.299	83	307878	11.7345	PPBV		98
47)	2,4-DIMETHYLPENTANE	3.785	57	285207	10.9115	PPBV		100
48)	1,1,1-TRICHLOROETHANE	3.865	97	304409	10.8193	PPBV		98
49)	CARBON TETRACHLORIDE	4.283	117	294536	10.5553	PPBV		100
50)	1,2-DICHLOROETHANE	3.701	62	229877	11.7024	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11855.D
Acq On : 17 Jan 2025 2:36 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:52:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	435961	11.3718	PPBV	98
53)	CYCLOHEXANE	4.377	84	194396	11.4196	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.631	71	99867	11.1738	PPBV	98
55)	TRICHLOROETHENE	5.061	95	201987	11.0284	PPBV	94
56)	1,2-DICHLOROPROPANE	4.830	63	172859	11.0629	PPBV	100
57)	DIBROMOMETHANE	4.791	174	166523	9.6763	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	360009	10.8436	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	335436	11.4958	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	769459	11.1059	PPBV	100
61)	1,4-DIOXANE	5.077	88	106040	10.3835	PPBV	98
62)	HEPTANE	5.470	43	254511	10.4527	PPBV	93
63)	METHYL METHACRYLATE	5.367	69	167012	10.6726	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.094	58	154659	10.6396	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	273478	11.1762	PPBV	96
66)	TOLUENE	7.190	91	544659	10.6982	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	276586	11.6324	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	233596	10.1548	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	161018	11.5058	PPBV	97
70)	2-HEXANONE	7.756	58	212897	9.3792	PPBV	92
71)	ETHYL METHACRYLATE	7.888	69	281176	10.3350	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	207183	10.7405	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.717	129	304036	10.3406	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	294447	11.4934	PPBV	99
75)	OCTANE	9.058	43	354272	10.2692	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	216563	10.0583	PPBV	93
78)	CHLOROBENZENE	10.109	112	438211	11.1786	PPBV	96
79)	ETHYLBENZENE	10.990	91	726423	10.9480	PPBV	99
80)	M,P-XYLENE	11.418	91	1152166	22.1514	PPBV	97
81)	O-XYLENE	12.344	91	591301	11.3192	PPBV	98
82)	STYRENE	12.135	104	434130	11.6037	PPBV	98
83)	NONANE	13.469	43	380479	10.6037	PPBV	96
84)	BROMOFORM	11.228	173	267187	10.3458	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	434960	12.5113	PPBV	97
86)	1,2,3-TRICHLOROPROPANE	12.643	75	331077	11.9368	PPBV	100
88)	ISOPROPYLBENZENE	13.858	120	215452	10.7958	PPBV	92
89)	BROMOBENZENE	13.720	77	415198	11.1605	PPBV	90
90)	2-CHLOROTOLUENE	14.855	126	191428	10.5445	PPBV	100
91)	N-PROPYLBENZENE	15.199	120	222581	11.0039	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	830216	11.4432	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	697902	11.4304	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	344648	11.0528	PPBV	99
95)	TERT-BUTYLBENZENE	16.530	134	161489	11.0510	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	743680	12.0753	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	468471	8.5903	PPBV	96
98)	M-DICHLOROBENZENE	16.598	146	449683	10.7049	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	462044	11.3012	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	438541	11.0559	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	205095	11.2625	PPBV	83
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	724916	11.7509	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	227920	11.2905	PPBV	93
104)	N-BUTYLBENZENE	17.395	134	224049	11.3596	PPBV	76
105)	HEXACHLOROETHANE	17.572	117	243041	10.3435	PPBV	97
106)	HEXACHLOROBUTADIENE	18.630	225	391053	13.2531	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	439190	12.9535	PPBV	99
108)	NAPHTHALENE	18.366	128	954946	12.6901	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	625094	10.2558	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11855.D
Acq On : 17 Jan 2025 2:36 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:52:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

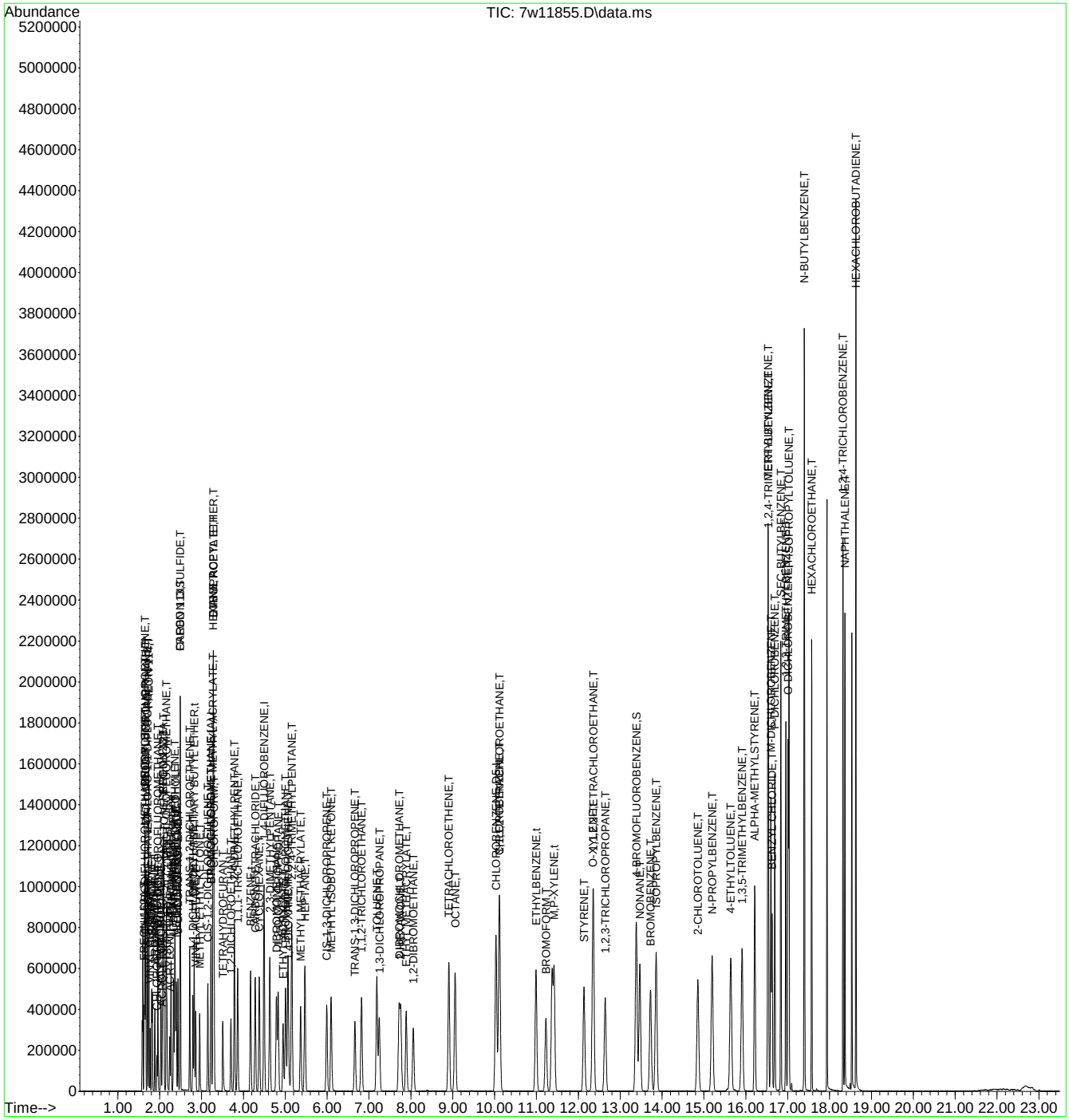
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11855.D
Acq On : 17 Jan 2025 2:36 pm
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:52:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11931.D
Acq On : 20 Jan 2025 12:08 am
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	122697	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	623032	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	578448	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	122697	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.389	95	452631	10.78	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	68258	11.6821	PPBV	96
4) CHLORODIFLUOROMETHANE	1.640	67	33208	11.1954	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.650	116	154445	10.8093	PPBV	74
6) DICHLORODIFLUOROMETHANE	1.666	85	402604	13.1603	PPBV	99
7) PROPYLENE	1.650	41	75128	9.3305	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	320386	14.1401	PPBV	98
9) FREON 114	1.740	85	346047	14.2603	PPBV	93
10) CHLOROMETHANE	1.711	52	37380	11.7701	PPBV	99
11) VINYL CHLORIDE	1.772	62	139504	13.5941	PPBV	99
12) 1,3-BUTADIENE	1.811	54	102163	11.6839	PPBV	98
13) N-BUTANE	1.824	43	184628	11.6023	PPBV	98
14) BROMOMETHANE	1.885	94	116710	12.7213	PPBV	99
15) CHLOROETHANE	1.933	64	71387	12.8544	PPBV	88
16) DICHLOROFLUOROMETHANE	1.959	67	283093	13.0855	PPBV	99
17) ACETONITRILE	2.026	41	104012	10.5472	PPBV	99
18) ACROLEIN	2.065	56	58289	11.2538	PPBV	98
19) FREON 123	2.078	83	308010	13.1932	PPBV	96
20) FREON 123A	2.094	117	178759	12.2981	PPBV	84
21) TRICHLOROFLUOROMETHANE	2.158	101	351907	13.0620	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	252086	11.0903	PPBV	97
23) ACETONE	2.103	58	68284	9.5786	PPBV	93
24) PENTANE	2.274	42	114550	10.4916	PPBV	97
25) IODOMETHANE	2.335	142	294452	11.9256	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.361	96	122729	11.5361	PPBV	98
27) CARBON DISULFIDE	2.496	76	368904	13.9242	PPBV	99
28) ETHANOL	1.962	45	59688	9.5925	PPBV	100
29) BROMOETHENE	2.033	106	119587	12.2351	PPBV	99
30) ACRYLONITRILE	2.242	52	84998	9.6334	PPBV	98
31) METHYLENE CHLORIDE	2.399	84	112598	11.5944	PPBV	94
32) 3-CHLOROPROPENE	2.441	76	62225	12.3164	PPBV	86
33) FREON 113	2.496	151	194133	12.0518	PPBV	87
34) TRANS-1,2-DICHLOROETHENE	2.721	96	123207	11.1247	PPBV	97
35) TERTIARY BUTYL ALCOHOL	2.377	59	272863	10.4380	PPBV	99
36) METHYL TERTIARY BUTYL ...	2.827	73	305360	9.6418	PPBV	96
37) TETRAHYDROFURAN	3.509	72	60452	12.3177	PPBV	91
38) HEXANE	3.280	57	223840	11.0771	PPBV	97
39) VINYL ACETATE	2.862	86	27643	9.2219	PPBV	70
40) 1,1-DICHLOROETHANE	2.795	63	202177	10.2026	PPBV	100
41) METHYL ETHYL KETONE	2.959	72	59330	10.8839	PPBV	76
42) CIS-1,2-DICHLOROETHENE	3.152	96	132132	11.5830	PPBV	99
43) DIISOPROPYL ETHER	3.283	59	65574	11.7175	PPBV	87
44) ETHYL ACETATE	3.287	61	46727	12.0689	PPBV	90
45) METHYL ACRYLATE	3.274	55	268900	11.8445	PPBV #	100
46) CHLOROFORM	3.300	83	276916	12.3477	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.788	57	254701	11.4001	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	272053	11.3123	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	265781	11.1432	PPBV	100
50) 1,2-DICHLOROETHANE	3.705	62	205763	12.2546	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11931.D
Acq On : 20 Jan 2025 12:08 am
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	389084	11.8735	PPBV	98
53)	CYCLOHEXANE	4.380	84	175707	11.9367	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.634	71	89659	11.6012	PPBV	97
55)	TRICHLOROETHENE	5.061	95	179751	11.3499	PPBV	94
56)	1,2-DICHLOROPROPANE	4.833	63	154596	11.4422	PPBV	100
57)	DIBROMOMETHANE	4.791	174	147966	9.9433	PPBV	93
58)	ETHYL ACRYLATE	4.949	55	325641	11.3431	PPBV	100
59)	BROMODICHLOROMETHANE	5.010	83	303069	12.0116	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	690386	11.5237	PPBV	99
61)	1,4-DIOXANE	5.078	88	94276	10.6760	PPBV	99
62)	HEPTANE	5.473	43	230093	10.9285	PPBV	93
63)	METHYL METHACRYLATE	5.367	69	150828	11.1464	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.097	58	138767	11.0399	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	245912	11.6221	PPBV	96
66)	TOLUENE	7.187	91	484332	11.0017	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	248639	12.0931	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	209303	10.5224	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	143768	11.8806	PPBV	97
70)	2-HEXANONE	7.759	58	191715	9.7675	PPBV	92
71)	ETHYL METHACRYLATE	7.888	69	250709	10.6570	PPBV	96
72)	TETRACHLOROETHENE	8.907	164	186910	11.2056	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	277794	10.9264	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	263878	11.9117	PPBV	100
75)	OCTANE	9.055	43	318083	10.6629	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	193716	10.4781	PPBV	92
78)	CHLOROBENZENE	10.106	112	391970	11.6449	PPBV	97
79)	ETHYLBENZENE	10.991	91	650951	11.4254	PPBV	98
80)	M,P-XYLENE	11.418	91	1027308	23.0019	PPBV	94
81)	O-XYLENE	12.347	91	527942	11.7699	PPBV	99
82)	STYRENE	12.135	104	389487	12.1240	PPBV	99
83)	NONANE	13.470	43	345195	11.2039	PPBV	97
84)	BROMOFORM	11.225	173	249618	11.2564	PPBV	98
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	392490	13.1480	PPBV	97
86)	1,2,3-TRICHLOROPROPANE	12.640	75	298433	12.5310	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	191244	11.1602	PPBV	91
89)	BROMOBENZENE	13.724	77	373945	11.7061	PPBV	90
90)	2-CHLOROTOLUENE	14.859	126	171023	10.9712	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	198455	11.4261	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	748798	12.0199	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	627486	11.9688	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	308231	11.5120	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	144077	11.4823	PPBV	89
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	672040	12.7082	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	431983	9.2251	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	407698	11.3030	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	415117	11.8247	PPBV	98
100)	O-DICHLOROBENZENE	17.006	146	393654	11.5579	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	183460	11.7328	PPBV	81
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	648805	12.2483	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	203450	11.7372	PPBV	91
104)	N-BUTYLBENZENE	17.392	134	199962	11.8072	PPBV	75
105)	HEXACHLOROETHANE	17.569	117	220223	10.9151	PPBV	98
106)	HEXACHLOROBUTADIENE	18.620	225	347720	13.7243	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.312	180	387195	13.2997	PPBV	99
108)	NAPHTHALENE	18.360	128	845860	13.0907	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	573781	11.0135	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11931.D
Acq On : 20 Jan 2025 12:08 am
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

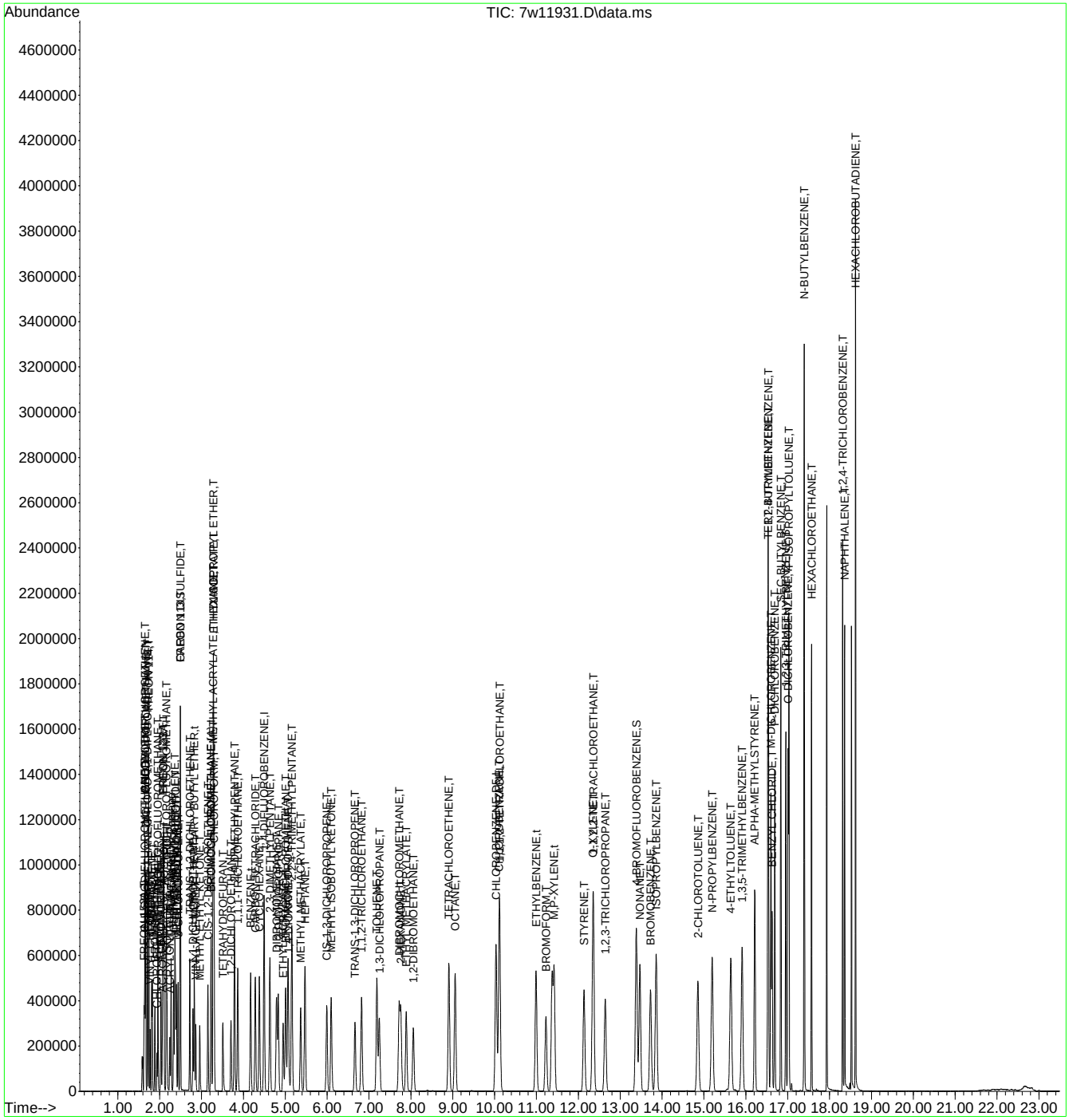
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11931.D
Acq On : 20 Jan 2025 12:08 am
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:07 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11932.D
Acq On : 20 Jan 2025 12:46 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:52 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	126664	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	642173	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.035	117	598519	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	126670	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	467206	10.76	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.627	65	68900	11.4226	PPBV	94
4) CHLORODIFLUOROMETHANE	1.640	67	33906	11.0727	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.653	116	155909	10.5700	PPBV	74
6) DICHLORODIFLUOROMETHANE	1.669	85	405998	12.8556	PPBV	99
7) PROPYLENE	1.650	41	75623	9.0979	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.708	65	323305	13.8220	PPBV	98
9) FREON 114	1.740	85	350004	13.9716	PPBV	93
10) CHLOROMETHANE	1.711	52	37006	11.2874	PPBV	98
11) VINYL CHLORIDE	1.772	62	137383	12.9682	PPBV	98
12) 1,3-BUTADIENE	1.811	54	103937	11.5145	PPBV	97
13) N-BUTANE	1.827	43	185847	11.3131	PPBV	98
14) BROMOMETHANE	1.888	94	117496	12.4059	PPBV	99
15) CHLOROETHANE	1.936	64	72454	12.6379	PPBV	98
16) DICHLOROFLUOROMETHANE	1.959	67	295747	13.2422	PPBV	100
17) ACETONITRILE	2.026	41	90803	8.9194	PPBV	98
18) ACROLEIN	2.065	56	54457	10.1847	PPBV	99
19) FREON 123	2.081	83	297260	12.3339	PPBV	96
20) FREON 123A	2.097	117	172290	11.4818	PPBV	85
21) TRICHLOROFLUOROMETHANE	2.161	101	335233	12.0534	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	223216	9.5126	PPBV	96
23) ACETONE	2.103	58	63824	8.6726	PPBV	83
24) PENTANE	2.277	42	112520	9.9829	PPBV	97
25) IODOMETHANE	2.335	142	294283	11.5455	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.364	96	124795	11.3629	PPBV	98
27) CARBON DISULFIDE	2.496	76	373000	13.6379	PPBV	99
28) ETHANOL	1.965	45	61538	9.5800	PPBV	100
29) BROMOETHENE	2.036	106	115091	11.4063	PPBV	97
30) ACRYLONITRILE	2.245	52	85247	9.3590	PPBV	98
31) METHYLENE CHLORIDE	2.399	84	114150	11.3861	PPBV	94
32) 3-CHLOROPROPENE	2.441	76	63738	12.2208	PPBV	83
33) FREON 113	2.496	151	193403	11.6304	PPBV	86
34) TRANS-1,2-DICHLOROETHENE	2.721	96	129036	11.2861	PPBV	97
35) TERTIARY BUTYL ALCOHOL	2.377	59	274216	10.1612	PPBV	100
36) METHYL TERTIARY BUTYL ...	2.830	73	358313	10.9594	PPBV	97
37) TETRAHYDROFURAN	3.508	72	62160	12.2691	PPBV	89
38) HEXANE	3.280	57	226400	10.8529	PPBV	97
39) VINYL ACETATE	2.865	86	31786	10.2719	PPBV	86
40) 1,1-DICHLOROETHANE	2.795	63	236664	11.5689	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	66126	11.7507	PPBV	85
42) CIS-1,2-DICHLOROETHENE	3.155	96	133332	11.3222	PPBV	98
43) DIISOPROPYL ETHER	3.283	59	65513	11.3400	PPBV	90
44) ETHYL ACETATE	3.290	61	46509	11.6364	PPBV	94
45) METHYL ACRYLATE	3.277	55	271935	11.6030	PPBV #	100
46) CHLOROFORM	3.303	83	278219	12.0173	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.788	57	257111	11.1476	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	275847	11.1108	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	269182	10.9323	PPBV	100
50) 1,2-DICHLOROETHANE	3.704	62	208025	12.0013	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11932.D
Acq On : 20 Jan 2025 12:46 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:52 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	395509	11.6916	PPBV	98
53)	CYCLOHEXANE	4.383	84	176953	11.6630	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.634	71	90085	11.3089	PPBV	98
55)	TRICHLOROETHENE	5.065	95	184165	11.2820	PPBV	93
56)	1,2-DICHLOROPROPANE	4.833	63	158332	11.3694	PPBV	99
57)	DIBROMOMETHANE	4.794	174	150766	9.8294	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	332409	11.2337	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	303545	11.6719	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	700082	11.3372	PPBV	100
61)	1,4-DIOXANE	5.077	88	97257	10.6853	PPBV	98
62)	HEPTANE	5.473	43	232746	10.7250	PPBV	93
63)	METHYL METHACRYLATE	5.370	69	153532	11.0081	PPBV	91
64)	METHYL ISOBUTYL KETONE	6.097	58	141004	10.8835	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	249005	11.4175	PPBV	95
66)	TOLUENE	7.190	91	493396	10.8735	PPBV	99
67)	1,3-DICHLOROPROPANE	7.248	76	251861	11.8847	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	212755	10.3771	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.823	83	146726	11.7636	PPBV	97
70)	2-HEXANONE	7.762	58	194953	9.6365	PPBV	91
71)	ETHYL METHACRYLATE	7.891	69	254823	10.5090	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	187216	10.8894	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.720	129	279614	10.6701	PPBV	100
74)	1,2-DIBROMOETHANE	8.061	107	266064	11.6524	PPBV	100
75)	OCTANE	9.058	43	322931	10.5027	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	196674	10.2813	PPBV	93
78)	CHLOROBENZENE	10.106	112	395946	11.3686	PPBV	97
79)	ETHYLBENZENE	10.987	91	661299	11.2178	PPBV	98
80)	M,P-XYLENE	11.418	91	1045891	22.6327	PPBV	98
81)	O-XYLENE	12.347	91	535036	11.5280	PPBV	99
82)	STYRENE	12.135	104	393662	11.8431	PPBV	98
83)	NONANE	13.469	43	346849	10.8800	PPBV	97
84)	BROMOFORM	11.225	173	252073	10.9860	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	395755	12.8128	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	303371	12.3112	PPBV	100
88)	ISOPROPYLBENZENE	13.858	120	193514	10.9139	PPBV	90
89)	BROMOBENZENE	13.720	77	379407	11.4788	PPBV	90
90)	2-CHLOROTOLUENE	14.855	126	173544	10.7596	PPBV	100
91)	N-PROPYLBENZENE	15.199	120	202108	11.2462	PPBV	99
92)	4-ETHYLTOLUENE	15.643	105	769243	11.9340	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	637660	11.7550	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.215	118	314333	11.3462	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	146762	11.3041	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	678441	12.3991	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	441059	9.1031	PPBV	96
98)	M-DICHLOROBENZENE	16.598	146	410491	10.9988	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	420059	11.5642	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	398997	11.3219	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	185400	11.4592	PPBV	82
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	661005	12.0602	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	206370	11.5064	PPBV	93
104)	N-BUTYLBENZENE	17.392	134	204677	11.6803	PPBV	78
105)	HEXACHLOROETHANE	17.569	117	223421	10.7023	PPBV	97
106)	HEXACHLOROBUTADIENE	18.620	225	349353	13.3263	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.315	180	388094	12.8835	PPBV	99
108)	NAPHTHALENE	18.360	128	847098	12.6702	PPBV	100
110)	TVHC as equiv Pentane	2.277	TIC	572490	10.6441	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11932.D
Acq On : 20 Jan 2025 12:46 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:52 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

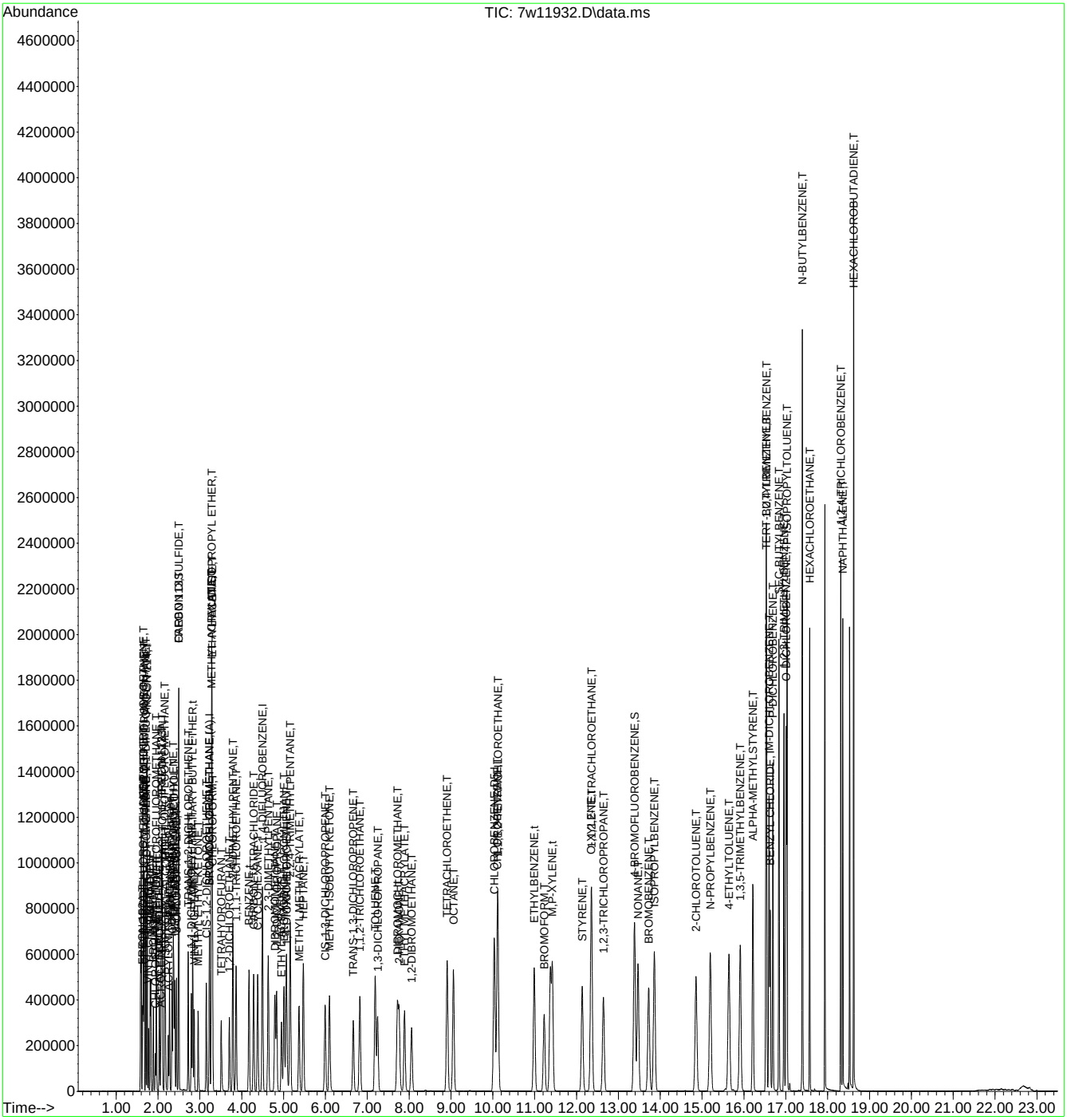
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11932.D
Acq On : 20 Jan 2025 12:46 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:14:52 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56372.D
Acq On : 24 Jan 2025 10:39 am
Operator : williamc
Sample : bs Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:10 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.651	128	382085	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1714808	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	849727	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	382085	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	1103194	11.02	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.20%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	298304	11.0209	PPBV	93
4) CHLORODIFLUOROMETHANE	3.564	67	129671	10.5425	PPBV	99
5) CHLOROTRIFLUOROETHENE	3.588	116	729536	11.6407	PPBV	97
6) DICHLORODIFLUOROMETHANE	3.637	85	1300162	10.6871	PPBV	98
7) PROPYLENE	3.582	41	462771	15.1205	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.741	65	1186715	9.5949	PPBV	94
9) FREON 114	3.827	85	1501043	9.4763	PPBV	94
10) CHLOROMETHANE	3.754	52	204982	12.3016	PPBV	94
11) VINYL CHLORIDE	3.913	62	543817	9.6486	PPBV	98
12) 1,3-BUTADIENE	4.011	54	444194	11.7733	PPBV	94
13) n-BUTANE	4.047	43	965622	12.2252	PPBV	96
14) BROMOMETHANE	4.212	94	540888	8.9254	PPBV	99
15) CHLOROETHANE	4.335	64	219404	8.6149	PPBV	90
16) DICHLOROFLUOROMETHANE	4.402	67	1051017	8.5162	PPBV #	96
17) ACETONITRILE	4.598	41	550126	11.9899	PPBV	99
18) ACROLEIN	4.696	56	217060	10.7021	PPBV	92
19) FREON 123	4.714	83	1116304	8.3730	PPBV	99
20) FREON 123A	4.757	117	711758	9.4662	PPBV	92
21) TRICHLOROFLUOROMETHANE	4.922	101	1373450	10.2546	PPBV	100
22) ISOPROPYL ALCOHOL	5.002	45	1108617	15.6636	PPBV	96
23) ACETONE	4.800	58	218804	9.6155	PPBV #	67
24) PENTANE	5.210	42	500451	13.9851	PPBV	94
25) IODOMETHANE	5.393	142	1236675	11.7143	PPBV	93
26) 1,1-DICHLOROETHYLENE	5.460	96	372273	10.5817	PPBV	95
27) CARBON DISULFIDE	5.827	76	1039683	10.5574	PPBV	97
28) ETHANOL	4.433	45	324709	11.8163	PPBV	99
29) BROMOETHENE	4.598	106	519095	9.0448	PPBV	97
30) ACRYLONITRILE	5.179	52	297847	13.9505	PPBV	97
31) METHYLENE CHLORIDE	5.571	84	333281	9.6278	PPBV #	75
32) 3-CHLOROPROPENE	5.668	76	170430	11.2482	PPBV #	59
33) FREON 113	5.797	151	690191	10.5597	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.427	96	399089	10.8144	PPBV	96
35) TERTIARY BUTYL ALCOHOL	5.522	59	722940	12.1304	PPBV	95
36) METHYL TERTIARY BUTYL ...	6.684	73	977066	11.1462	PPBV	88
37) TETRAHYDROFURAN	8.220	72	163550	11.7471	PPBV #	57
38) HEXANE	7.681	57	667311	13.3996	PPBV	100
39) VINYL ACETATE	6.782	86	71800	12.7518	PPBV #	14
40) 1,1-DICHLOROETHANE	6.623	63	738074	11.7240	PPBV	96
41) METHYL ETHYL KETONE	7.033	72	166801	11.8367	PPBV #	23
42) cis-1,2-DICHLOROETHYLENE	7.473	96	428415	10.6809	PPBV	96
43) DIISOPROPYL ETHER	7.693	59	193258	12.9787	PPBV #	64
44) ETHYL ACETATE	7.724	61	141657	13.3182	PPBV #	93
45) METHYL ACRYLATE	7.712	55	866066	14.5995	PPBV	93
46) CHLOROFORM	7.785	83	860580	10.2358	PPBV	97
47) 2,4-DIMETHYLPENTANE	8.642	57	760515	14.1773	PPBV	96
48) 1,1,1-TRICHLOROETHANE	8.856	97	903434	10.3767	PPBV	98
49) CARBON TETRACHLORIDE	9.547	117	1025541	10.6771	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56372.D
Acq On : 24 Jan 2025 10:39 am
Operator : williamc
Sample : bs Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:10 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	591371	11.5357	PPBV		99
52)	BENZENE	9.376	78	1167592	10.5449	PPBV		95
53)	CYCLOHEXANE	9.682	84	473758	10.9611	PPBV		82
54)	2,3-DIMETHYLPENTANE	9.981	71	228703	10.3059	PPBV	#	67
55)	TRICHLOROETHYLENE	10.630	95	590664	9.9978	PPBV		98
56)	1,2-DICHLOROPROPANE	10.342	63	483867	10.8695	PPBV		92
57)	DIBROMOMETHANE	10.318	174	619835	9.7440	PPBV		96
58)	ETHYL ACRYLATE	10.391	55	1062808	14.5619	PPBV		97
59)	BROMODICHLOROMETHANE	10.587	83	1012108	9.6874	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	2082210	13.0791	PPBV		99
61)	1,4-DIOXANE	10.648	88	288835	11.0351	PPBV	#	84
62)	HEPTANE	11.009	43	898191	15.4606	PPBV		84
63)	METHYL METHACRYLATE	10.917	69	407967	11.6483	PPBV	#	69
64)	METHYL ISOBUTYL KETONE	11.768	58	415968	13.7211	PPBV	#	83
65)	cis-1,3-DICHLOROPROPENE	11.713	75	765944	11.1678	PPBV		91
66)	TOLUENE	12.942	92	865913	10.8176	PPBV		98
67)	1,3-DICHLOROPROPANE	12.991	76	717196	10.7357	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.392	75	685154	10.3342	PPBV		90
69)	1,1,2-TRICHLOROETHANE	12.594	83	493801	10.5163	PPBV		99
71)	2-HEXANONE	13.340	58	612870	16.1031	PPBV		87
72)	ETHYL METHACRYLATE	13.371	69	728757	12.6349	PPBV	#	78
73)	TETRACHLOROETHYLENE	14.453	164	670119	11.1851	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.493	129	1225298	11.6694	PPBV		99
75)	1,2-DIBROMOETHANE	13.811	107	1000724	12.8045	PPBV		100
76)	OCTANE	14.313	43	1328668	17.8392	PPBV		86
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	795809	11.2565	PPBV		99
78)	CHLOROBENZENE	15.396	112	1324349	11.3271	PPBV		97
79)	ETHYLBENZENE	15.946	91	2013681	13.0115	PPBV		100
80)	m,p-XYLENE	16.197	106	1577395	25.4383	PPBV		98
81)	o-XYLENE	16.888	106	775785	12.8640	PPBV		98
82)	STYRENE	16.741	104	1248531	14.2012	PPBV		98
83)	NONANE	17.298	43	1376297	17.9587	PPBV		88
84)	BROMOFORM	16.277	173	1278404	12.4540	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.894	83	1350578	11.7314	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	863625	10.9429	PPBV		97
88)	ISOPROPYLBENZENE	17.806	105	2229922	12.0783	PPBV		99
89)	BROMOBENZENE	17.898	77	1060988	11.2022	PPBV		98
90)	2-CHLOROTOLUENE	18.534	126	617555	12.1090	PPBV		99
91)	n-PROPYLBENZENE	18.626	120	630904	12.8301	PPBV		100
92)	4-ETHYLTOLUENE	18.870	105	2328335	13.3129	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	1887498	13.1231	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.244	118	1010358	13.1130	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	440410	12.4834	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2029379	12.9565	PPBV		99
97)	m-DICHLOROBENZENE	19.806	146	1496790	11.5007	PPBV		99
98)	BENZYL CHLORIDE	19.800	91	1831801	11.9548	PPBV		99
99)	p-DICHLOROBENZENE	19.917	146	1469712	12.0095	PPBV		99
100)	sec-BUTYLBENZENE	20.008	134	529812	12.5621	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1970425	12.7855	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.253	134	617332	12.3387	PPBV		98
103)	o-DICHLOROBENZENE	20.394	146	1371272	11.5405	PPBV		98
104)	n-BUTYLBENZENE	20.846	134	600733	12.6827	PPBV		99
105)	HEXACHLOROETHANE	21.311	117	1055364	12.4430	PPBV		99
106)	HEXACHLOROBUTADIENE	23.361	225	1253128	10.9512	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1308276	11.8584	PPBV		98
108)	NAPHTHALENE	22.878	128	3159980	13.2986	PPBV		100
110)	TVHC as equiv Pentane	5.210	TIC	3115871	13.9260	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56372.D
Acq On : 24 Jan 2025 10:39 am
Operator : williamc
Sample : bs Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:10 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

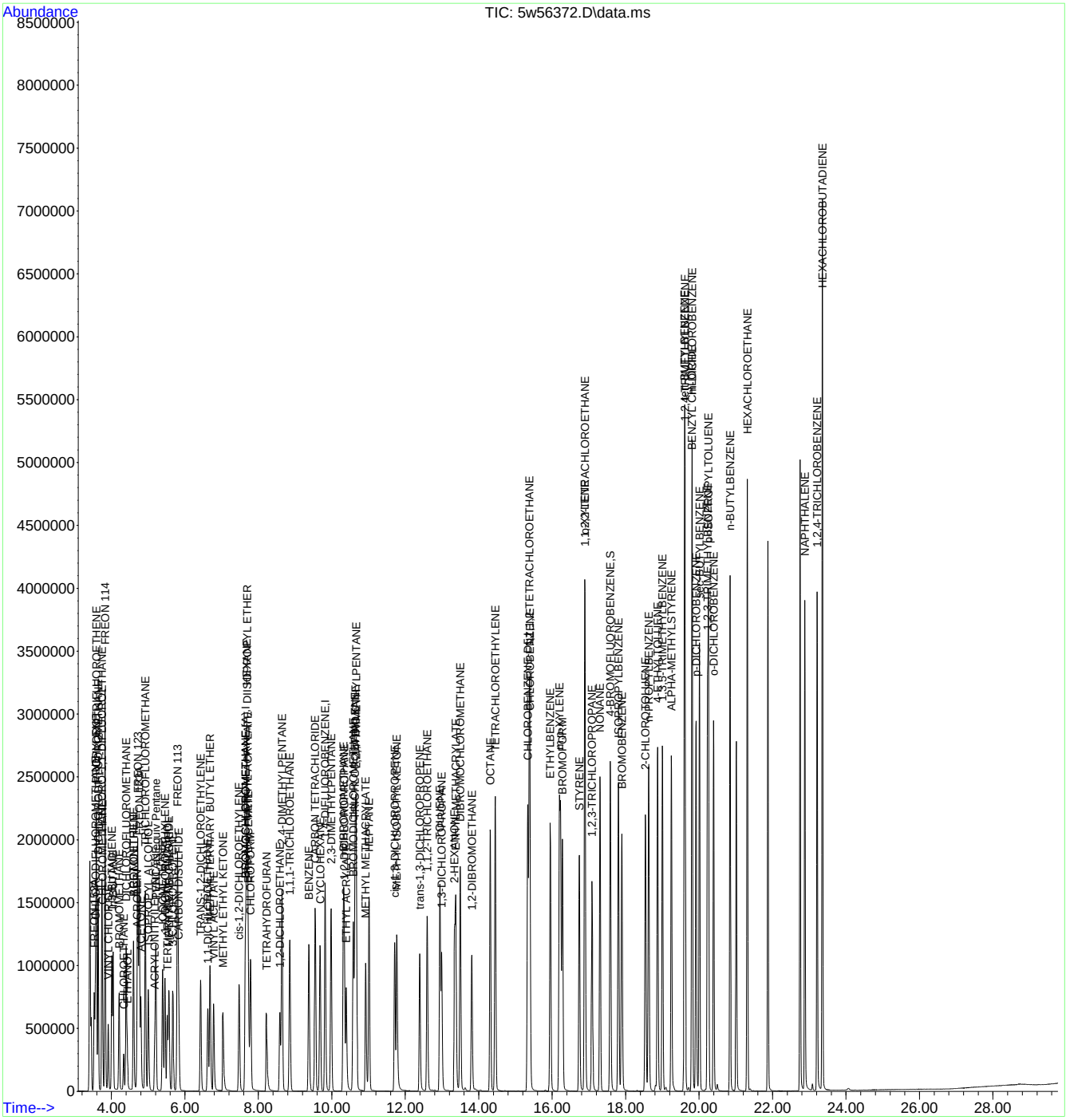
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56372.D
Acq On : 24 Jan 2025 10:39 am
Operator : williamc
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Misc : MS88718,V5W2159,,,,,1
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Quant Time: Jan 27 04:16:10 2025
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Quantitation Report (QT Reviewed)

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Quant Time: Jan 27 04:16:19 2025
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Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.650	128	384955	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1729848	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	855953	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.650	128	384955	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	1109777	11.01	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.10%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	288757	10.5886	PPBV	93
4) CHLORODIFLUOROMETHANE	3.558	67	125776	10.1496	PPBV	98
5) CHLOROTRIFLUOROETHENE	3.588	116	706472	11.1887	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.631	85	1245557	10.1619	PPBV	98
7) PROPYLENE	3.582	41	453628	14.7113	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1145362	9.1915	PPBV	94
9) FREON 114	3.821	85	1448846	9.0786	PPBV	95
10) CHLOROMETHANE	3.753	52	199012	11.8543	PPBV	94
11) VINYL CHLORIDE	3.906	62	523959	9.2269	PPBV	98
12) 1,3-BUTADIENE	4.004	54	422152	11.1056	PPBV	92
13) n-BUTANE	4.041	43	934569	11.7438	PPBV	96
14) BROMOMETHANE	4.206	94	525195	8.6019	PPBV	98
15) CHLOROETHANE	4.329	64	209885	8.1797	PPBV	89
16) DICHLOROFLUOROMETHANE	4.396	67	1021422	8.2147	PPBV #	96
17) ACETONITRILE	4.592	41	538191	11.6423	PPBV	99
18) ACROLEIN	4.690	56	209078	10.2317	PPBV	94
19) FREON 123	4.708	83	1085093	8.0782	PPBV	98
20) FREON 123A	4.757	117	699756	9.2372	PPBV	91
21) TRICHLOROFLUOROMETHANE	4.916	101	1340657	9.9352	PPBV	100
22) ISOPROPYL ALCOHOL	5.002	45	955884	13.4050	PPBV	96
23) ACETONE	4.794	58	209906	9.1557	PPBV #	64
24) PENTANE	5.203	42	503675	13.9702	PPBV	94
25) IODOMETHANE	5.393	142	1246816	11.7223	PPBV	93
26) 1,1-DICHLOROETHYLENE	5.454	96	376419	10.6198	PPBV	95
27) CARBON DISULFIDE	5.827	76	1038526	10.4670	PPBV	97
28) ETHANOL	4.426	45	313113	11.3094	PPBV	99
29) BROMOETHENE	4.598	106	510321	8.8256	PPBV	98
30) ACRYLONITRILE	5.173	52	297390	13.8253	PPBV	97
31) METHYLENE CHLORIDE	5.564	84	337944	9.6898	PPBV #	75
32) 3-CHLOROPROPENE	5.668	76	170481	11.1677	PPBV #	58
33) FREON 113	5.797	151	691329	10.4983	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.427	96	398159	10.7088	PPBV	95
35) TERTIARY BUTYL ALCOHOL	5.515	59	728707	12.1360	PPBV	96
36) METHYL TERTIARY BUTYL ...	6.684	73	987652	11.1830	PPBV	88
37) TETRAHYDROFURAN	8.213	72	165047	11.7662	PPBV #	54
38) HEXANE	7.681	57	678136	13.5155	PPBV	99
39) VINYL ACETATE	6.782	86	73223	12.9076	PPBV #	16
40) 1,1-DICHLOROETHANE	6.623	63	748472	11.8005	PPBV	96
41) METHYL ETHYL KETONE	7.026	72	169433	11.9338	PPBV #	28
42) cis-1,2-DICHLOROETHYLENE	7.473	96	436801	10.8088	PPBV	97
43) DIISOPROPYL ETHER	7.693	59	196753	13.1149	PPBV #	64
44) ETHYL ACETATE	7.724	61	141939	13.2452	PPBV #	75
45) METHYL ACRYLATE	7.712	55	879449	14.7146	PPBV	94
46) CHLOROFORM	7.785	83	875424	10.3348	PPBV	97
47) 2,4-DIMETHYLPENTANE	8.642	57	772644	14.2960	PPBV	96
48) 1,1,1-TRICHLOROETHANE	8.856	97	914411	10.4245	PPBV	98
49) CARBON TETRACHLORIDE	9.547	117	1040366	10.7507	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56373.D
Acq On : 24 Jan 2025 11:19 am
Operator : williamc
Sample : bsd Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:19 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.580	62	600128	11.6192	PPBV		99
52)	BENZENE	9.376	78	1179726	10.5619	PPBV		95
53)	CYCLOHEXANE	9.682	84	478224	10.9682	PPBV		82
54)	2,3-DIMETHYLPENTANE	9.981	71	233092	10.4123	PPBV	#	65
55)	TRICHLOROETHYLENE	10.636	95	600113	10.0695	PPBV		99
56)	1,2-DICHLOROPROPANE	10.342	63	492607	10.9696	PPBV		92
57)	DIBROMOMETHANE	10.318	174	627139	9.7731	PPBV		96
58)	ETHYL ACRYLATE	10.391	55	1079782	14.6659	PPBV		98
59)	BROMODICHLOROMETHANE	10.587	83	1028640	9.7601	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.666	57	2121273	13.2086	PPBV		99
61)	1,4-DIOXANE	10.648	88	293010	11.0973	PPBV		93
62)	HEPTANE	11.015	43	911156	15.5474	PPBV		84
63)	METHYL METHACRYLATE	10.917	69	418808	11.8539	PPBV	#	70
64)	METHYL ISOBUTYL KETONE	11.768	58	424635	13.8852	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.713	75	780030	11.2743	PPBV		91
66)	TOLUENE	12.942	92	895608	11.0913	PPBV		100
67)	1,3-DICHLOROPROPANE	12.991	76	731088	10.8485	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.392	75	704005	10.5262	PPBV		90
69)	1,1,2-TRICHLOROETHANE	12.600	83	506071	10.6839	PPBV		99
71)	2-HEXANONE	13.340	58	619316	16.1541	PPBV		86
72)	ETHYL METHACRYLATE	13.377	69	749516	12.9003	PPBV	#	78
73)	TETRACHLOROETHYLENE	14.453	164	678504	11.2427	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.493	129	1253245	11.8488	PPBV		99
75)	1,2-DIBROMOETHANE	13.811	107	1021973	12.9813	PPBV		100
76)	OCTANE	14.319	43	1357358	18.0919	PPBV		86
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	815150	11.4462	PPBV		98
78)	CHLOROBENZENE	15.396	112	1350304	11.4651	PPBV		98
79)	ETHYLBENZENE	15.946	91	2067351	13.2611	PPBV		100
80)	m,p-XYLENE	16.203	106	1615915	25.8699	PPBV		98
81)	o-XYLENE	16.888	106	792923	13.0525	PPBV		97
82)	STYRENE	16.741	104	1277389	14.4238	PPBV		98
83)	NONANE	17.298	43	1407380	18.2308	PPBV		88
84)	BROMOFORM	16.276	173	1311928	12.6877	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.894	83	1379622	11.8965	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	889289	11.1861	PPBV		97
88)	ISOPROPYLBENZENE	17.806	105	2288420	12.3049	PPBV		99
89)	BROMOBENZENE	17.898	77	1079631	11.3161	PPBV		97
90)	2-CHLOROTOLUENE	18.534	126	628785	12.2396	PPBV		100
91)	n-PROPYLBENZENE	18.626	120	644995	13.0213	PPBV		99
92)	4-ETHYLTOLUENE	18.870	105	2377358	13.4944	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	1932116	13.3356	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	1040046	13.4001	PPBV		99
95)	tert-BUTYLBENZENE	19.604	134	454413	12.7866	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2070466	13.1226	PPBV		100
97)	m-DICHLOROBENZENE	19.806	146	1535234	11.7103	PPBV		100
98)	BENZYL CHLORIDE	19.800	91	1877532	12.1641	PPBV		99
99)	p-DICHLOROBENZENE	19.916	146	1490978	12.0947	PPBV		100
100)	sec-BUTYLBENZENE	20.008	134	543234	12.7867	PPBV		99
101)	1,2,3-TRIMETHYLBENZENE	20.228	105	2009571	12.9446	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.253	134	633033	12.5604	PPBV		98
103)	o-DICHLOROBENZENE	20.394	146	1414781	11.8200	PPBV		99
104)	n-BUTYLBENZENE	20.846	134	623750	13.0729	PPBV		100
105)	HEXACHLOROETHANE	21.311	117	1087882	12.7331	PPBV		98
106)	HEXACHLOROBUTADIENE	23.349	225	1310007	11.3650	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.202	180	1356158	12.2030	PPBV		98
108)	NAPHTHALENE	22.865	128	3254841	13.5982	PPBV		100
110)	TVHC as equiv Pentane	5.203	TIC	3068250	13.6109	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56373.D
Acq On : 24 Jan 2025 11:19 am
Operator : williamc
Sample : bsd Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:19 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

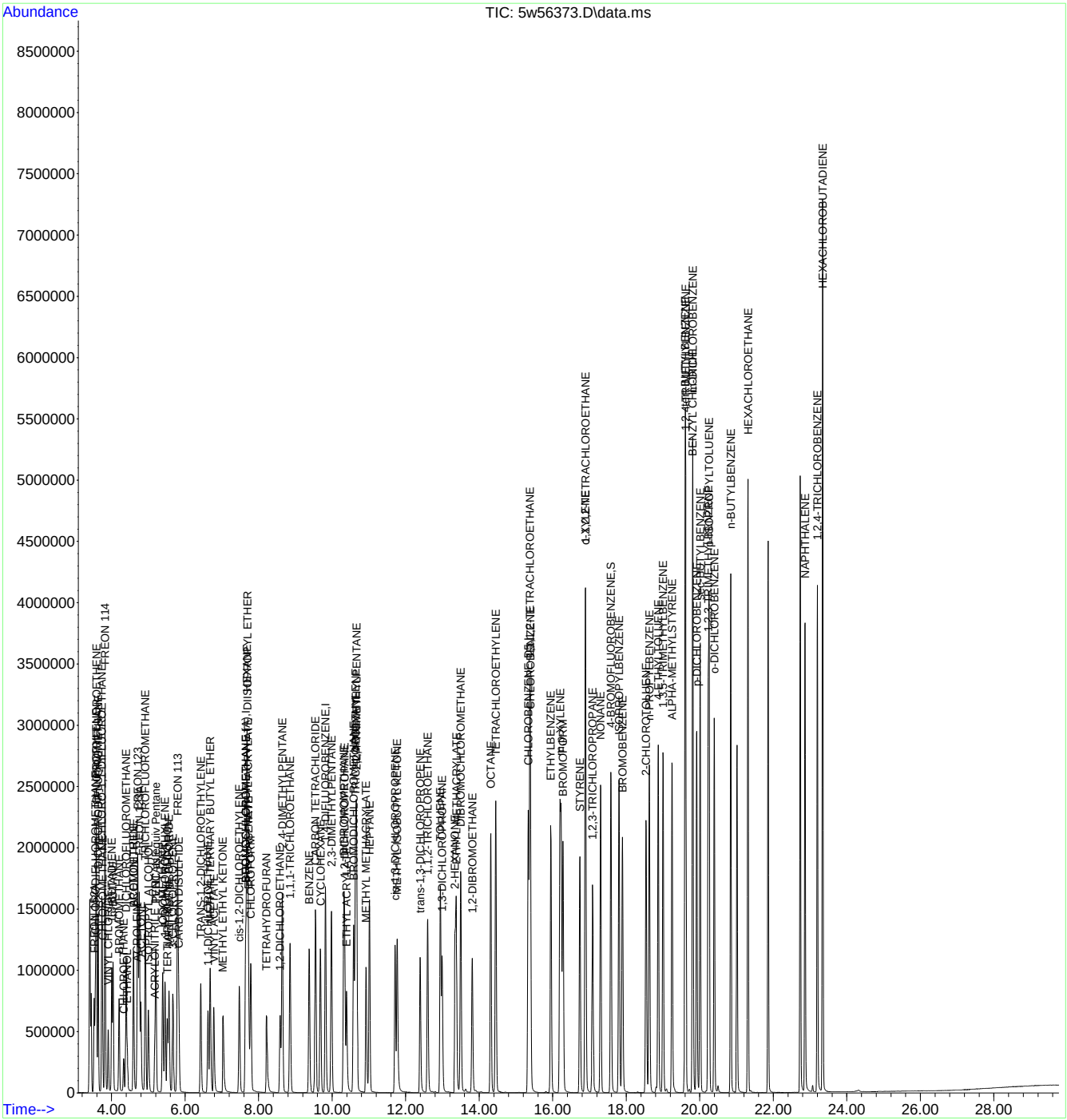
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56373.D
Acq On : 24 Jan 2025 11:19 am
Operator : williamc
Sample : bsd Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:16:19 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12103.D
Acq On : 25 Jan 2025 6:57 pm
Operator : benk
Sample : bs
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 19:48:22 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	128894	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	646080	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	595314	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	128894	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	468621	10.85	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.628	65	66060	10.76	PPBV		98
4) CHLORODIFLUOROMETHANE	1.640	67	34377	11.03	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	161364	10.75	PPBV		83
6) DICHLORODIFLUOROMETHANE	1.666	85	394227	12.27	PPBV		98
7) PROPYLENE	1.647	41	74127	8.76	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	296968	12.48	PPBV		98
9) FREON 114	1.737	85	335393	13.16	PPBV		97
10) CHLOROMETHANE	1.711	52	32903	9.86	PPBV		96
11) VINYL CHLORIDE	1.769	62	125211	11.61	PPBV		99
12) 1,3-BUTADIENE	1.808	54	94694	10.31	PPBV		98
13) N-BUTANE	1.824	43	170915	10.22	PPBV		98
14) BROMOMETHANE	1.882	94	113167	11.74	PPBV		99
15) CHLOROETHANE	1.930	64	66469	11.39	PPBV		97
16) DICHLOROFLUOROMETHANE	1.956	67	276084	12.15	PPBV		98
17) ACETONITRILE	2.023	41	96647	9.33	PPBV		99
18) ACROLEIN	2.062	56	52104	9.58	PPBV		99
19) FREON 123	2.074	83	296145	12.08	PPBV		98
20) FREON 123A	2.094	117	178835	11.71	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.158	101	347335	12.27	PPBV		100
22) ISOPROPYL ALCOHOL	2.174	45	235423	9.86	PPBV		98
23) ACETONE	2.100	58	62340	8.32	PPBV		95
24) PENTANE	2.271	42	120693	10.52	PPBV		99
25) IODOMETHANE	2.332	142	323959	12.49	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	125267	11.21	PPBV		96
27) CARBON DISULFIDE	2.492	76	366418	13.17	PPBV		99
28) ETHANOL	1.959	45	59472	9.10	PPBV		99
29) BROMOETHENE	2.033	106	116771	11.37	PPBV		98
30) ACRYLONITRILE	2.242	52	86283	9.31	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	114605	11.23	PPBV		94
32) 3-CHLOROPROPENE	2.438	76	63415	11.95	PPBV		87
33) FREON 113	2.492	151	210429	12.44	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	131840	11.33	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.373	59	269216	9.80	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.824	73	363703	10.93	PPBV		97
37) TETRAHYDROFURAN	3.505	72	62278	12.08	PPBV		88
38) HEXANE	3.277	57	220252	10.38	PPBV		98
39) VINYL ACETATE	2.859	86	30745	9.76	PPBV		77
40) 1,1-DICHLOROETHANE	2.791	63	233582	11.22	PPBV		99
41) METHYL ETHYL KETONE	2.955	72	66144	11.55	PPBV		84
42) CIS-1,2-DICHLOROETHENE	3.152	96	138528	11.56	PPBV		97
43) DIISOPROPYL ETHER	3.280	59	64151	10.91	PPBV		92
44) ETHYL ACETATE	3.287	61	45770	11.25	PPBV		95
45) METHYL ACRYLATE	3.271	55	262902	11.02	PPBV	#	99
46) CHLOROFORM	3.300	83	289286	12.28	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.785	57	251925	10.73	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.862	97	296852	11.75	PPBV		99
49) CARBON TETRACHLORIDE	4.283	117	297467	11.87	PPBV		100
50) 1,2-DICHLOROETHANE	3.701	62	213717	12.12	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12103.D
Acq On : 25 Jan 2025 6:57 pm
Operator : benk
Sample : bs
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 19:48:22 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	402236	11.68	PPBV	97
53)	CYCLOHEXANE	4.380	84	180479	11.82	PPBV	93
54)	2,3-DIMETHYLPENTANE	4.631	71	91869	11.46	PPBV	93
55)	TRICHLOROETHENE	5.061	95	191213	11.64	PPBV	96
56)	1,2-DICHLOROPROPANE	4.830	63	152854	10.91	PPBV	98
57)	DIBROMOMETHANE	4.791	174	165633	10.73	PPBV	98
58)	ETHYL ACRYLATE	4.946	55	321579	10.80	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	319614	12.22	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	680836	10.96	PPBV	100
61)	1,4-DIOXANE	5.078	88	98382	10.74	PPBV	97
62)	HEPTANE	5.470	43	231630	10.61	PPBV	94
63)	METHYL METHACRYLATE	5.367	69	153032	10.91	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.094	58	136478	10.47	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	257345	11.73	PPBV	94
66)	TOLUENE	7.187	91	510750	11.19	PPBV	99
67)	1,3-DICHLOROPROPANE	7.245	76	259090	12.15	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	221408	10.73	PPBV	94
69)	1,1,2-TRICHLOROETHANE	6.820	83	148482	11.83	PPBV	98
70)	2-HEXANONE	7.756	58	187371	9.21	PPBV	94
71)	ETHYL METHACRYLATE	7.888	69	256309	10.51	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	209879	12.13	PPBV	99
73)	DIBROMOCHLOROMETHANE	7.717	129	305094	11.57	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	280399	12.21	PPBV	100
75)	OCTANE	9.055	43	322214	10.42	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	226154	11.89	PPBV	97
78)	CHLOROBENZENE	10.106	112	416689	12.03	PPBV	97
79)	ETHYLBENZENE	10.987	91	684402	11.67	PPBV	99
80)	M,P-XYLENE	11.418	91	1088303	23.68	PPBV	96
81)	O-XYLENE	12.347	91	556831	12.06	PPBV	98
82)	STYRENE	12.132	104	412504	12.48	PPBV	98
83)	NONANE	13.466	43	345111	10.88	PPBV	96
84)	BROMOFORM	11.222	173	281609	12.34	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.357	83	404630	13.17	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	313515	12.79	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	204682	11.61	PPBV	93
89)	BROMOBENZENE	13.720	77	391084	11.90	PPBV	98
90)	2-CHLOROTOLUENE	14.855	126	184516	11.50	PPBV	100
91)	N-PROPYLBENZENE	15.193	120	211943	11.86	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	793868	12.38	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	671730	12.45	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.215	118	331177	12.02	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	163433	12.66	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	705049	12.95	PPBV	97
97)	BENZYL CHLORIDE	16.627	91	465675	9.66	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	461151	12.42	PPBV	100
99)	P-DICHLOROBENZENE	16.691	146	472927	13.09	PPBV	99
100)	O-DICHLOROBENZENE	17.010	146	444757	12.69	PPBV	100
101)	SEC-BUTYLBENZENE	16.839	134	207915	12.92	PPBV	97
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	684625	12.56	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	227878	12.77	PPBV	98
104)	N-BUTYLBENZENE	17.395	134	225002	12.91	PPBV	92
105)	HEXACHLOROETHANE	17.572	117	240802	11.60	PPBV	98
106)	HEXACHLOROBUTADIENE	18.630	225	369886	14.19	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	425438	14.20	PPBV	99
108)	NAPHTHALENE	18.366	128	888892	13.37	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	605944	11.07	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12103.D
Acq On : 25 Jan 2025 6:57 pm
Operator : benk
Sample : bs
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 19:48:22 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

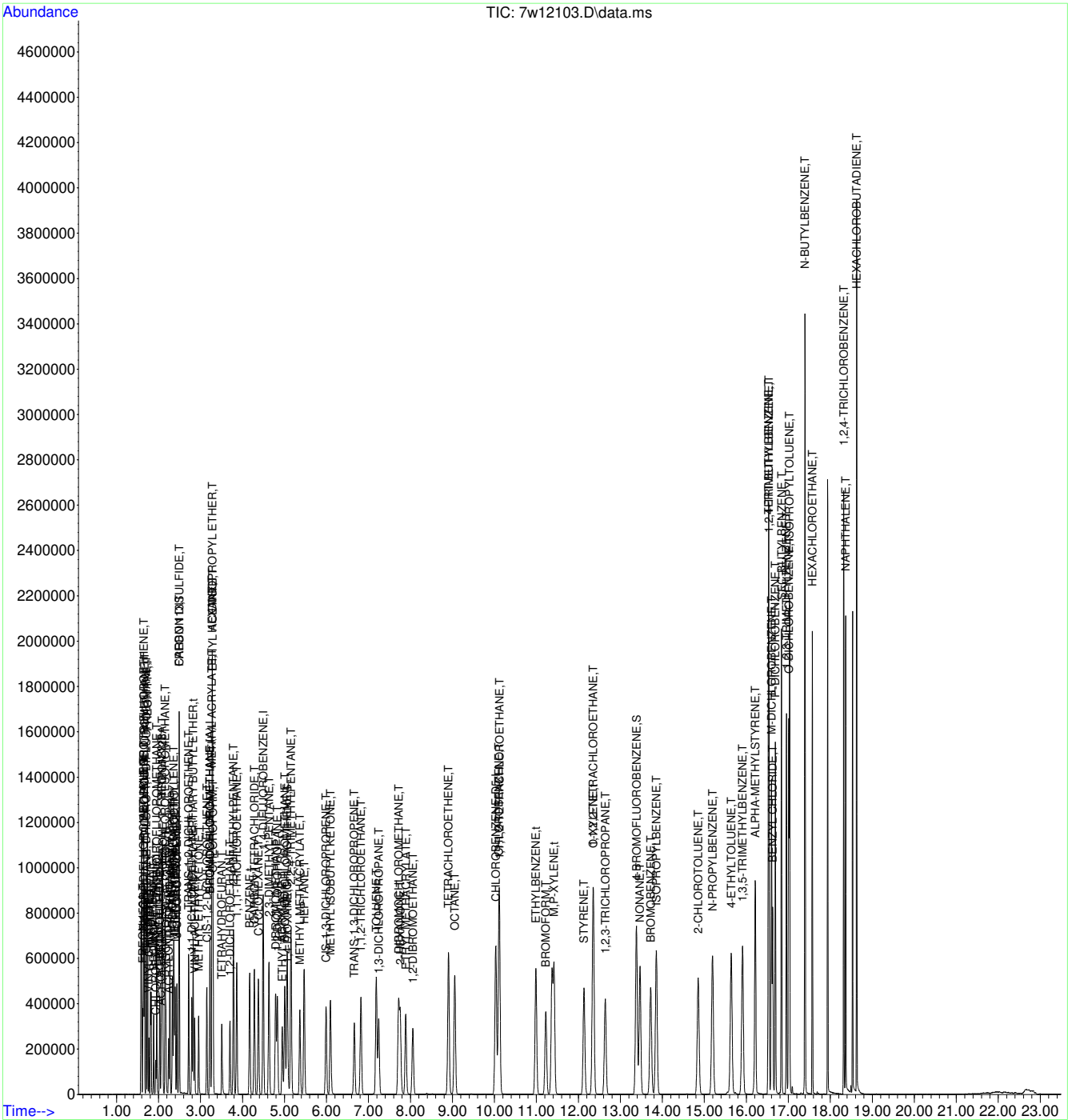
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12103.D
Acq On : 25 Jan 2025 6:57 pm
Operator : benk
Sample : bs
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 19:48:22 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12104.D
Acq On : 25 Jan 2025 7:35 pm
Operator : benk
Sample : bsd
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 20:11:25 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.225	128	135558	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	682375	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	633714	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	135558	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	498686	10.85	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	67511	10.46	PPBV		99
4) CHLORODIFLUOROMETHANE	1.640	67	35758	10.91	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	163553	10.36	PPBV		84
6) DICHLORODIFLUOROMETHANE	1.666	85	397556	11.76	PPBV		98
7) PROPYLENE	1.650	41	77208	8.68	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	297666	11.89	PPBV		98
9) FREON 114	1.740	85	335534	12.52	PPBV		97
10) CHLOROMETHANE	1.711	52	33705	9.61	PPBV		99
11) VINYL CHLORIDE	1.772	62	127322	11.23	PPBV		99
12) 1,3-BUTADIENE	1.808	54	95183	9.85	PPBV		97
13) N-BUTANE	1.824	43	171350	9.75	PPBV		98
14) BROMOMETHANE	1.885	94	113978	11.24	PPBV		100
15) CHLOROETHANE	1.933	64	66437	10.83	PPBV		97
16) DICHLOROFLUOROMETHANE	1.955	67	275855	11.54	PPBV		98
17) ACETONITRILE	2.023	41	97271	8.93	PPBV		99
18) ACROLEIN	2.062	56	52856	9.24	PPBV		98
19) FREON 123	2.074	83	299666	11.62	PPBV		97
20) FREON 123A	2.094	117	178768	11.13	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.158	101	348693	11.71	PPBV		100
22) ISOPROPYL ALCOHOL	2.174	45	237110	9.44	PPBV		98
23) ACETONE	2.100	58	63049	8.01	PPBV		92
24) PENTANE	2.271	42	121010	10.03	PPBV		99
25) IODOMETHANE	2.332	142	322742	11.83	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	122975	10.46	PPBV		93
27) CARBON DISULFIDE	2.492	76	353054	12.06	PPBV		99
28) ETHANOL	1.962	45	60316	8.77	PPBV		99
29) BROMOETHENE	2.033	106	118357	10.96	PPBV		99
30) ACRYLONITRILE	2.242	52	85947	8.82	PPBV		98
31) METHYLENE CHLORIDE	2.396	84	110721	10.32	PPBV		92
32) 3-CHLOROPROPENE	2.438	76	61224	10.97	PPBV		83
33) FREON 113	2.492	151	209983	11.80	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.717	96	125248	10.24	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.373	59	259519	8.99	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.824	73	372510	10.65	PPBV		98
37) TETRAHYDROFURAN	3.505	72	62804	11.58	PPBV		88
38) HEXANE	3.277	57	223029	9.99	PPBV		98
39) VINYL ACETATE	2.859	86	31737	9.58	PPBV		81
40) 1,1-DICHLOROETHANE	2.791	63	235553	10.76	PPBV		99
41) METHYL ETHYL KETONE	2.955	72	67647	11.23	PPBV		82
42) CIS-1,2-DICHLOROETHENE	3.152	96	140324	11.13	PPBV		98
43) DIISOPROPYL ETHER	3.280	59	64684	10.46	PPBV		92
44) ETHYL ACETATE	3.283	61	46154	10.79	PPBV		96
45) METHYL ACRYLATE	3.271	55	266215	10.61	PPBV	#	99
46) CHLOROFORM	3.296	83	293857	11.86	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.785	57	255416	10.35	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.862	97	299448	11.27	PPBV		100
49) CARBON TETRACHLORIDE	4.280	117	302644	11.48	PPBV		100
50) 1,2-DICHLOROETHANE	3.701	62	216097	11.65	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12104.D
Acq On : 25 Jan 2025 7:35 pm
Operator : benk
Sample : bsd
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 20:11:25 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	409174	11.30	PPBV	96
53)	CYCLOHEXANE	4.377	84	181652	11.27	PPBV	94
54)	2,3-DIMETHYLPENTANE	4.631	71	92697	10.95	PPBV	92
55)	TRICHLOROETHENE	5.061	95	194652	11.22	PPBV	97
56)	1,2-DICHLOROPROPANE	4.830	63	154048	10.41	PPBV	97
57)	DIBROMOMETHANE	4.788	174	168619	10.35	PPBV	99
58)	ETHYL ACRYLATE	4.946	55	327655	10.42	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	322559	11.67	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.151	57	685973	10.45	PPBV	100
61)	1,4-DIOXANE	5.074	88	99302	10.27	PPBV	97
62)	HEPTANE	5.467	43	234763	10.18	PPBV	93
63)	METHYL METHACRYLATE	5.364	69	156119	10.53	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.094	58	137974	10.02	PPBV	94
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	261884	11.30	PPBV	94
66)	TOLUENE	7.184	91	515908	10.70	PPBV	99
67)	1,3-DICHLOROPROPANE	7.245	76	260934	11.59	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	227061	10.42	PPBV	94
69)	1,1,2-TRICHLOROETHANE	6.820	83	151274	11.41	PPBV	98
70)	2-HEXANONE	7.756	58	189566	8.82	PPBV	94
71)	ETHYL METHACRYLATE	7.891	69	261292	10.14	PPBV	95
72)	TETRACHLOROETHENE	8.904	164	221293	12.11	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.717	129	308145	11.07	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	283318	11.68	PPBV	99
75)	OCTANE	9.052	43	323867	9.91	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	228341	11.27	PPBV	97
78)	CHLOROBENZENE	10.106	112	424617	11.51	PPBV	98
79)	ETHYLBENZENE	10.987	91	700146	11.22	PPBV	98
80)	M,P-XYLENE	11.418	91	1104827	22.58	PPBV	99
81)	O-XYLENE	12.344	91	564888	11.50	PPBV	98
82)	STYRENE	12.132	104	418507	11.89	PPBV	98
83)	NONANE	13.469	43	349025	10.34	PPBV	96
84)	BROMOFORM	11.225	173	282374	11.62	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.357	83	406818	12.44	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.637	75	315999	12.11	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	207065	11.03	PPBV	93
89)	BROMOBENZENE	13.723	77	396948	11.34	PPBV	98
90)	2-CHLOROTOLUENE	14.855	126	185961	10.89	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	215401	11.32	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	801707	11.75	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	678853	11.82	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.215	118	333255	11.36	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	166030	12.08	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	719724	12.42	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	465845	9.08	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	468055	11.84	PPBV	100
99)	P-DICHLOROBENZENE	16.691	146	476019	12.38	PPBV	99
100)	O-DICHLOROBENZENE	17.009	146	454300	12.18	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	208711	12.18	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	696263	12.00	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	228957	12.06	PPBV	99
104)	N-BUTYLBENZENE	17.392	134	226762	12.22	PPBV	92
105)	HEXACHLOROETHANE	17.572	117	231680	10.48	PPBV	98
106)	HEXACHLOROBUTADIENE	18.627	225	377158	13.59	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.315	180	439761	13.79	PPBV	99
108)	NAPHTHALENE	18.363	128	942877	13.32	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	606697	10.54	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12104.D
Acq On : 25 Jan 2025 7:35 pm
Operator : benk
Sample : bsd
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 20:11:25 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

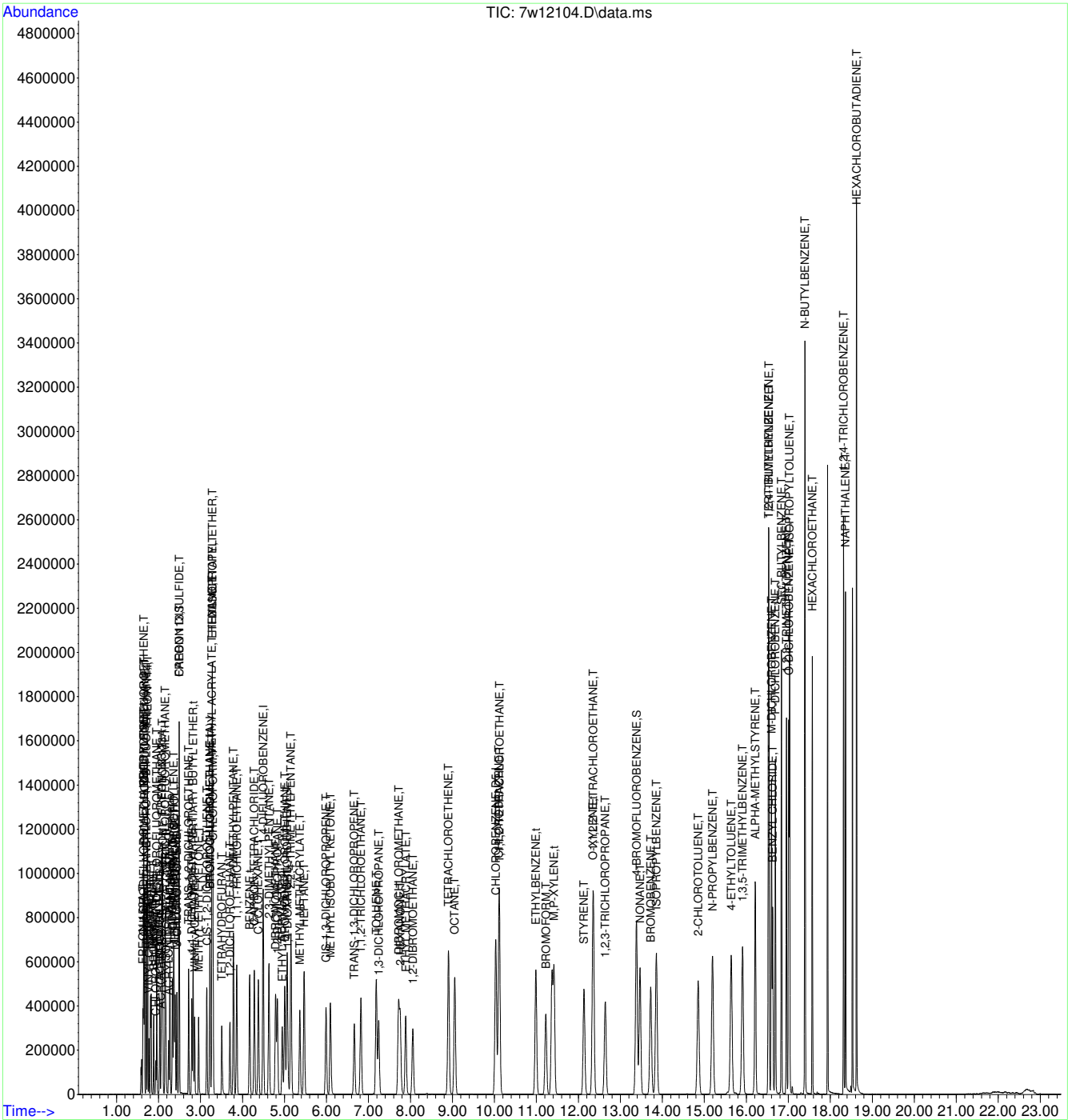
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12104.D
Acq On : 25 Jan 2025 7:35 pm
Operator : benk
Sample : bsd
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 20:11:25 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13011.D
Acq On : 26 Feb 2025 10:24 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:05:12 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	130930	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	636504	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	592766	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	130930	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	437686	10.18	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.624	65	69633	11.1680	PPBV	94
4) CHLORODIFLUOROMETHANE	1.637	67	30606	9.6694	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.650	116	168244	11.0346	PPBV	95
6) DICHLORODIFLUOROMETHANE	1.666	85	343833	10.5324	PPBV	98
7) PROPYLENE	1.647	41	90463	10.5286	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	227903	9.4259	PPBV	97
9) FREON 114	1.737	85	297986	11.5076	PPBV	97
10) CHLOROMETHANE	1.708	52	36193	10.6797	PPBV	99
11) VINYL CHLORIDE	1.769	62	130058	11.8767	PPBV	100
12) 1,3-BUTADIENE	1.808	54	104701	11.2212	PPBV	88
13) N-BUTANE	1.824	43	181121	10.6662	PPBV	98
14) BROMOMETHANE	1.882	94	110083	11.2445	PPBV	99
15) CHLOROETHANE	1.930	64	68062	11.4850	PPBV	94
16) DICHLOROFLUOROMETHANE	1.956	67	249411	10.8036	PPBV	98
17) ACETONITRILE	2.023	41	107746	10.2389	PPBV	97
18) ACROLEIN	2.062	56	58353	10.5577	PPBV	97
19) FREON 123	2.078	83	284179	11.4070	PPBV	96
20) FREON 123A	2.094	117	176863	11.4025	PPBV	99
21) TRICHLOROFLUOROMETHANE	2.158	101	294849	10.2559	PPBV	100
22) ISOPROPYL ALCOHOL	2.174	45	258537	10.6589	PPBV	98
23) ACETONE	2.100	58	68838	9.0491	PPBV	75
24) PENTANE	2.271	42	132922	11.4087	PPBV	94
25) IODOMETHANE	2.335	142	318531	12.0897	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.361	96	122728	10.8106	PPBV	90
27) CARBON DISULFIDE	2.496	76	320645	11.3417	PPBV	96
28) ETHANOL	1.962	45	83793	12.6196	PPBV	99
29) BROMOETHENE	2.033	106	117073	11.2247	PPBV	97
30) ACRYLONITRILE	2.242	52	96445	10.2434	PPBV	97
31) METHYLENE CHLORIDE	2.399	84	108108	10.4321	PPBV	93
32) 3-CHLOROPROPENE	2.441	76	55933	10.3749	PPBV	89
33) FREON 113	2.496	151	202981	11.8087	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.721	96	128694	10.8894	PPBV	92
35) TERTIARY BUTYL ALCOHOL	2.377	59	256467	9.1938	PPBV	95
36) METHYL TERTIARY BUTYL ...	2.827	73	336077	9.9444	PPBV	98
37) TETRAHYDROFURAN	3.509	72	60296	11.5134	PPBV	98
38) HEXANE	3.280	57	235723	10.9316	PPBV	92
39) VINYL ACETATE	2.862	86	31815	9.9463	PPBV	94
40) 1,1-DICHLOROETHANE	2.795	63	236887	11.2025	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	65182	11.2055	PPBV	99
42) CIS-1,2-DICHLOROETHENE	3.155	96	137251	11.2752	PPBV	98
43) DIISOPROPYL ETHER	3.283	59	66809	11.1875	PPBV	99
44) ETHYL ACETATE	3.287	61	47197	11.4238	PPBV	96
45) METHYL ACRYLATE	3.274	55	273617	11.2944	PPBV #	100
46) CHLOROFORM	3.300	83	259782	10.8553	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.788	57	272790	11.4420	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	266073	10.3679	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	275168	10.8113	PPBV	97
50) 1,2-DICHLOROETHANE	3.705	62	184755	10.3115	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13011.D
Acq On : 26 Feb 2025 10:24 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:05:12 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	388544	11.1115	PPBV	99
53)	CYCLOHEXANE	4.380	84	176670	11.7481	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.634	71	89341	11.3154	PPBV	93
55)	TRICHLOROETHENE	5.065	95	183618	11.3487	PPBV	97
56)	1,2-DICHLOROPROPANE	4.833	63	160446	11.6238	PPBV	95
57)	DIBROMOMETHANE	4.791	174	173473	11.4106	PPBV	90
58)	ETHYL ACRYLATE	4.949	55	340026	11.5935	PPBV	100
59)	BROMODICHLOROMETHANE	5.010	83	284906	11.0528	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	734058	11.9933	PPBV	99
61)	1,4-DIOXANE	5.081	88	95703	10.6082	PPBV	97
62)	HEPTANE	5.470	43	256123	11.9073	PPBV	98
63)	METHYL METHACRYLATE	5.367	69	149245	10.7960	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.097	58	146259	11.3897	PPBV	93
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	236037	10.9192	PPBV	92
66)	TOLUENE	7.190	91	492835	10.9579	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	238182	11.3393	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	198390	9.7626	PPBV	94
69)	1,1,2-TRICHLOROETHANE	6.823	83	144160	11.6608	PPBV	99
70)	2-HEXANONE	7.756	58	200609	10.0043	PPBV	92
71)	ETHYL METHACRYLATE	7.891	69	247278	10.2887	PPBV	99
72)	TETRACHLOROETHENE	8.910	164	209287	12.2815	PPBV	96
73)	DIBROMOCHLOROMETHANE	7.721	129	305492	11.7615	PPBV	99
74)	1,2-DIBROMOETHANE	8.061	107	276670	12.2248	PPBV	100
75)	OCTANE	9.058	43	355430	11.6626	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	219592	11.5908	PPBV	96
78)	CHLOROBENZENE	10.106	112	423768	12.2855	PPBV	97
79)	ETHYLBENZENE	10.987	91	656673	11.2475	PPBV	97
80)	M,P-XYLENE	11.415	91	1016223	22.2041	PPBV	100
81)	O-XYLENE	12.347	91	520435	11.3223	PPBV	98
82)	STYRENE	12.135	104	410306	12.4636	PPBV	98
83)	NONANE	13.466	43	369448	11.7014	PPBV	98
84)	BROMOFORM	11.225	173	306471	13.4864	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.357	83	380410	12.4356	PPBV	97
86)	1,2,3-TRICHLOROPROPANE	12.643	75	283967	11.6356	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	210498	11.9870	PPBV	93
89)	BROMOBENZENE	13.720	77	355324	10.8545	PPBV	92
90)	2-CHLOROTOLUENE	14.852	126	192557	12.0542	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	221266	12.4317	PPBV	98
92)	4-ETHYLTOLUENE	15.637	105	760807	11.9177	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	629349	11.7144	PPBV	96
94)	ALPHA-METHYLSTYRENE	16.212	118	327122	11.9224	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	158414	12.3200	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	648149	11.9604	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	415064	8.6497	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	452743	12.2486	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	459744	12.7795	PPBV	98
100)	O-DICHLOROBENZENE	17.006	146	431776	12.3709	PPBV	99
101)	SEC-BUTYLBENZENE	16.836	134	196470	12.2613	PPBV	98
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	619828	11.4187	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	212896	11.9855	PPBV	98
104)	N-BUTYLBENZENE	17.392	134	211896	12.2096	PPBV	96
105)	HEXACHLOROETHANE	17.572	117	237906	11.5068	PPBV	94
106)	HEXACHLOROBUTADIENE	18.627	225	338245	13.0278	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	377375	12.6493	PPBV	99
108)	NAPHTHALENE	18.363	128	780117	11.7816	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	611376	10.9972	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13011.D
Acq On : 26 Feb 2025 10:24 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:05:12 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

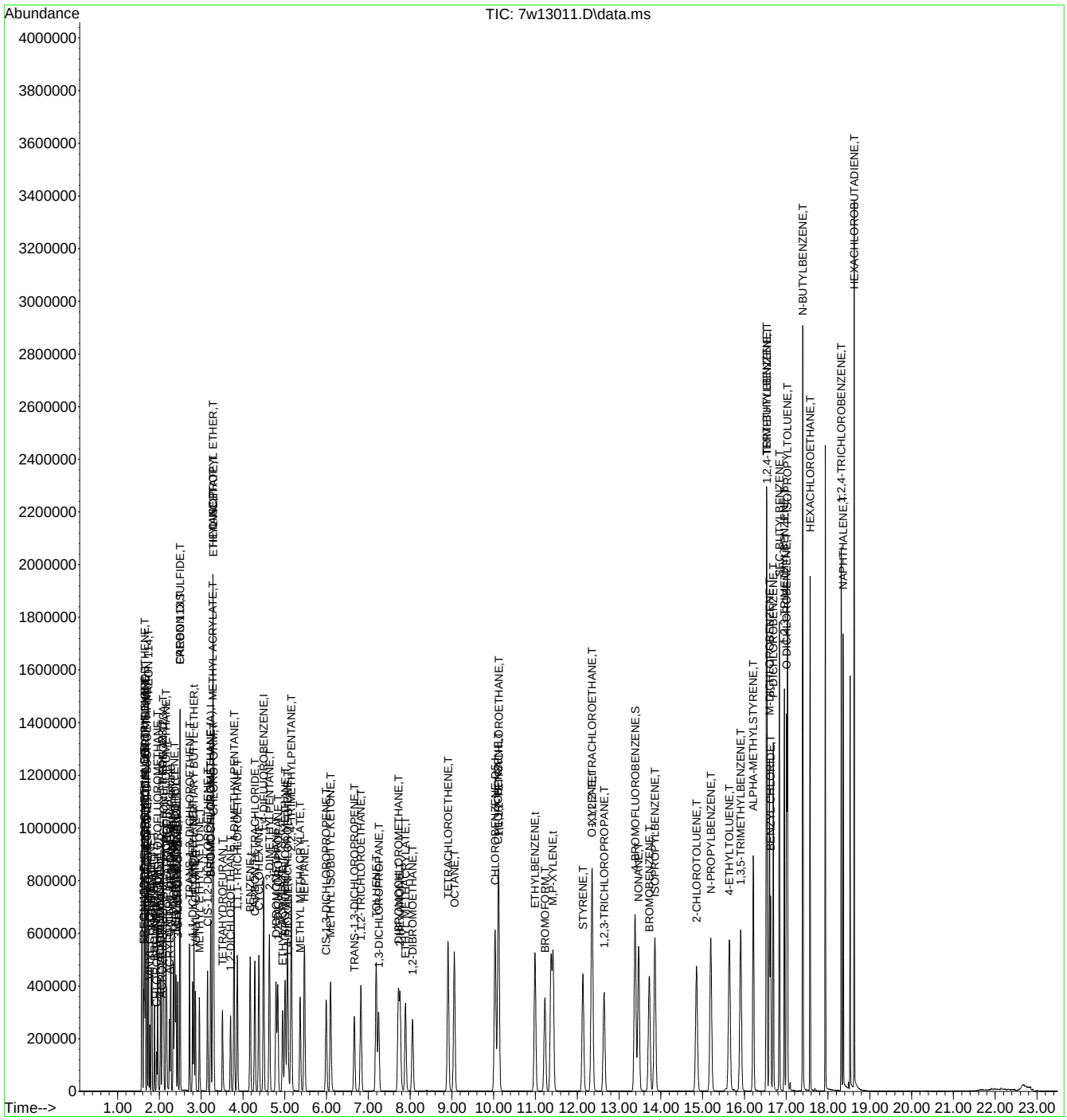
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13011.D
Acq On : 26 Feb 2025 10:24 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:05:12 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13012.D
Acq On : 26 Feb 2025 11:01 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:08:10 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	130307	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	635926	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	594825	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	130307	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	439245	10.18	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.627	65	70558	11.3705	PPBV	93
4) CHLORODIFLUOROMETHANE	1.640	67	30974	9.8324	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.650	116	169228	11.1522	PPBV	95
6) DICHLORODIFLUOROMETHANE	1.666	85	346751	10.6726	PPBV	97
7) PROPYLENE	1.650	41	90811	10.6196	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	229535	9.5388	PPBV	97
9) FREON 114	1.740	85	299121	11.6066	PPBV	97
10) CHLOROMETHANE	1.711	52	36394	10.7904	PPBV	99
11) VINYL CHLORIDE	1.772	62	129978	11.9262	PPBV	100
12) 1,3-BUTADIENE	1.811	54	104601	11.2641	PPBV	89
13) N-BUTANE	1.827	43	181392	10.7332	PPBV	98
14) BROMOMETHANE	1.885	94	111601	11.4540	PPBV	99
15) CHLOROETHANE	1.933	64	69317	11.7527	PPBV	88
16) DICHLOROFLUOROMETHANE	1.959	67	251572	10.9493	PPBV	98
17) ACETONITRILE	2.026	41	107235	10.2390	PPBV	97
18) ACROLEIN	2.065	56	58280	10.5949	PPBV	98
19) FREON 123	2.078	83	283503	11.4343	PPBV	96
20) FREON 123A	2.097	117	176610	11.4406	PPBV	100
21) TRICHLOROFLUOROMETHANE	2.161	101	295261	10.3194	PPBV	99
22) ISOPROPYL ALCOHOL	2.177	45	256115	10.6095	PPBV	98
23) ACETONE	2.103	58	68258	9.0158	PPBV	75
24) PENTANE	2.274	42	133666	11.5275	PPBV	94
25) IODOMETHANE	2.335	142	321015	12.2422	PPBV	94
26) 1,1-DICHLOROETHYLENE	2.364	96	122635	10.8540	PPBV	90
27) CARBON DISULFIDE	2.495	76	320030	11.3740	PPBV	95
28) ETHANOL	1.962	45	83371	12.6161	PPBV	99
29) BROMOETHENE	2.033	106	116747	11.2470	PPBV	96
30) ACRYLONITRILE	2.245	52	95306	10.1709	PPBV	96
31) METHYLENE CHLORIDE	2.399	84	108764	10.5455	PPBV	95
32) 3-CHLOROPROPENE	2.441	76	56331	10.4986	PPBV	89
33) FREON 113	2.495	151	203855	11.9163	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.721	96	130194	11.0690	PPBV	92
35) TERTIARY BUTYL ALCOHOL	2.377	59	255629	9.2076	PPBV	95
36) METHYL TERTIARY BUTYL ...	2.827	73	340799	10.1323	PPBV	98
37) TETRAHYDROFURAN	3.508	72	60104	11.5316	PPBV	98
38) HEXANE	3.280	57	234237	10.9147	PPBV	92
39) VINYL ACETATE	2.862	86	31961	10.0397	PPBV	96
40) 1,1-DICHLOROETHANE	2.795	63	237367	11.2789	PPBV	99
41) METHYL ETHYL KETONE	2.958	72	65132	11.2505	PPBV	100
42) CIS-1,2-DICHLOROETHENE	3.155	96	138241	11.4108	PPBV	97
43) DIISOPROPYL ETHER	3.283	59	67911	11.4264	PPBV	95
44) ETHYL ACETATE	3.286	61	47673	11.5941	PPBV	93
45) METHYL ACRYLATE	3.274	55	275790	11.4385	PPBV #	100
46) CHLOROFORM	3.299	83	260679	10.9449	PPBV	96
47) 2,4-DIMETHYLPENTANE	3.788	57	270831	11.4141	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	265349	10.3892	PPBV	98
49) CARBON TETRACHLORIDE	4.286	117	273174	10.7843	PPBV	97
50) 1,2-DICHLOROETHANE	3.704	62	183283	10.2783	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13012.D
Acq On : 26 Feb 2025 11:01 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:08:10 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	390165	11.2112	PPBV	98
53)	CYCLOHEXANE	4.380	84	175795	11.7005	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.634	71	89291	11.3194	PPBV	94
55)	TRICHLOROETHENE	5.065	95	182874	11.3130	PPBV	97
56)	1,2-DICHLOROPROPANE	4.833	63	159896	11.5945	PPBV	95
57)	DIBROMOMETHANE	4.791	174	172717	11.3712	PPBV	91
58)	ETHYL ACRYLATE	4.949	55	336855	11.4958	PPBV	100
59)	BROMODICHLOROMETHANE	5.010	83	281800	10.9422	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	734619	12.0134	PPBV	99
61)	1,4-DIOXANE	5.077	88	96560	10.7129	PPBV	97
62)	HEPTANE	5.473	43	253365	11.7898	PPBV	98
63)	METHYL METHACRYLATE	5.367	69	149069	10.7931	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.097	58	146374	11.4090	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	234753	10.8697	PPBV	93
66)	TOLUENE	7.190	91	493208	10.9762	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	237053	11.2958	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	198482	9.7760	PPBV	93
69)	1,1,2-TRICHLOROETHANE	6.823	83	143739	11.6373	PPBV	98
70)	2-HEXANONE	7.759	58	203515	10.1585	PPBV	91
71)	ETHYL METHACRYLATE	7.891	69	248613	10.3537	PPBV	98
72)	TETRACHLOROETHENE	8.907	164	210162	12.3441	PPBV	96
73)	DIBROMOCHLOROMETHANE	7.717	129	301328	11.6117	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	275973	12.2051	PPBV	100
75)	OCTANE	9.058	43	355028	11.6600	PPBV	98
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	220180	11.5816	PPBV	96
78)	CHLOROBENZENE	10.106	112	420581	12.1509	PPBV	97
79)	ETHYLBENZENE	10.990	91	656053	11.1979	PPBV	97
80)	M,P-XYLENE	11.418	91	1017719	22.1598	PPBV	100
81)	O-XYLENE	12.347	91	519867	11.2708	PPBV	97
82)	STYRENE	12.138	104	410453	12.4249	PPBV	98
83)	NONANE	13.466	43	367847	11.6104	PPBV	98
84)	BROMOFORM	11.225	173	304068	13.3343	PPBV	98
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	381866	12.4400	PPBV	97
86)	1,2,3-TRICHLOROPROPANE	12.640	75	282991	11.5554	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	212193	12.0417	PPBV	93
89)	BROMOBENZENE	13.723	77	354230	10.7837	PPBV	91
90)	2-CHLOROTOLUENE	14.852	126	191762	11.9629	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	223411	12.5088	PPBV	98
92)	4-ETHYLTOLUENE	15.640	105	775428	12.1046	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	631178	11.7077	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.215	118	328840	11.9435	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	159641	12.3724	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	649182	11.9380	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	417114	8.6623	PPBV	99
98)	M-DICHLOROBENZENE	16.598	146	453956	12.2389	PPBV	99
99)	P-DICHLOROBENZENE	16.691	146	464501	12.8671	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	430949	12.3045	PPBV	99
101)	SEC-BUTYLBENZENE	16.839	134	199157	12.3859	PPBV	97
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	622164	11.4220	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	215935	12.1145	PPBV	97
104)	N-BUTYLBENZENE	17.392	134	213635	12.2672	PPBV	96
105)	HEXACHLOROETHANE	17.572	117	239302	11.5342	PPBV	94
106)	HEXACHLOROBUTADIENE	18.627	225	336443	12.9135	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	381515	12.7438	PPBV	98
108)	NAPHTHALENE	18.366	128	804092	12.1016	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	621545	11.2336	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13012.D
Acq On : 26 Feb 2025 11:01 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:08:10 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

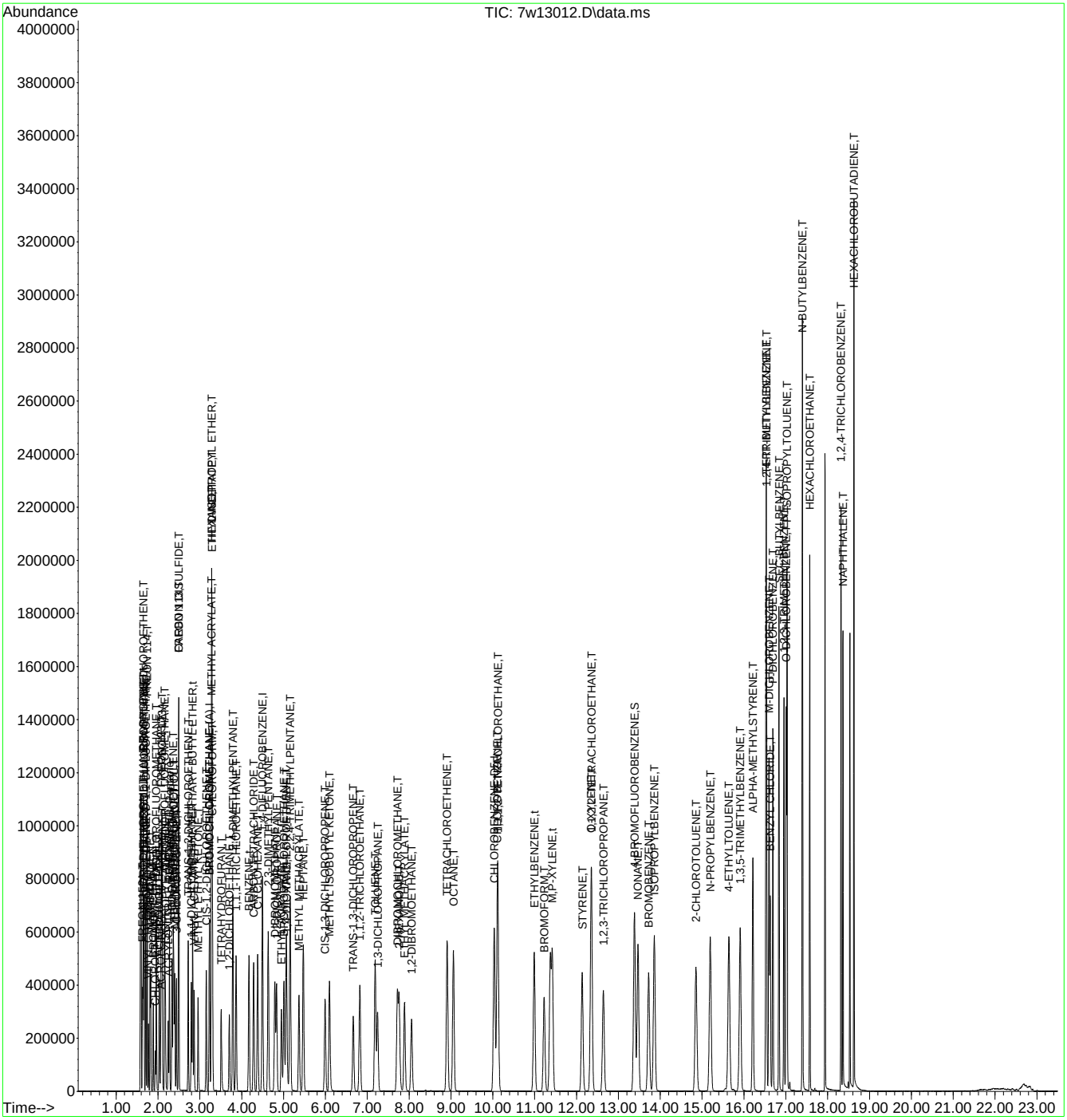
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13012.D
Acq On : 26 Feb 2025 11:01 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:08:10 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/08/25 02:00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35365.D
Acq On : 4 Apr 2025 5:41 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:29:07 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

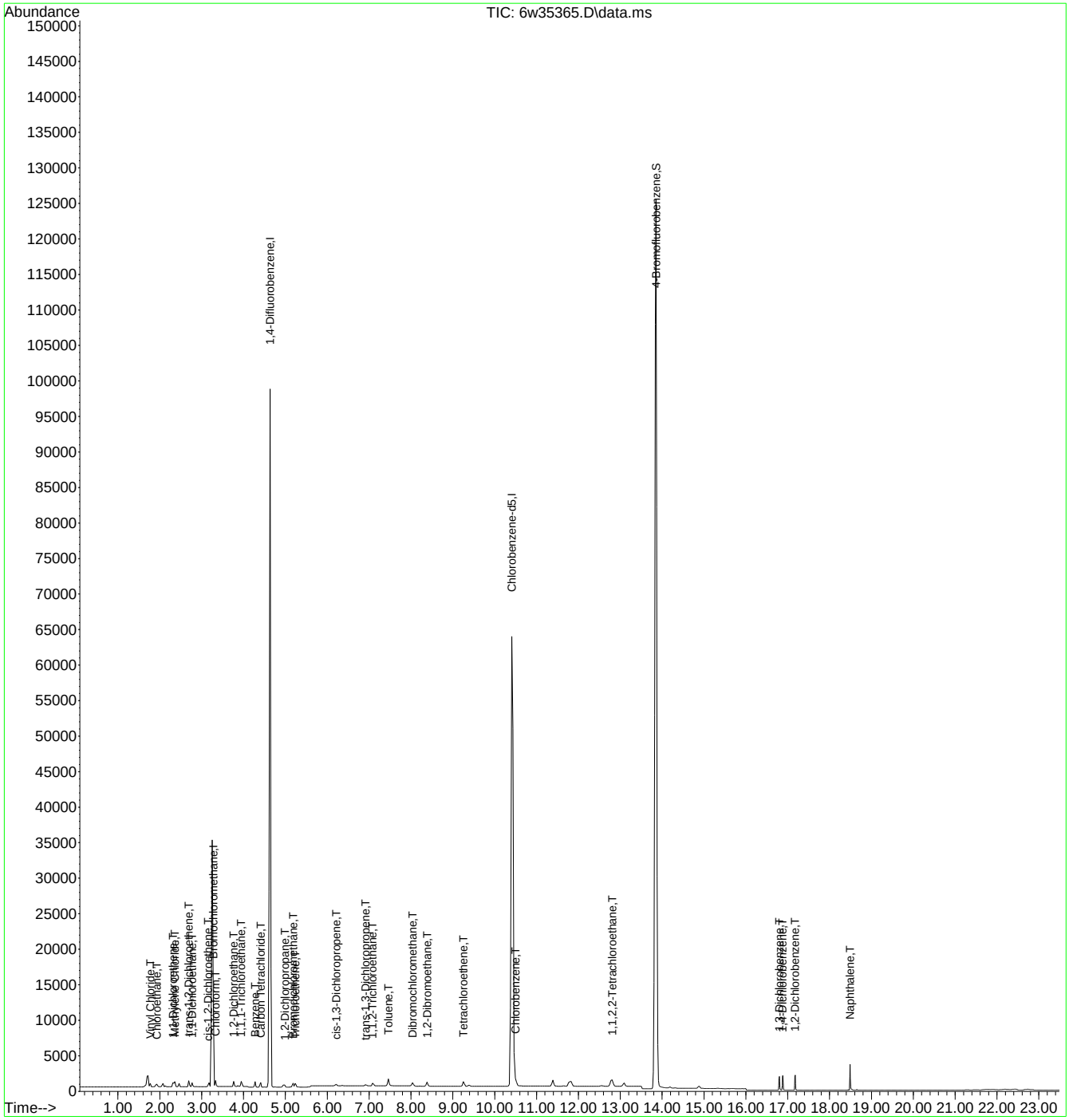
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27573	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	153967	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	67490	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	98919	9.95	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.50%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	539	0.1409	ppb(v	88
3) Vinyl Chloride	1.773	62	536	0.1040	ppb(v	100
4) Chloroethane	1.926	64	382	0.1014	ppb(v	96
5) 1,1-Dichloroethene	2.309	61	693	0.1131	ppb(v	96
6) trans-1,2-Dichloroethene	2.692	61	861	0.1189	ppb(v	99
7) 1,1-Dichloroethane	2.769	63	604	0.1028	ppb(v	99
8) cis-1,2-Dichloroethene	3.152	61	484	0.1139	ppb(v#	23
9) Chloroform	3.331	83	800m	0.1182	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	592	0.1094	ppb(v	78
11) 1,2-Dichloroethane	3.765	62	651	0.1211	ppb(v	100
12) Benzene	4.278	78	1134	0.1227	ppb(v	97
13) Carbon Tetrachloride	4.411	117	716	0.1255	ppb(v	100
15) Toluene	7.458	92	822	0.1138	ppb(v	98
16) Trichloroethene	5.231	95	567	0.1104	ppb(v	94
17) 1,2-Dichloropropane	4.988	65	125	0.1016	ppb(v	93
18) Bromodichloromethane	5.187	83	746	0.1060	ppb(v	99
19) cis-1,3-Dichloropropene	6.215	75	399	0.0904	ppb(v	99
20) trans-1,3-Dichloropropene	6.909	75	342	0.0847	ppb(v	100
21) 1,1,2-Trichloroethane	7.083	83	390	0.1073	ppb(v	95
22) Dibromochloromethane	8.036	129	669	0.0947	ppb(v	99
23) Tetrachloroethene	9.250	166	1075	0.1366	ppb(v	96
24) 1,2-Dibromoethane	8.383	107	765	0.1132	ppb(v	100
26) Chlorobenzene	10.493	112	1462	0.1333	ppb(v	95
27) 1,1,2,2-Tetrachloroethane	12.805	83	1174	0.1283	ppb(v	99
29) 1,3-Dichlorobenzene	16.800	146	1586	0.1276	ppb(v	86
30) 1,4-Dichlorobenzene	16.877	146	1593	0.1302	ppb(v	98
31) 1,2-Dichlorobenzene	17.173	146	1565	0.1301	ppb(v	94
32) Naphthalene	18.491	128	3289	0.1656	ppb(v	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35365.D
Acq On : 4 Apr 2025 5:41 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:29:07 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

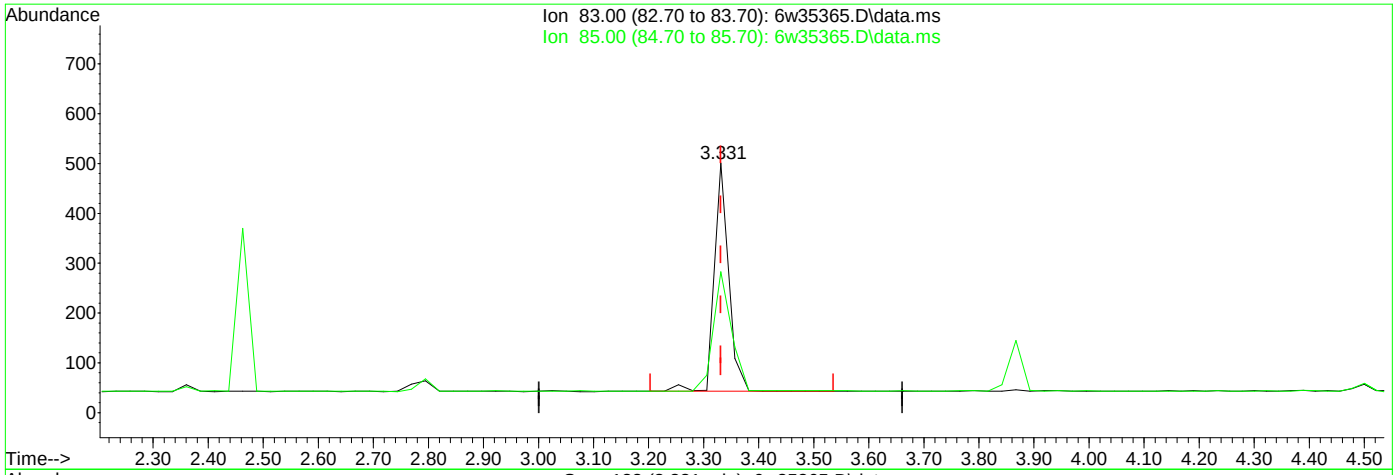
Sample Number: V6W1468-BS
Lab FileID: 6W35365.D
Injection Time: 04/04/25 17:41
Method: TO-15 (BY SIM)
Analyst approved: 04/07/25 00:29 Lucky Carandang
Supervisor approved: 04/08/25 02:00 Kanya Veerawat

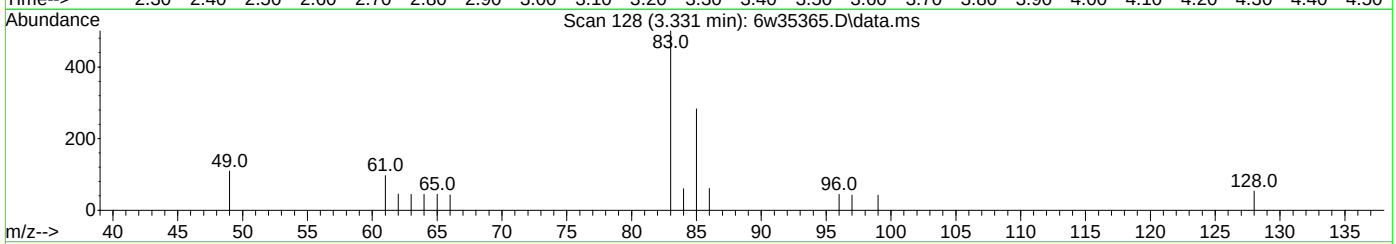
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak

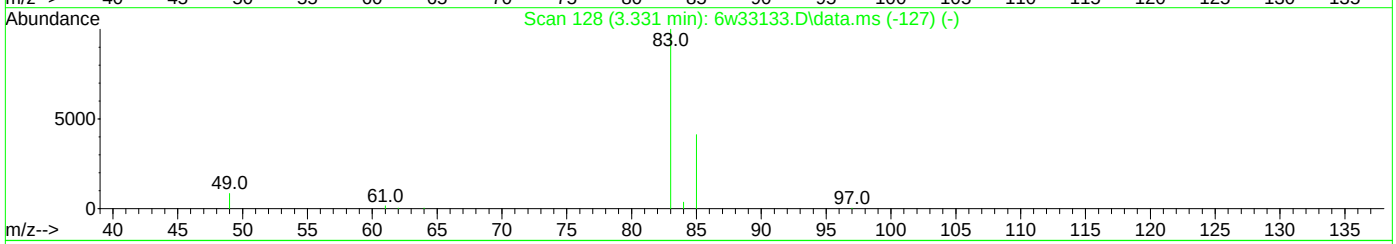
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35365.D
Acq On : 4 Apr 2025 5:41 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:13:31 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35365.D\data.ms

(9) Chloroform (T)

3.331min (+0.000) 0.12ppb(v)

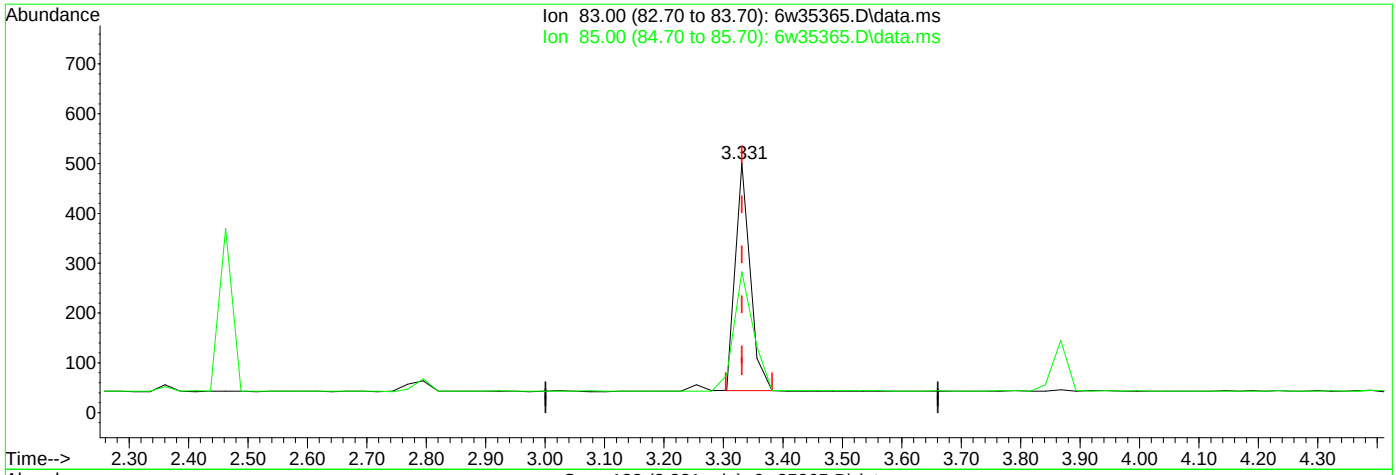
response 829

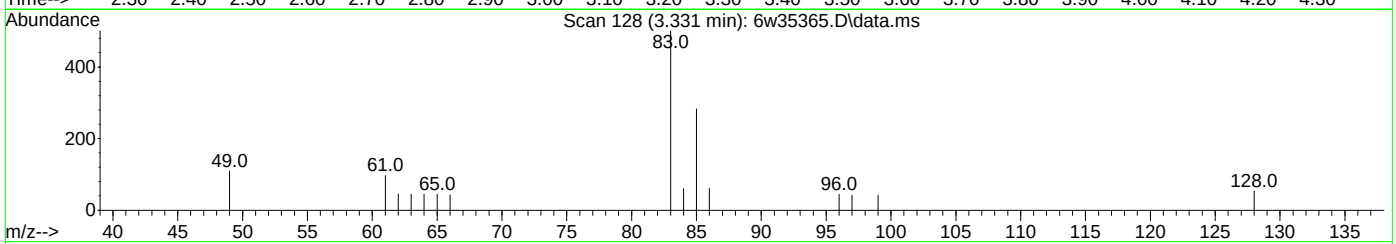
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.49
0.00	0.00	0.00
0.00	0.00	0.00

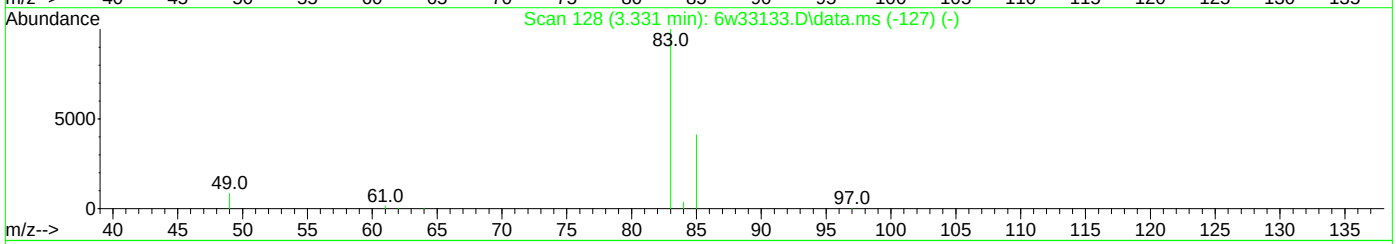
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35365.D
Acq On : 4 Apr 2025 5:41 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:13:31 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35365.D\data.ms

(9) Chloroform (T)

3.331min (+0.000) 0.12ppb(v) m

response 800

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.49
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/08/25 02:00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35367.D
Acq On : 4 Apr 2025 7:01 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:30:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

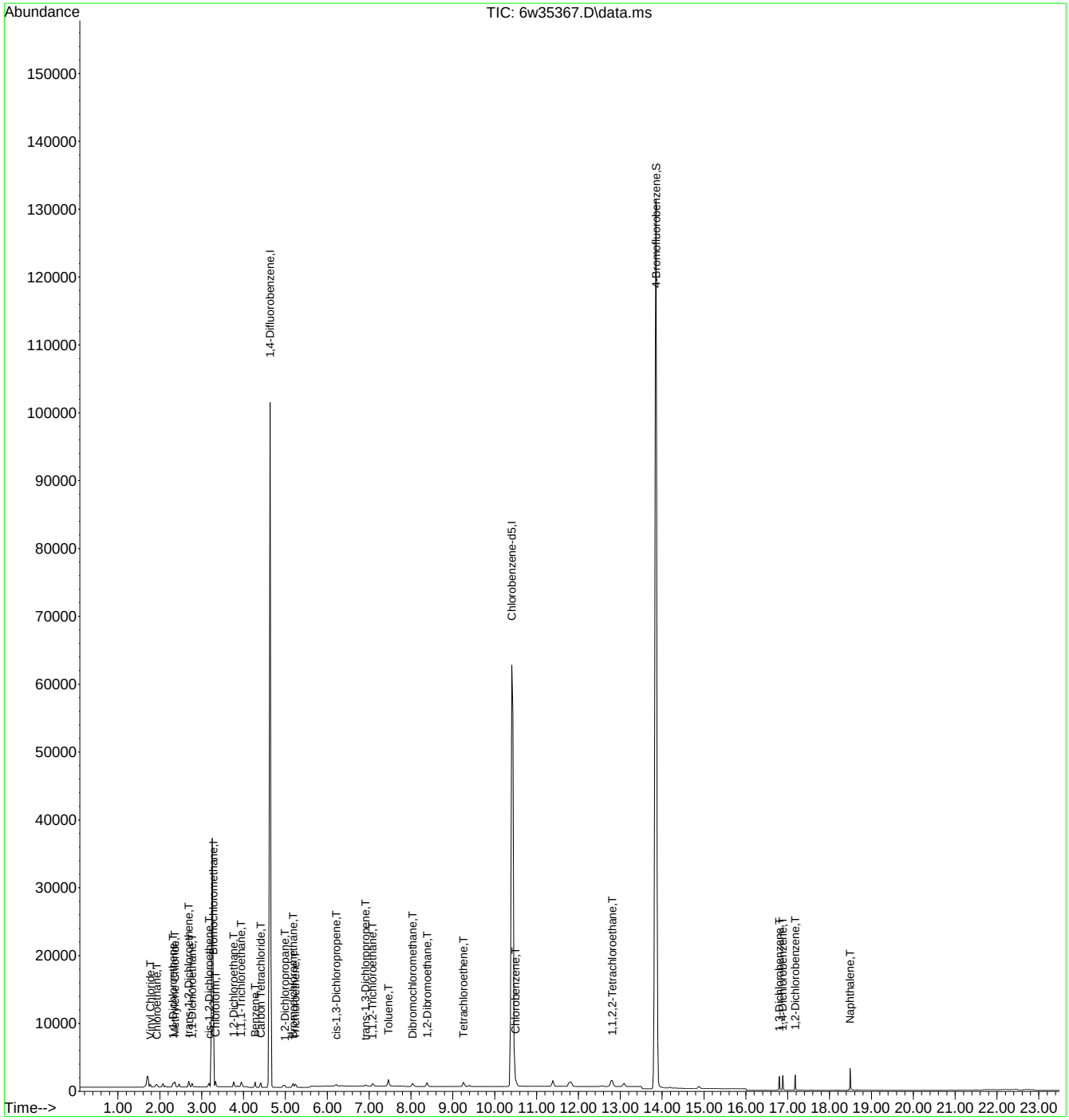
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	28578	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	157992	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	68998	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	102653	10.10	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.00%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	526	0.1327	ppb(v	94
3) Vinyl Chloride	1.773	62	483	0.0904	ppb(v	100
4) Chloroethane	1.926	64	377	0.0965	ppb(v	98
5) 1,1-Dichloroethene	2.309	61	648	0.1021	ppb(v	98
6) trans-1,2-Dichloroethene	2.692	61	863	0.1149	ppb(v	99
7) 1,1-Dichloroethane	2.769	63	582	0.0955	ppb(v	99
8) cis-1,2-Dichloroethene	3.178	61	492	0.1117	ppb(v	92
9) Chloroform	3.331	83	792m	0.1129	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	579	0.1033	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	664	0.1192	ppb(v	97
12) Benzene	4.278	78	1143	0.1193	ppb(v	97
13) Carbon Tetrachloride	4.411	117	715	0.1209	ppb(v	99
15) Toluene	7.458	92	813	0.1097	ppb(v	99
16) Trichloroethene	5.231	95	555	0.1053	ppb(v	95
17) 1,2-Dichloropropane	4.987	65	112	0.0887	ppb(v	96
18) Bromodichloromethane	5.187	83	746	0.1033	ppb(v	99
19) cis-1,3-Dichloropropene	6.215	75	402	0.0888	ppb(v	99
20) trans-1,3-Dichloropropene	6.909	75	328	0.0792	ppb(v	100
21) 1,1,2-Trichloroethane	7.082	83	392	0.1051	ppb(v	98
22) Dibromochloromethane	8.036	129	701	0.0967	ppb(v	99
23) Tetrachloroethene	9.250	166	1077	0.1334	ppb(v	97
24) 1,2-Dibromoethane	8.383	107	770	0.1111	ppb(v	98
26) Chlorobenzene	10.493	112	1439	0.1283	ppb(v	98
27) 1,1,2,2-Tetrachloroethane	12.805	83	1165	0.1246	ppb(v	100
29) 1,3-Dichlorobenzene	16.800	146	1574	0.1238	ppb(v	89
30) 1,4-Dichlorobenzene	16.884	146	1597	0.1277	ppb(v	89
31) 1,2-Dichlorobenzene	17.180	146	1547	0.1258	ppb(v	88
32) Naphthalene	18.491	128	3221	0.1587	ppb(v	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35367.D
Acq On : 4 Apr 2025 7:01 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:30:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

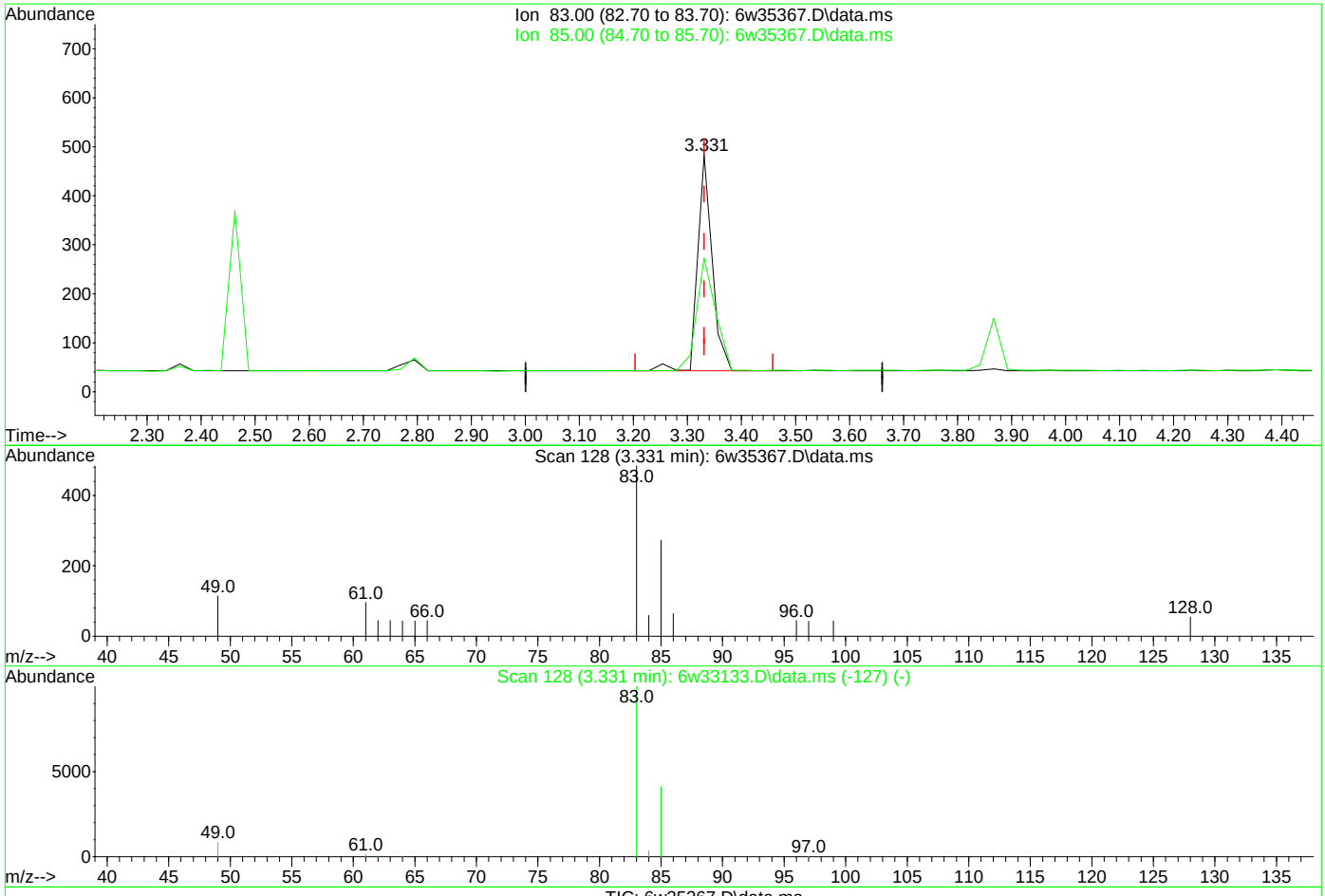
Sample Number: V6W1468-BSD
Lab FileID: 6W35367.D
Injection Time: 04/04/25 19:01
Method: TO-15 (BY SIM)
Analyst approved: 04/07/25 00:29 Lucky Carandang
Supervisor approved: 04/08/25 02:00 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35367.D
Acq On : 4 Apr 2025 7:01 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:13:44 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



TIC: 6w35367.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.12ppb(v)

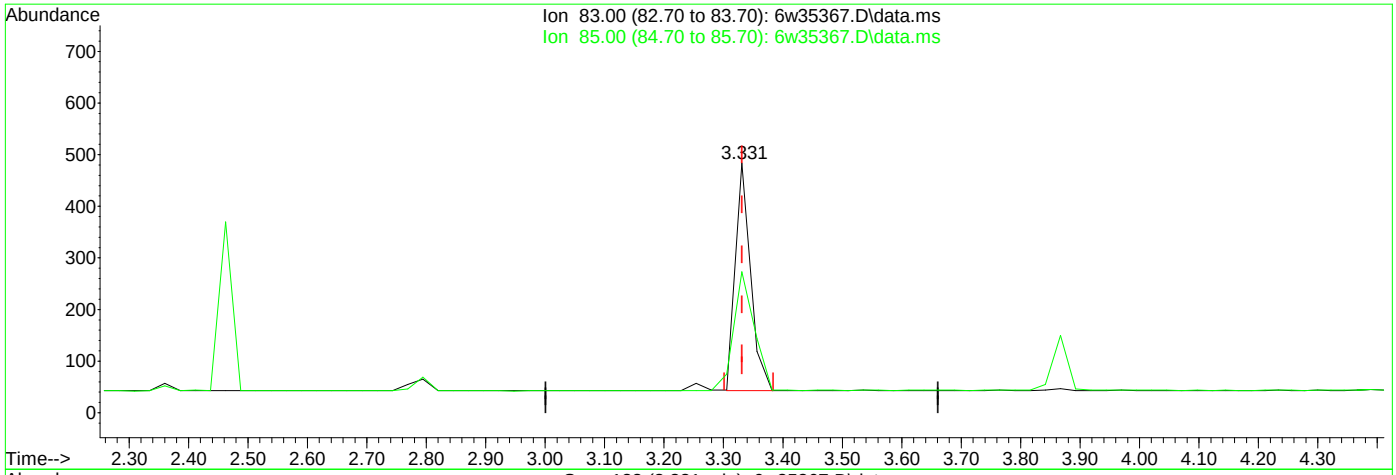
response 817

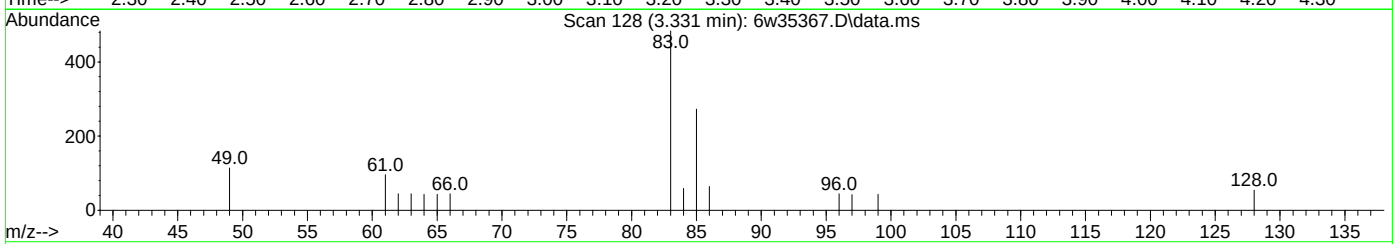
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.40
0.00	0.00	0.00
0.00	0.00	0.00

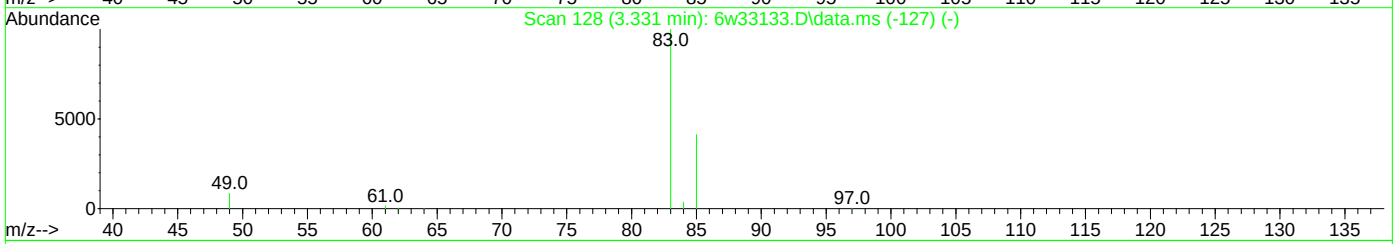
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35367.D
Acq On : 4 Apr 2025 7:01 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:13:44 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35367.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v) m

response 792

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	56.40
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/27/25 01:34

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 03:05:08 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26430	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	146745	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	71267	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	105477	10.05	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.50%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	458	0.1249	ppb(v	82
3) Vinyl Chloride	1.773	62	546	0.1105	ppb(v	100
4) Chloroethane	1.926	64	339	0.0938	ppb(v	95
5) 1,1-Dichloroethene	2.309	61	679	0.1156	ppb(v	96
6) trans-1,2-Dichloroethene	2.693	61	720	0.1037	ppb(v	94
7) 1,1-Dichloroethane	2.769	63	631m	0.1120	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	435	0.1068	ppb(v#	22
9) Chloroform	3.331	83	709m	0.1093	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	570	0.1099	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	565	0.1096	ppb(v	98
12) Benzene	4.278	78	922	0.1040	ppb(v	99
13) Carbon Tetrachloride	4.411	117	628	0.1148	ppb(v	96
15) Toluene	7.458	92	747	0.1086	ppb(v	98
16) Trichloroethene	5.232	95	467	0.0954	ppb(v	87
17) 1,2-Dichloropropane	4.988	65	102	0.0870	ppb(v	96
18) Bromodichloromethane	5.187	83	681	0.1015	ppb(v	95
19) cis-1,3-Dichloropropene	6.216	75	427	0.1016	ppb(v	95
20) trans-1,3-Dichloropropene	6.909	75	371	0.0965	ppb(v	99
21) 1,1,2-Trichloroethane	7.083	83	336	0.0970	ppb(v	92
22) Dibromochloromethane	8.036	129	782	0.1162	ppb(v	99
23) Tetrachloroethene	9.250	166	789	0.1052	ppb(v	100
24) 1,2-Dibromoethane	8.383	107	708	0.1100	ppb(v	99
26) Chlorobenzene	10.493	112	1158	0.1000	ppb(v	98
27) 1,1,2,2-Tetrachloroethane	12.805	83	1041	0.1078	ppb(v	99
29) 1,3-Dichlorobenzene	16.800	146	1232	0.0938	ppb(v	81
30) 1,4-Dichlorobenzene	16.877	146	1254	0.0971	ppb(v	99
31) 1,2-Dichlorobenzene	17.180	146	1221	0.0961	ppb(v	89
32) Naphthalene	18.491	128	2420	0.1154	ppb(v	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

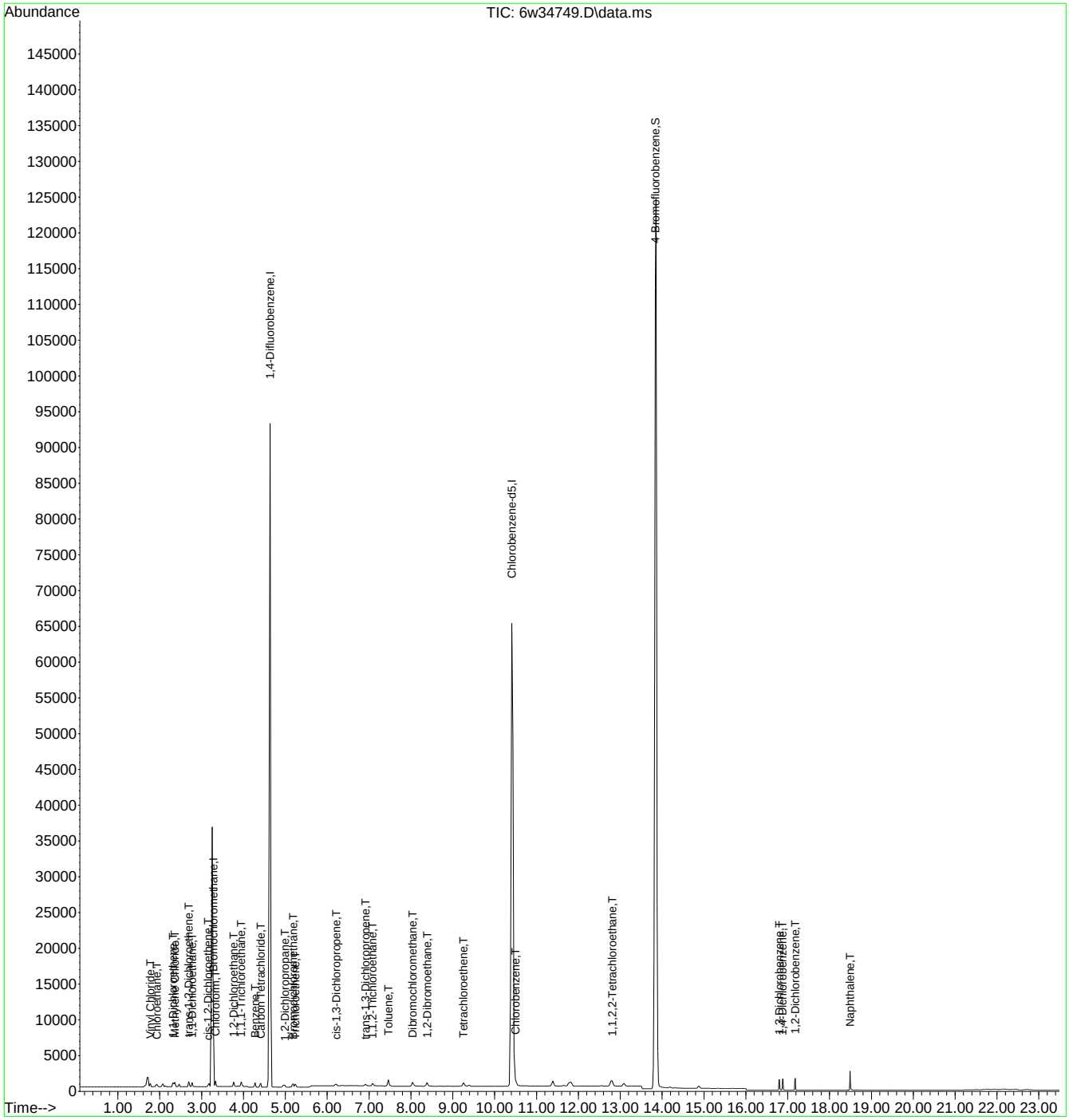
7.3.17

7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 03:05:08 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

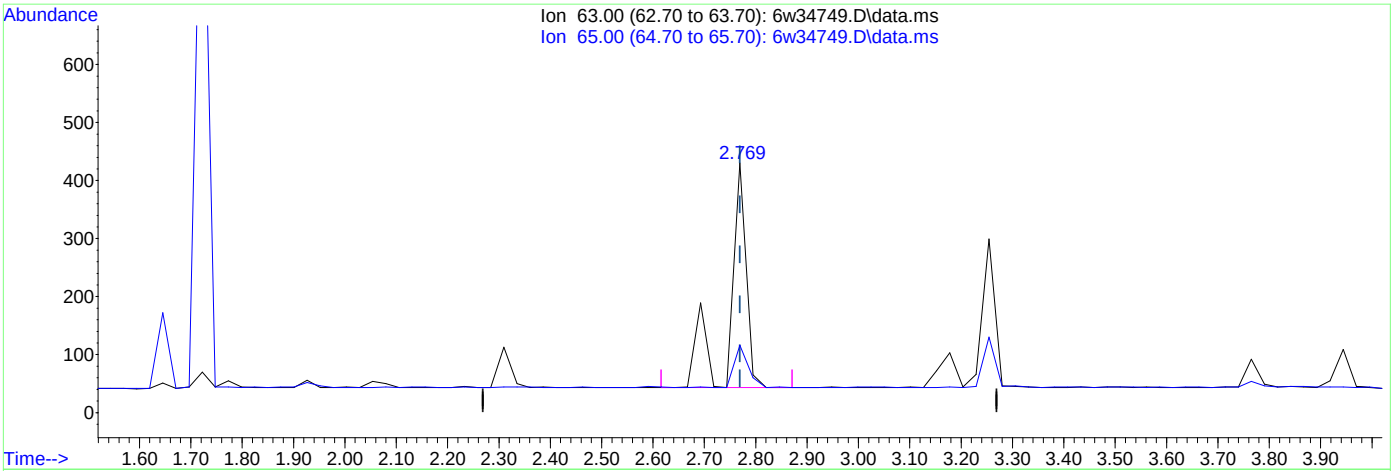
Sample Number: V6W1442-BS
Lab FileID: 6W34749.D
Injection Time: 01/30/25 18:32
Method: TO-15 (BY SIM)
Analyst approved: 02/26/25 23:55 Lucky Carandang
Supervisor approved: 02/27/25 01:34 Kanya Veerawat

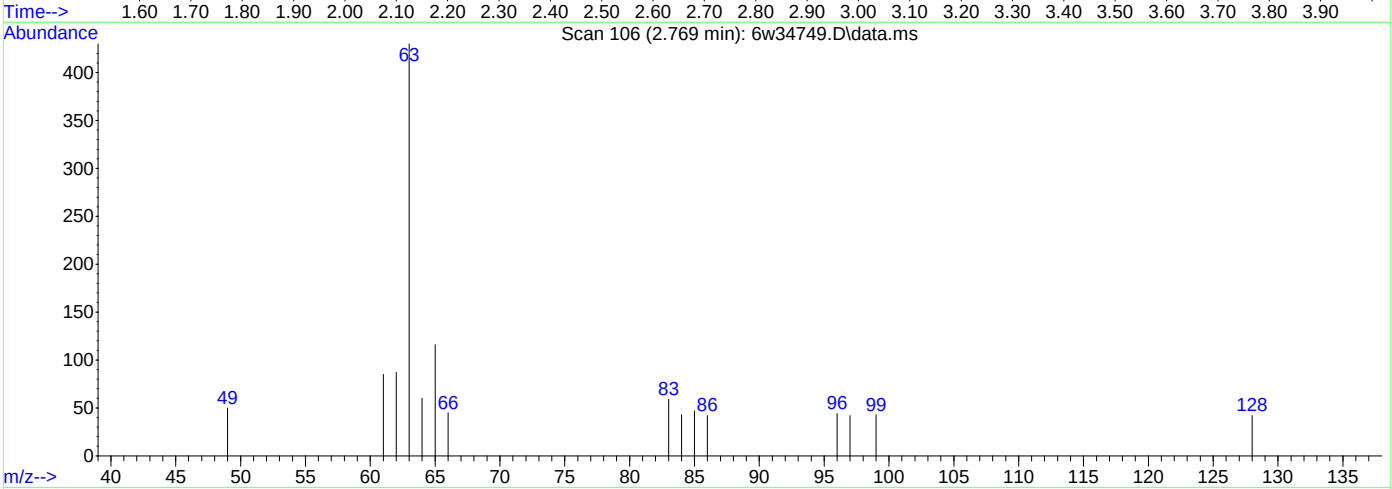
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Overlapping peak
Chloroform	67-66-3		3.33	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:19:09 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34749.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.15ppb(v)

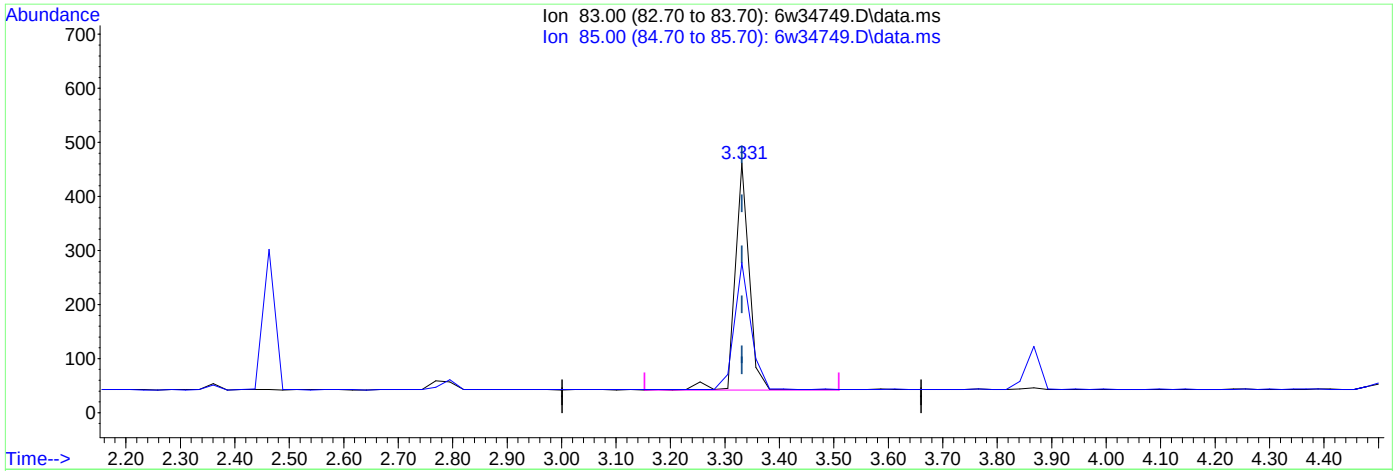
response 855

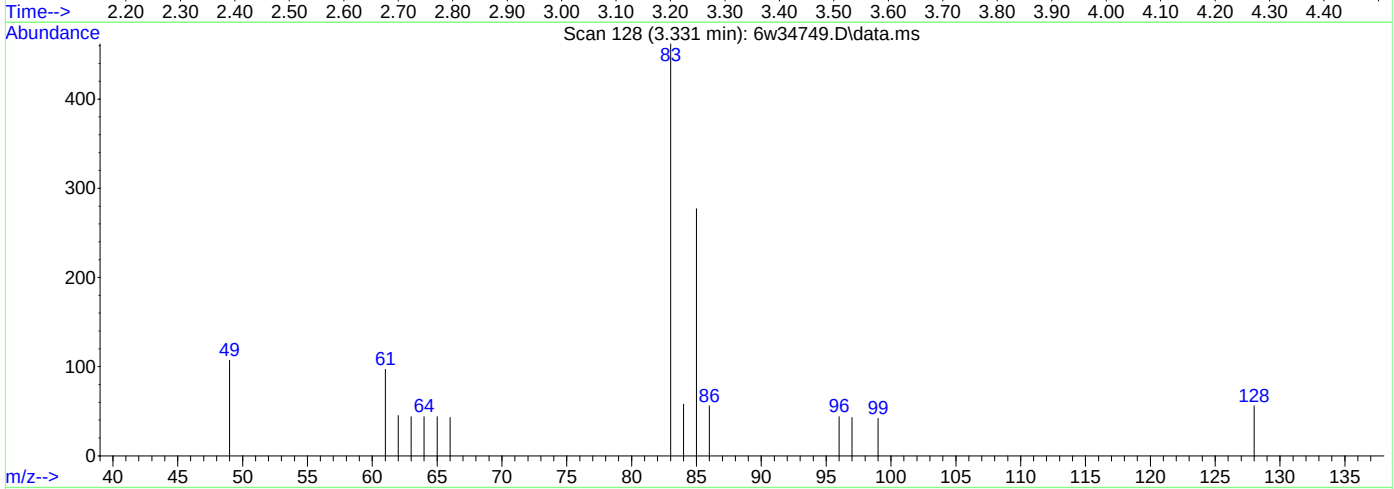
Ion	Exp%	Act%
63.00	100	100
65.00	27.00	26.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:19:09 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34749.D\data.ms

(9) Chloroform (T)

3.331min (+0.000) 0.11ppb(v)

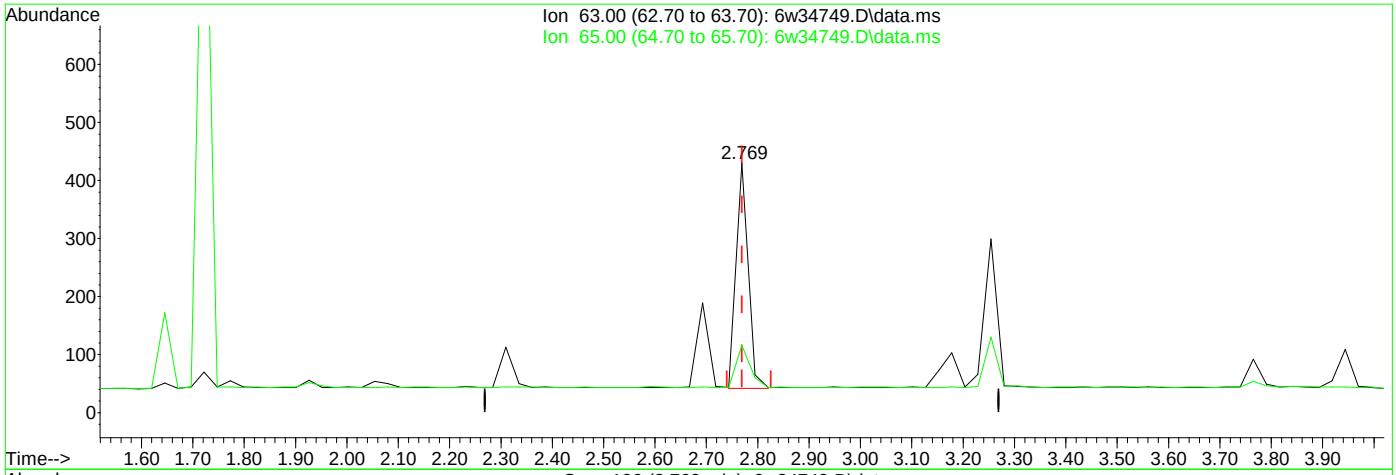
response 749

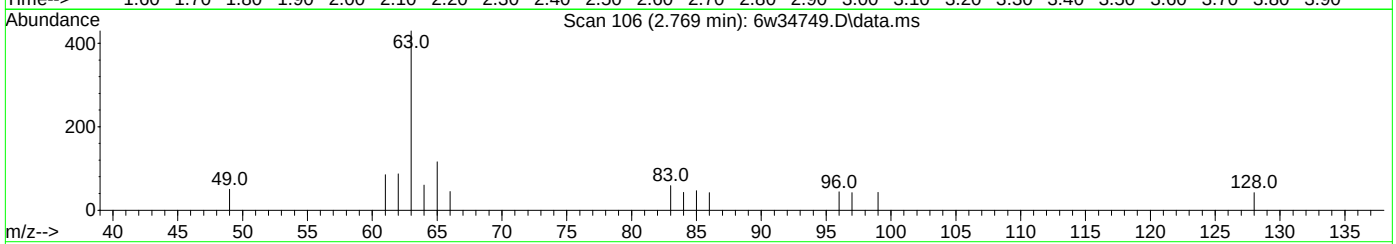
Ion	Exp%	Act%
83.00	100	100
85.00	60.00	59.96
0.00	0.00	0.00
0.00	0.00	0.00

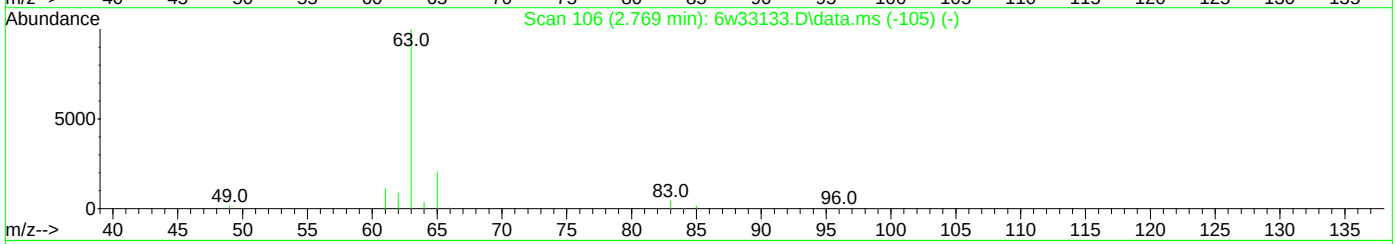
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:47:33 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34749.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.11ppb(v) m

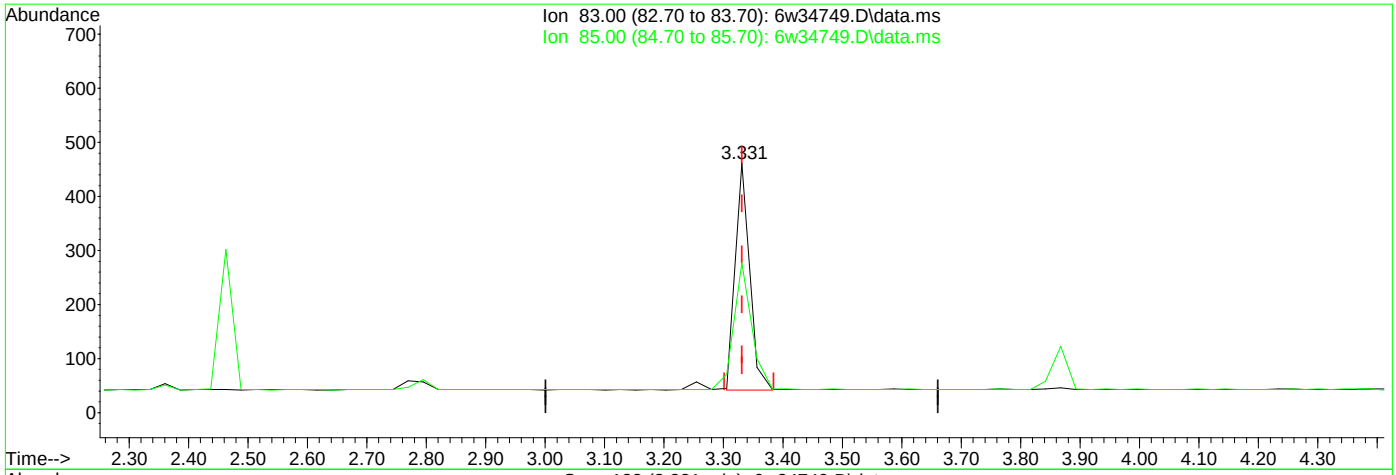
response 631

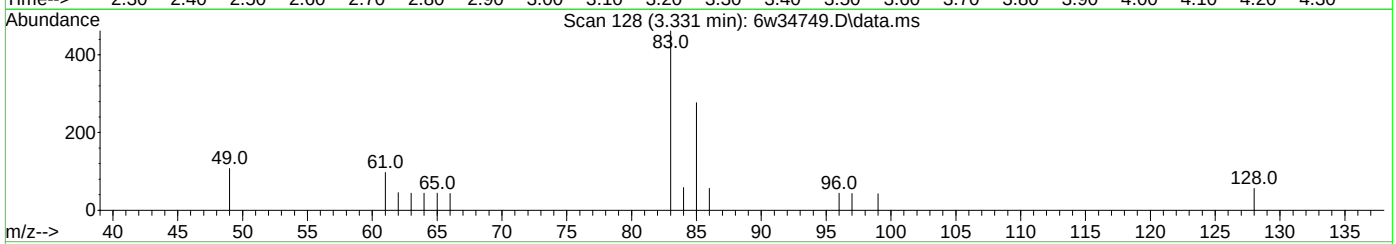
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	26.98
0.00	0.00	0.00
0.00	0.00	0.00

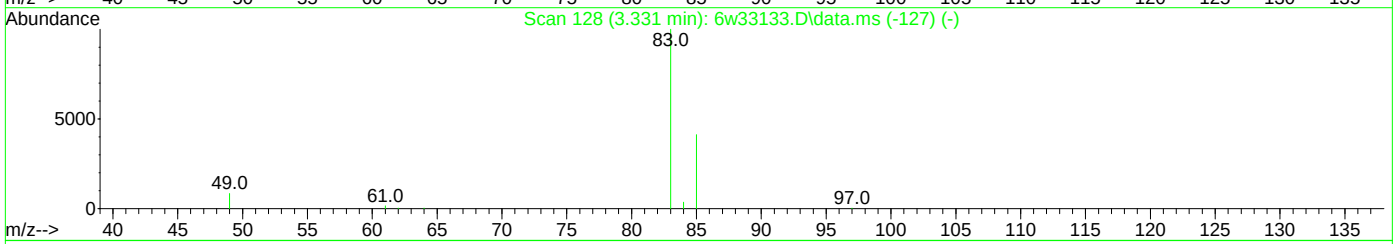
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34749.D
Acq On : 30 Jan 2025 6:32 pm
Operator : benk
Sample : bs Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:47:33 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34749.D\data.ms

(9) Chloroform (T)

3.331min (+0.000) 0.11ppb(v) m

response 709

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	59.96
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/27/25 01:34

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 03:11:05 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

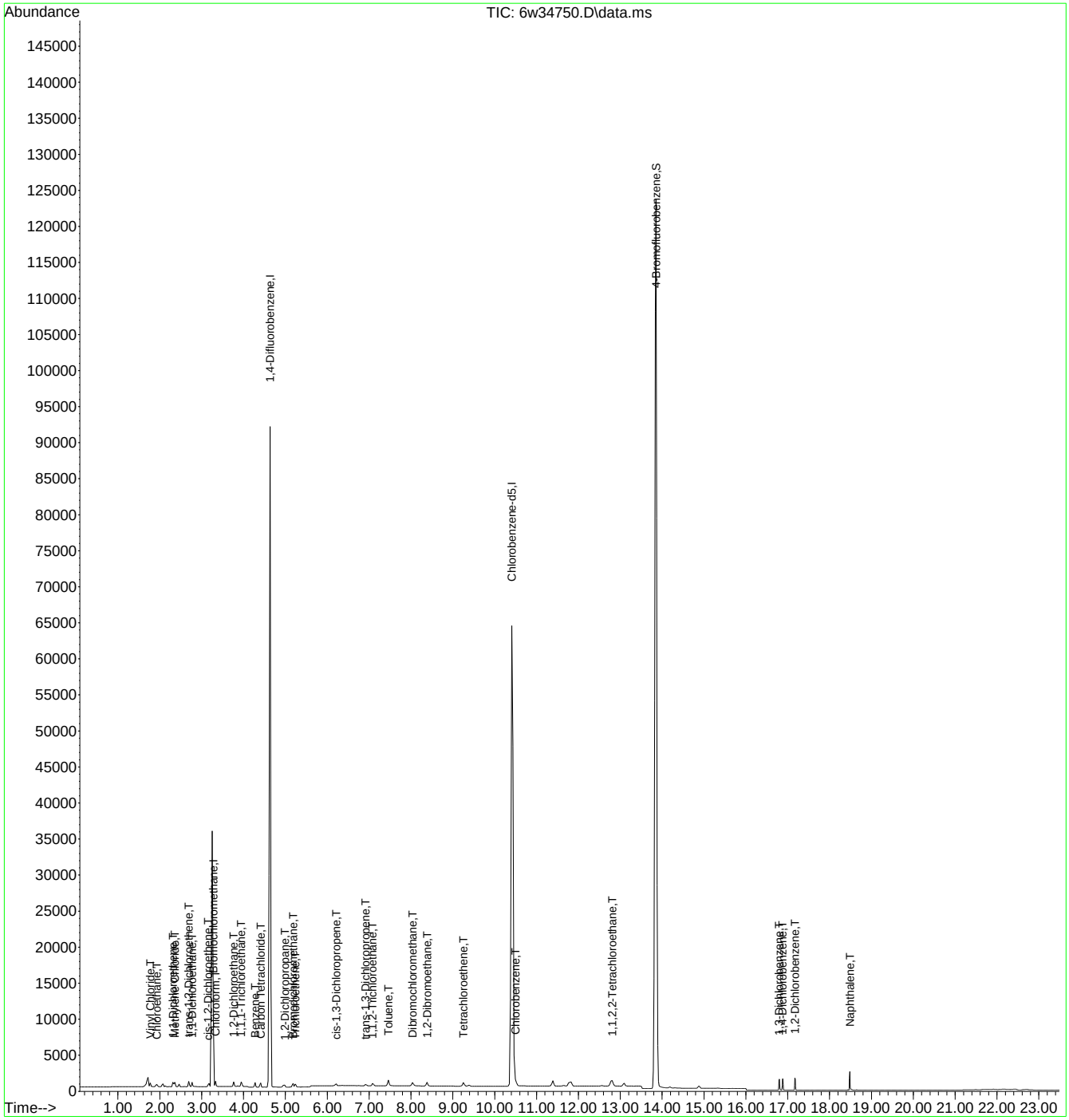
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	25869	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	143671	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	69653	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	103696	10.10	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.00%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	467	0.1301	ppb(v#	76
3) Vinyl Chloride	1.773	62	596	0.1232	ppb(v	99
4) Chloroethane	1.926	64	342	0.0967	ppb(v	93
5) 1,1-Dichloroethene	2.309	61	723	0.1258	ppb(v	94
6) trans-1,2-Dichloroethene	2.692	61	728	0.1071	ppb(v#	94
7) 1,1-Dichloroethane	2.769	63	636m	0.1153	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	437	0.1096	ppb(v#	22
9) Chloroform	3.331	83	709m	0.1117	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	576	0.1135	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	578	0.1146	ppb(v	100
12) Benzene	4.278	78	941	0.1085	ppb(v	100
13) Carbon Tetrachloride	4.411	117	627	0.1171	ppb(v	98
15) Toluene	7.458	92	652	0.0968	ppb(v	98
16) Trichloroethene	5.231	95	467	0.0974	ppb(v	92
17) 1,2-Dichloropropane	4.987	65	120	0.1045	ppb(v	94
18) Bromodichloromethane	5.187	83	684	0.1041	ppb(v	98
19) cis-1,3-Dichloropropene	6.215	75	428	0.1040	ppb(v	98
20) trans-1,3-Dichloropropene	6.909	75	364	0.0967	ppb(v	100
21) 1,1,2-Trichloroethane	7.082	83	340	0.1002	ppb(v	95
22) Dibromochloromethane	8.036	129	692	0.1050	ppb(v	96
23) Tetrachloroethene	9.250	166	784	0.1068	ppb(v	99
24) 1,2-Dibromoethane	8.383	107	711	0.1128	ppb(v	99
26) Chlorobenzene	10.493	112	1150	0.1016	ppb(v	98
27) 1,1,2,2-Tetrachloroethane	12.805	83	1027	0.1088	ppb(v	100
29) 1,3-Dichlorobenzene	16.792	146	1244	0.0969	ppb(v	100
30) 1,4-Dichlorobenzene	16.877	146	1263	0.1000	ppb(v	100
31) 1,2-Dichlorobenzene	17.173	146	1212	0.0977	ppb(v	99
32) Naphthalene	18.483	128	2481	0.1211	ppb(v	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 03:11:05 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

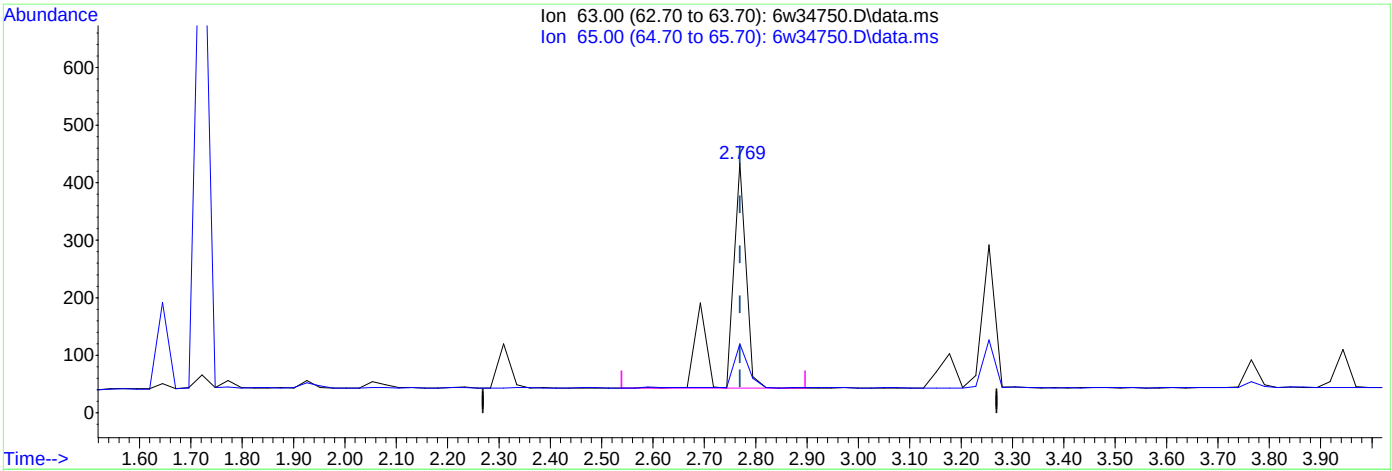
Sample Number: V6W1442-BSD
Lab FileID: 6W34750.D
Injection Time: 01/30/25 19:09
Method: TO-15 (BY SIM)
Analyst approved: 02/26/25 23:55 Lucky Carandang
Supervisor approved: 02/27/25 01:34 Kanya Veerawat

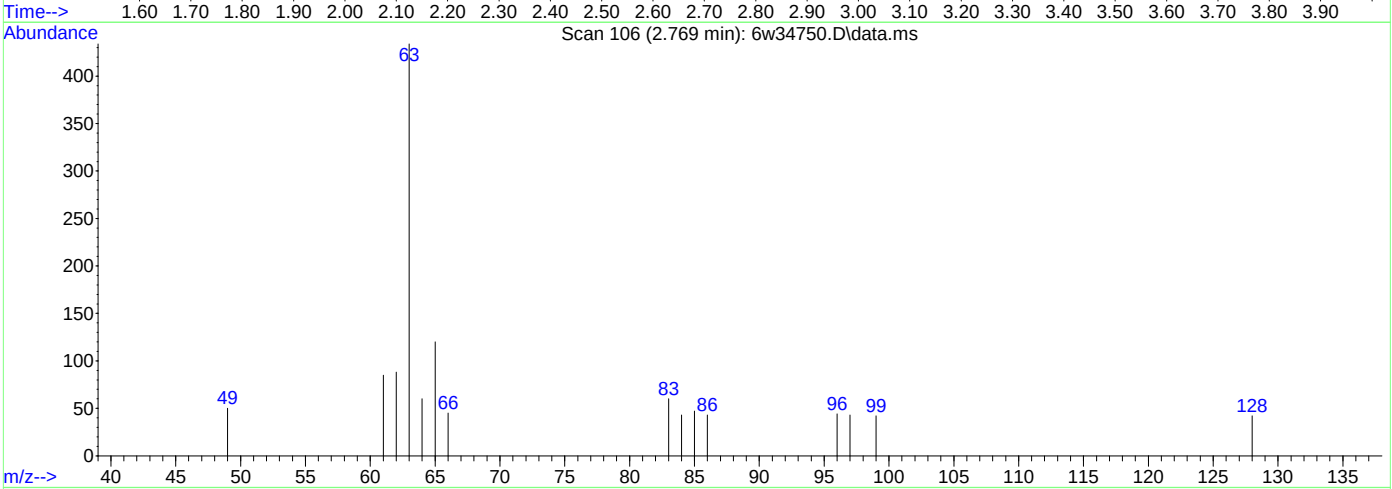
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Overlapping peak
Chloroform	67-66-3		3.33	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:24:59 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34750.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.15ppb(v)

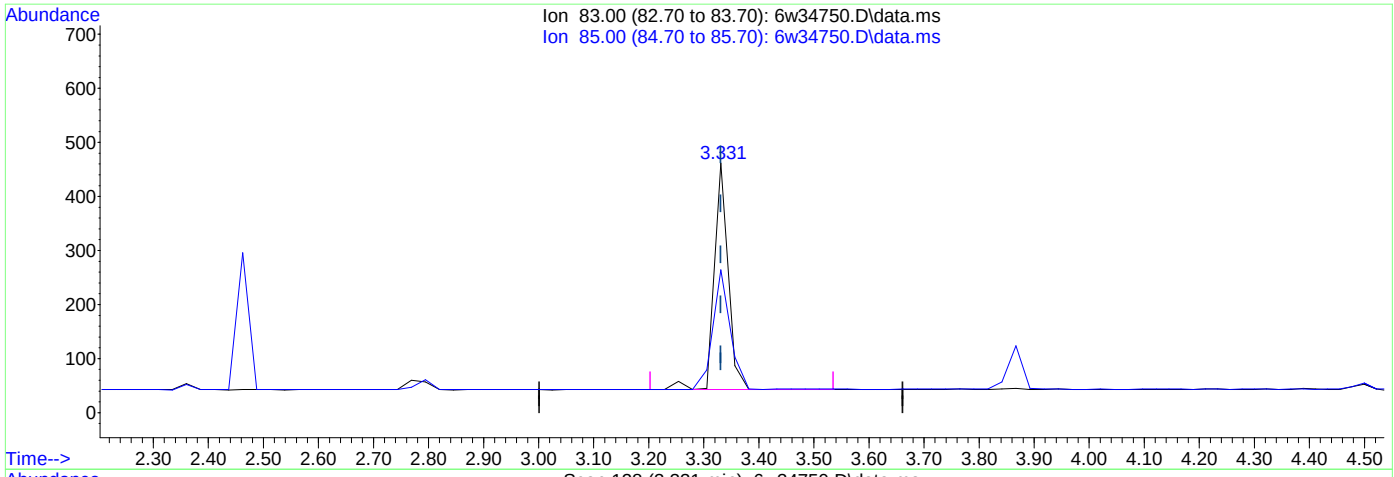
response 866

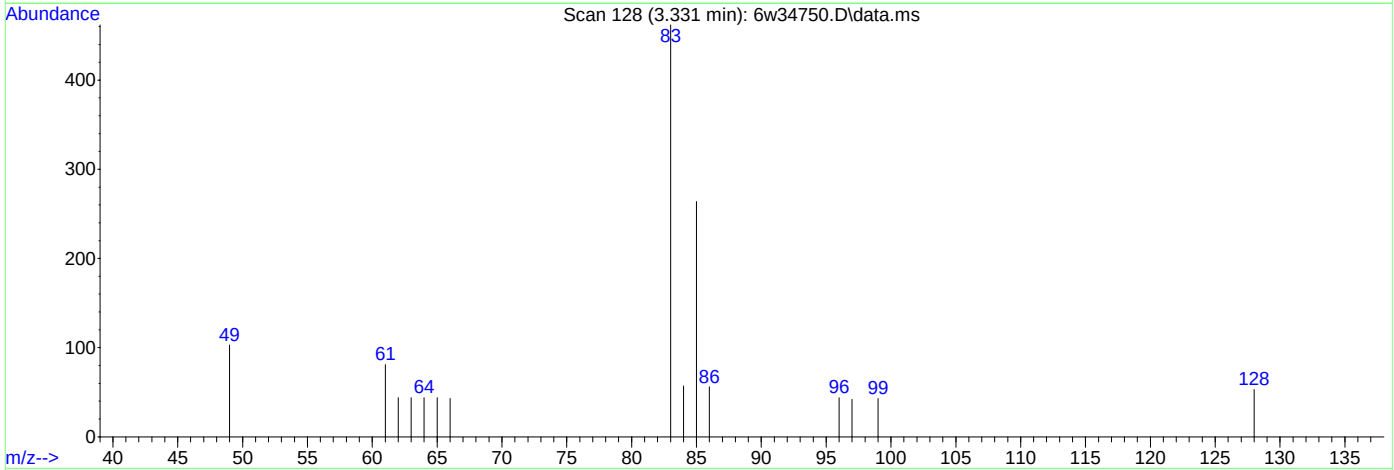
Ion	Exp%	Act%
63.00	100	100
65.00	27.00	27.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:24:59 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34750.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v)

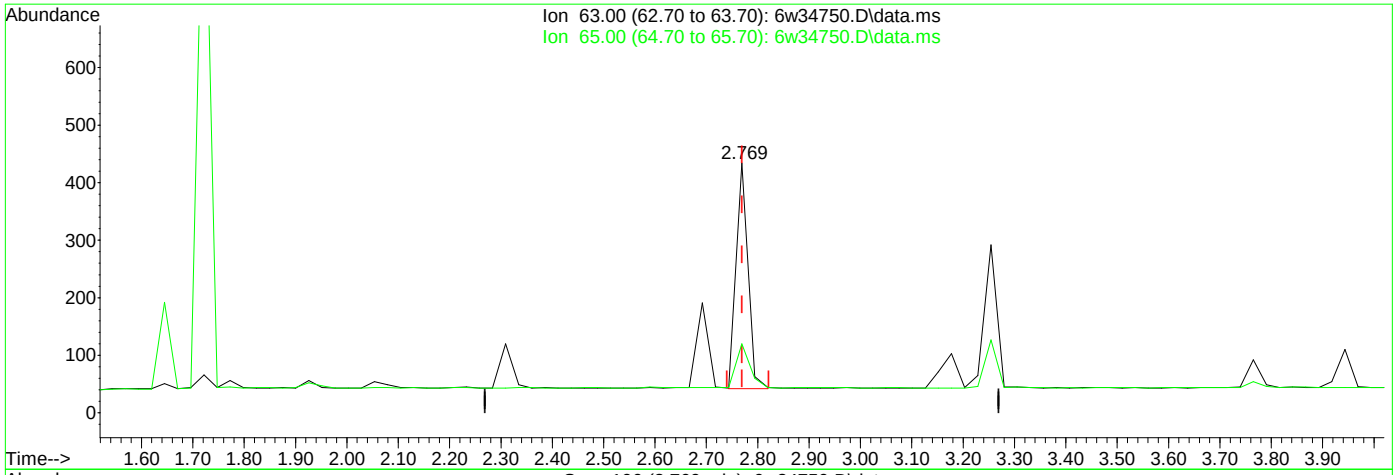
response 736

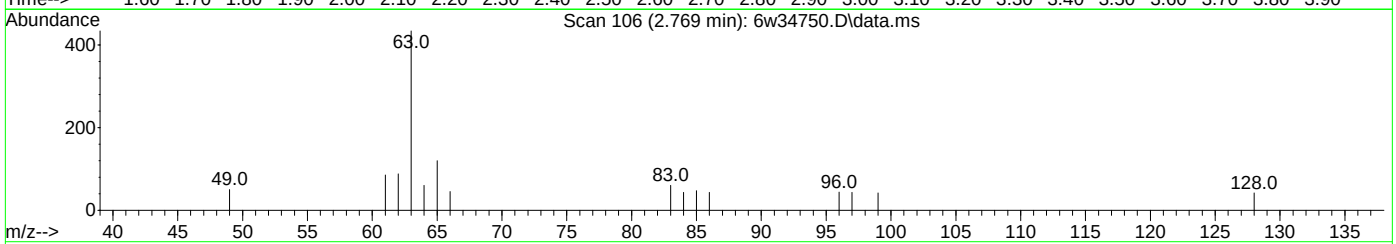
Ion	Exp%	Act%
83.00	100	100
85.00	60.00	57.14
0.00	0.00	0.00
0.00	0.00	0.00

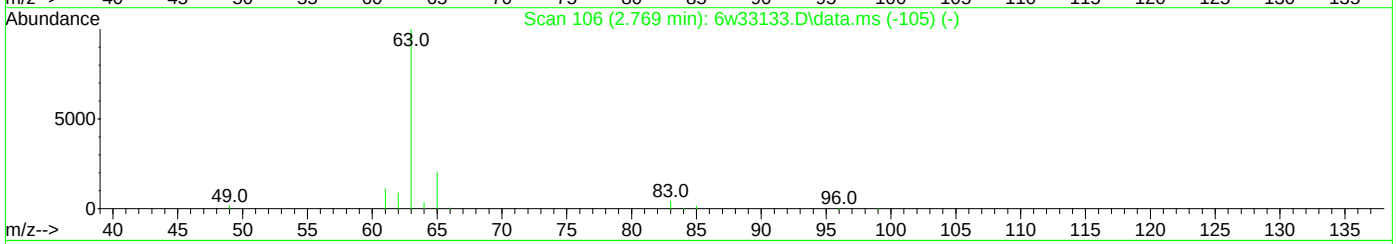
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:47:40 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34750.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.12ppb(v) m

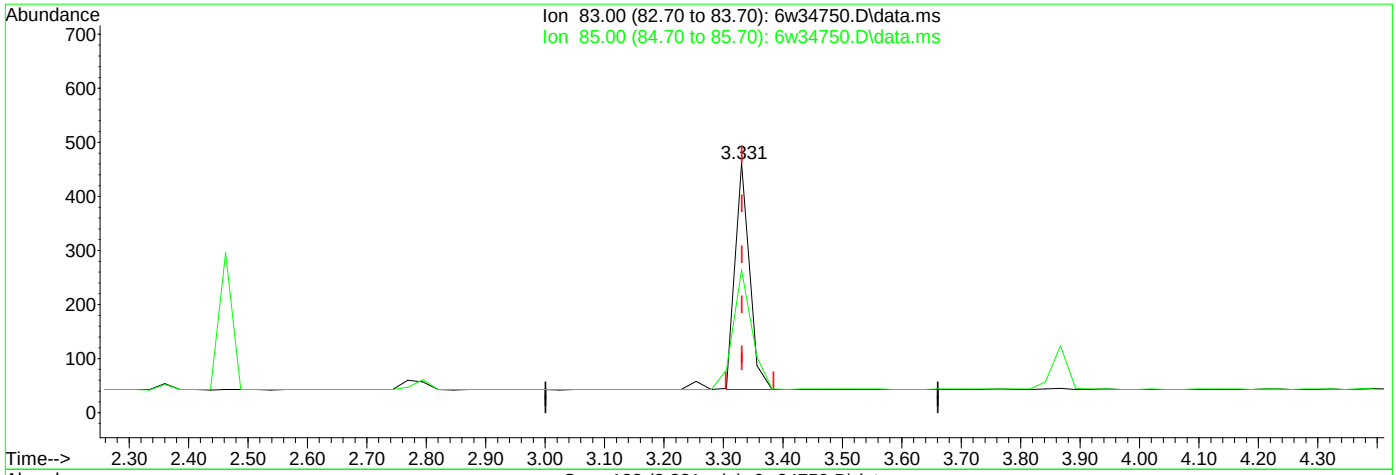
response 636

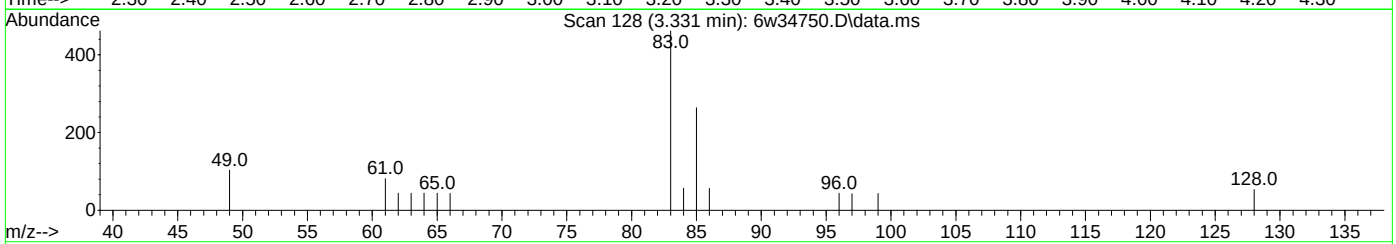
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	27.65
0.00	0.00	0.00
0.00	0.00	0.00

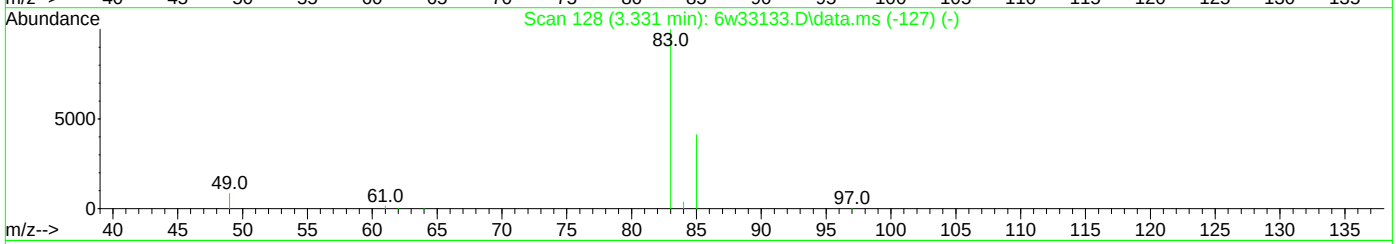
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34750.D
Acq On : 30 Jan 2025 7:09 pm
Operator : benk
Sample : bsd Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:47:40 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w34750.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v) m

response 709

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	57.14
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/28/25 15:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35015.D
Acq On : 25 Feb 2025 2:56 pm
Operator : thomash
Sample : bs
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 16:03:29 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

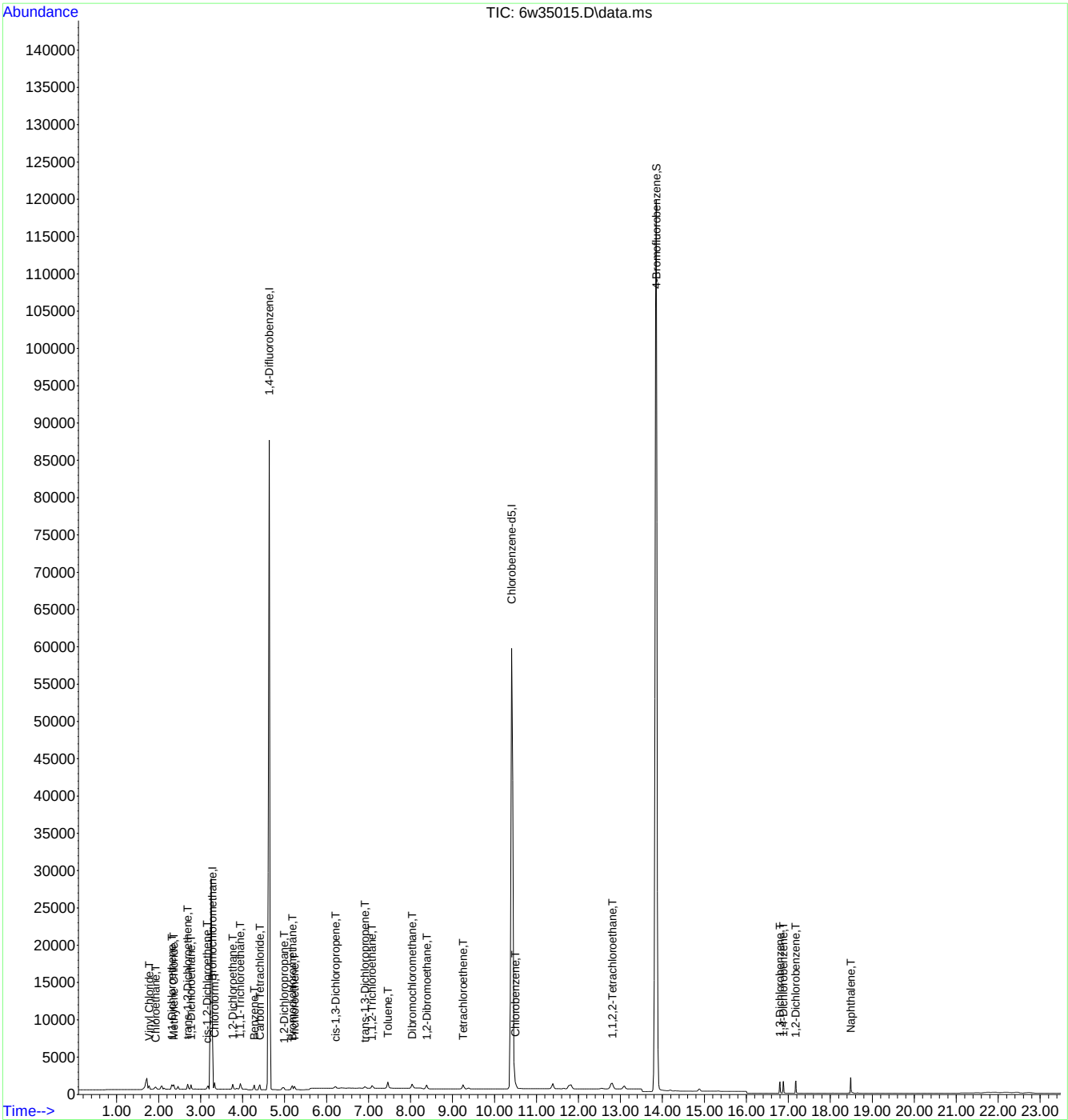
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	24967	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	137424	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	62090	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	92990	10.16	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.60%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	504	0.15	ppb(v#	67
3) Vinyl Chloride	1.773	62	576	0.12	ppb(v	94
4) Chloroethane	1.926	64	324	0.09	ppb(v	91
5) 1,1-Dichloroethene	2.309	61	714	0.13	ppb(v	97
6) trans-1,2-Dichloroethene	2.692	61	634m	0.10	ppb(v	
7) 1,1-Dichloroethane	2.769	63	824	0.15	ppb(v	96
8) cis-1,2-Dichloroethene	3.152	61	411	0.11	ppb(v#	24
9) Chloroform	3.331	83	863	0.14	ppb(v	97
10) 1,1,1-Trichloroethane	3.944	97	664	0.14	ppb(v	78
11) 1,2-Dichloroethane	3.765	62	602	0.12	ppb(v	98
12) Benzene	4.278	78	971	0.12	ppb(v	99
13) Carbon Tetrachloride	4.411	117	769	0.15	ppb(v	95
15) Toluene	7.458	92	708	0.11	ppb(v	96
16) Trichloroethene	5.231	95	500	0.11	ppb(v	93
17) 1,2-Dichloropropane	4.987	65	121	0.11	ppb(v	86
18) Bromodichloromethane	5.187	83	756	0.12	ppb(v	100
19) cis-1,3-Dichloropropene	6.215	75	420	0.11	ppb(v	96
20) trans-1,3-Dichloropropene	6.909	75	357	0.10	ppb(v	100
21) 1,1,2-Trichloroethane	7.082	83	373	0.11	ppb(v	94
22) Dibromochloromethane	8.036	129	789	0.13	ppb(v	98
23) Tetrachloroethene	9.250	166	860	0.12	ppb(v	90
24) 1,2-Dibromoethane	8.383	107	675	0.11	ppb(v	97
26) Chlorobenzene	10.493	112	1157	0.11	ppb(v	99
27) 1,1,2,2-Tetrachloroethane	12.805	83	1046	0.12	ppb(v	99
29) 1,3-Dichlorobenzene	16.799	146	1204	0.11	ppb(v	82
30) 1,4-Dichlorobenzene	16.884	146	1241	0.11	ppb(v	84
31) 1,2-Dichlorobenzene	17.173	146	1180	0.11	ppb(v	94
32) Naphthalene	18.483	128	2173	0.12	ppb(v	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35015.D
Acq On : 25 Feb 2025 2:56 pm
Operator : thomash
Sample : bs
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 16:03:29 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V6W1452-BS
Lab FileID: 6W35015.D
Injection Time: 02/25/25 14:56
Method: TO-15 (BY SIM)
Analyst approved: 02/26/25 14:05 Thomas Hilbig
Supervisor approved: 02/28/25 15:30 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,2-Dichloroethylene	156-60-5		2.69	Missed peak

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35016.D
Acq On : 25 Feb 2025 4:24 pm
Operator : thomash
Sample : bsd
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 17:10:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

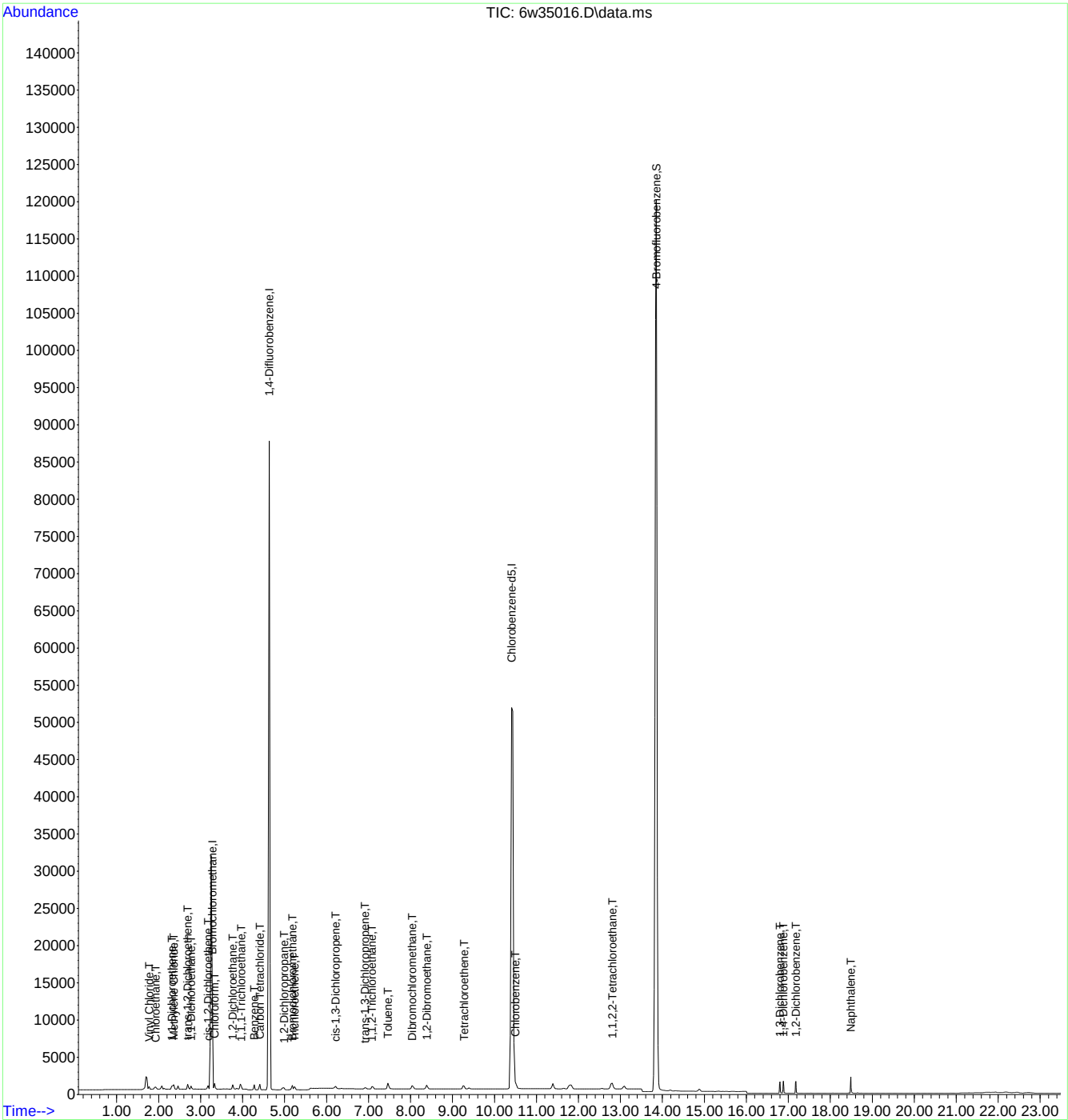
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	25922	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	135371	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	61858	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	92931	10.20	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.00%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	441	0.12	ppb(v	92
3) Vinyl Chloride	1.773	62	423	0.09	ppb(v	93
4) Chloroethane	1.926	64	310	0.09	ppb(v	95
5) 1,1-Dichloroethene	2.309	61	541	0.09	ppb(v	95
6) trans-1,2-Dichloroethene	2.692	61	685	0.10	ppb(v	98
7) 1,1-Dichloroethane	2.769	63	477	0.09	ppb(v	95
8) cis-1,2-Dichloroethene	3.177	61	386	0.10	ppb(v	93
9) Chloroform	3.331	83	760	0.12	ppb(v	97
10) 1,1,1-Trichloroethane	3.969	97	645	0.13	ppb(v	100
11) 1,2-Dichloroethane	3.765	62	565	0.11	ppb(v	99
12) Benzene	4.278	78	950	0.11	ppb(v	100
13) Carbon Tetrachloride	4.411	117	773	0.14	ppb(v	99
15) Toluene	7.458	92	709	0.11	ppb(v	97
16) Trichloroethene	5.231	95	488	0.11	ppb(v	99
17) 1,2-Dichloropropane	4.987	65	121	0.11	ppb(v	92
18) Bromodichloromethane	5.187	83	740	0.12	ppb(v	99
19) cis-1,3-Dichloropropene	6.215	75	440	0.11	ppb(v	100
20) trans-1,3-Dichloropropene	6.909	75	356	0.10	ppb(v	98
21) 1,1,2-Trichloroethane	7.082	83	390	0.12	ppb(v	95
22) Dibromochloromethane	8.036	129	758	0.12	ppb(v	100
23) Tetrachloroethene	9.279	166	860	0.12	ppb(v	84
24) 1,2-Dibromoethane	8.383	107	720	0.12	ppb(v	98
26) Chlorobenzene	10.493	112	1141	0.11	ppb(v	95
27) 1,1,2,2-Tetrachloroethane	12.805	83	1034	0.12	ppb(v	98
29) 1,3-Dichlorobenzene	16.799	146	1207	0.11	ppb(v	85
30) 1,4-Dichlorobenzene	16.884	146	1223	0.11	ppb(v	87
31) 1,2-Dichlorobenzene	17.180	146	1185	0.11	ppb(v	88
32) Naphthalene	18.490	128	2065	0.11	ppb(v	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35016.D
Acq On : 25 Feb 2025 4:24 pm
Operator : thomash
Sample : bsd
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 17:10:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14401.D
Acq On : 13 Apr 2025 7:24 pm
Operator : benk
Sample : je8503-1dup Inst : MS7W
Misc : MS91197,v7w501,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 05:48:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

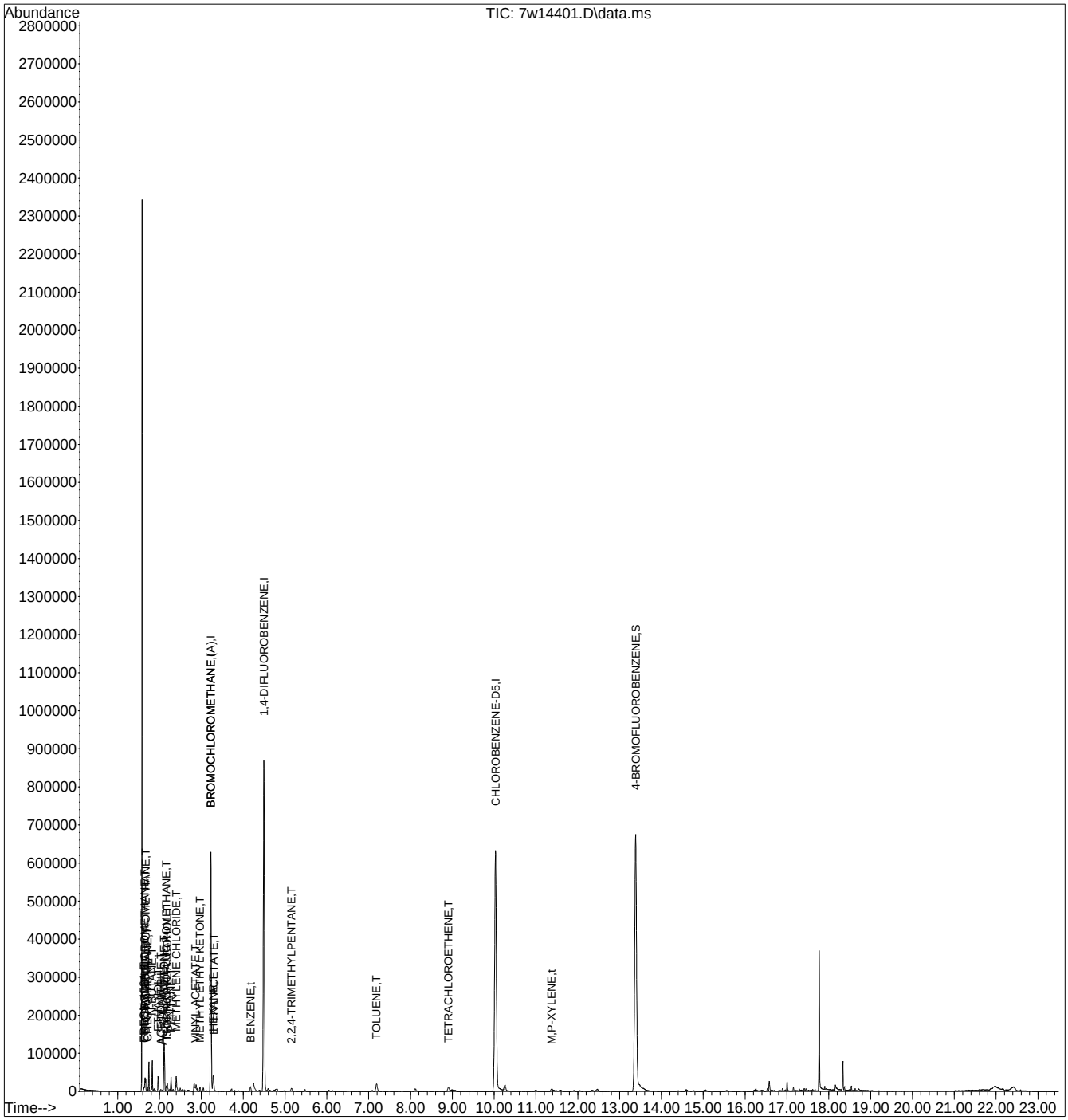
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	127409	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	660416	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	611670	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	127409	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	490718	11.06	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	1875	0.3090	PPBV		91
4) CHLORODIFLUOROMETHANE	1.640	67	872	0.2831	PPBV	#	40
6) DICHLORODIFLUOROMETHANE	1.669	85	12919	0.4067	PPBV	#	89
7) PROPYLENE	1.653	41	4828	0.5774	PPBV		81
10) CHLOROMETHANE	1.711	52	1685	0.5109	PPBV		92
13) N-BUTANE	1.827	43	30185	1.8267	PPBV	#	91
17) ACETONITRILE	2.033	41	1800	0.1758	PPBV	#	88
18) ACROLEIN	2.068	56	1237	0.2300	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.161	101	6538	0.2337	PPBV		99
22) ISOPROPYL ALCOHOL	2.184	45	13392	0.5674	PPBV	#	94
23) ACETONE	2.107	58	30996	4.1872	PPBV		63
24) PENTANE	2.277	42	7629	0.6729	PPBV		93
28) ETHANOL	1.965	45	22251	3.4437	PPBV		99
31) METHYLENE CHLORIDE	2.399	84	11135	1.1042	PPBV	#	71
38) HEXANE	3.280	57	12932	0.6163	PPBV	#	69
39) VINYL ACETATE	2.852	86	1586	0.5095	PPBV	#	1
41) METHYL ETHYL KETONE	2.968	72	2716	0.4798	PPBV		54
44) ETHYL ACETATE	3.293	61	2907	0.7231	PPBV	#	1
51) BENZENE	4.177	78	9582	0.2816	PPBV		90
60) 2,2,4-TRIMETHYLPENTANE	5.151	57	7819	0.1231	PPBV		95
66) TOLUENE	7.187	91	20606	0.4416	PPBV		100
72) TETRACHLOROETHENE	8.904	164	4051	0.2291	PPBV		96
80) M,P-XYLENE	11.367	91	9366	0.1983	PPBV		88

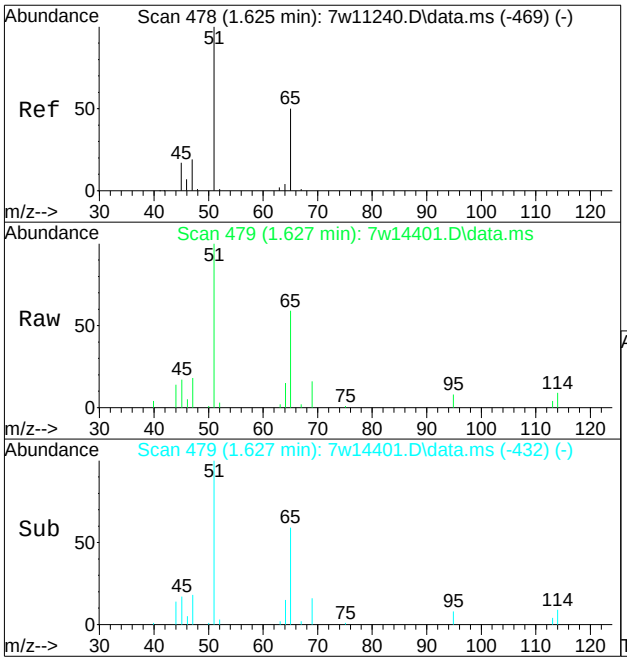
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14401.D
Acq On : 13 Apr 2025 7:24 pm
Operator : benk
Sample : je8503-1dup Inst : MS7W
Misc : MS91197,v7w501,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 05:48:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

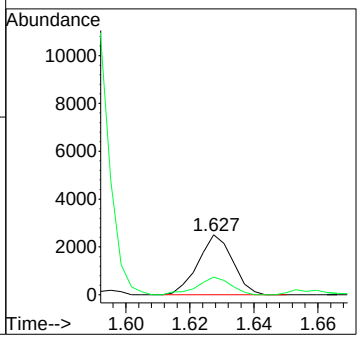


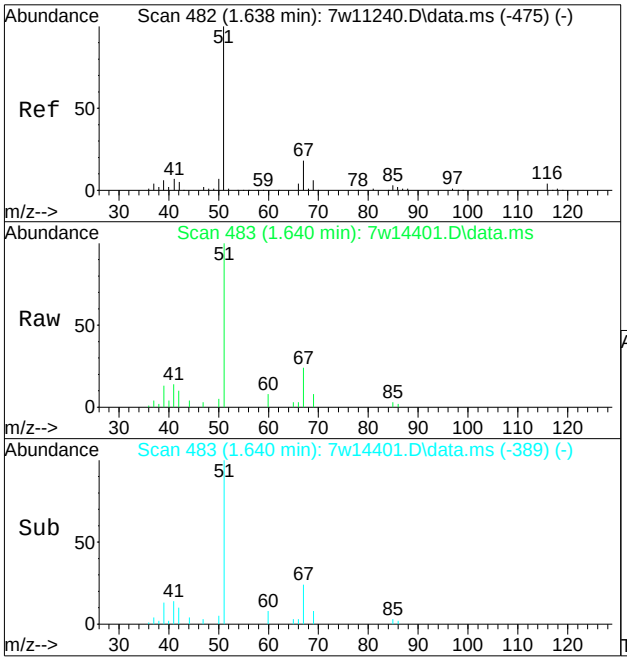


#3
FREON 152A
Concen: 0.3090 PPBV
RT: 1.627 min Scan# 479
Delta R.T. 0.002 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 65 Resp: 1875

Ion	Ratio	Lower	Upper
65	100		
45	28.6	23.5	43.7

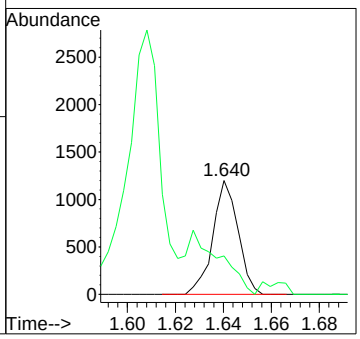


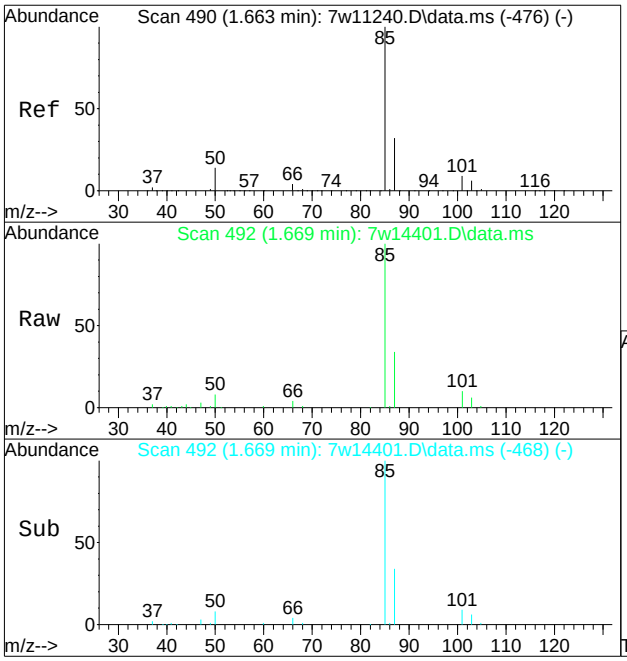


#4
CHLORODIFLUOROMETHANE
Concen: 0.2831 PPBV
RT: 1.640 min Scan# 483
Delta R.T. 0.002 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 67 Resp: 872

Ion	Ratio	Lower	Upper
67	100		
69	0.0	24.4	45.4#

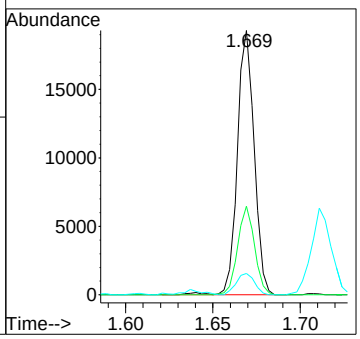


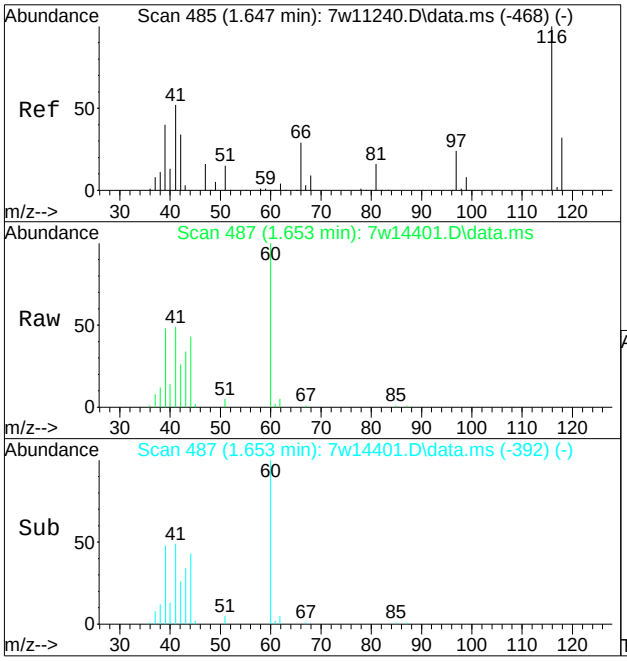


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4067 PPBV
RT: 1.669 min Scan# 492
Delta R.T. 0.006 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 85 Resp: 12919

Ion	Ratio	Lower	Upper
85	100		
87	33.7	22.5	41.7
50	8.8	13.8	25.6#

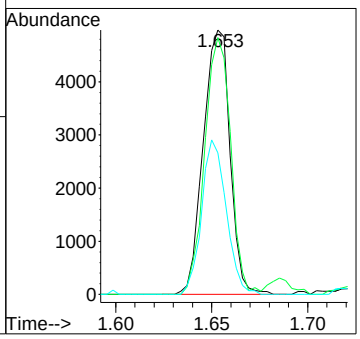


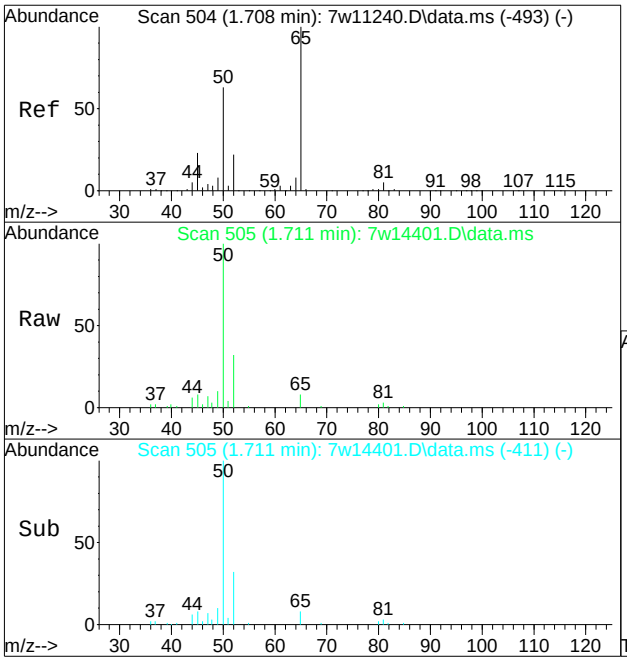


#7
PROPYLENE
Concen: 0.5774 PPBV
RT: 1.653 min Scan# 487
Delta R.T. 0.006 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 41 Resp: 4828

Ion	Ratio	Lower	Upper
41	100		
39	94.2	52.9	98.3
42	53.8	46.6	86.6

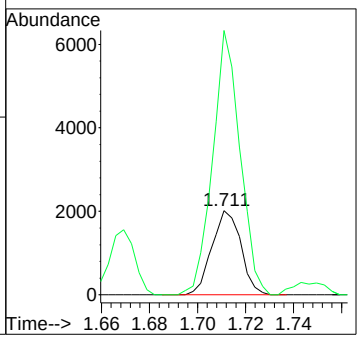


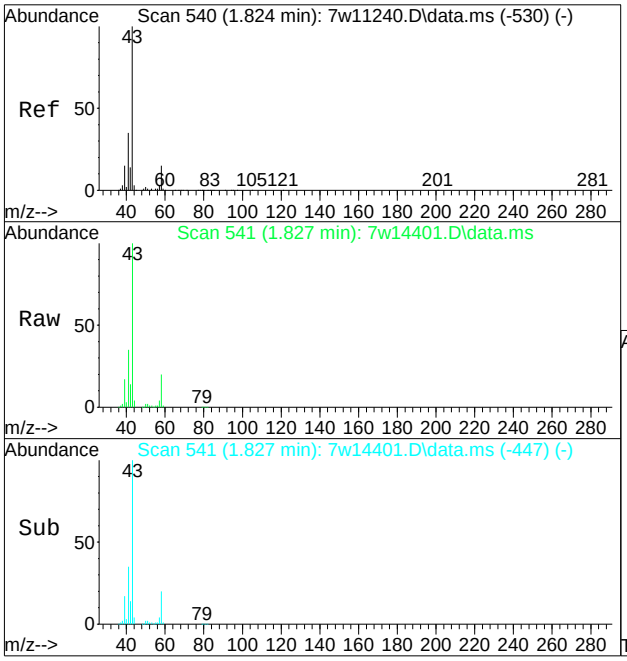


#10
CHLOROMETHANE
Concen: 0.5109 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 52 Resp: 1685

Ion	Ratio	Lower	Upper
52	100		
50	297.8	220.1	408.8

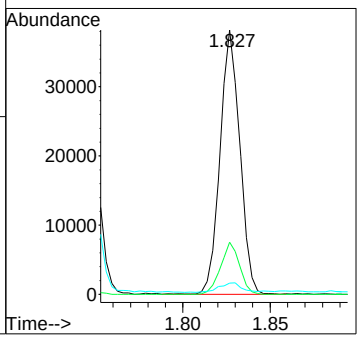


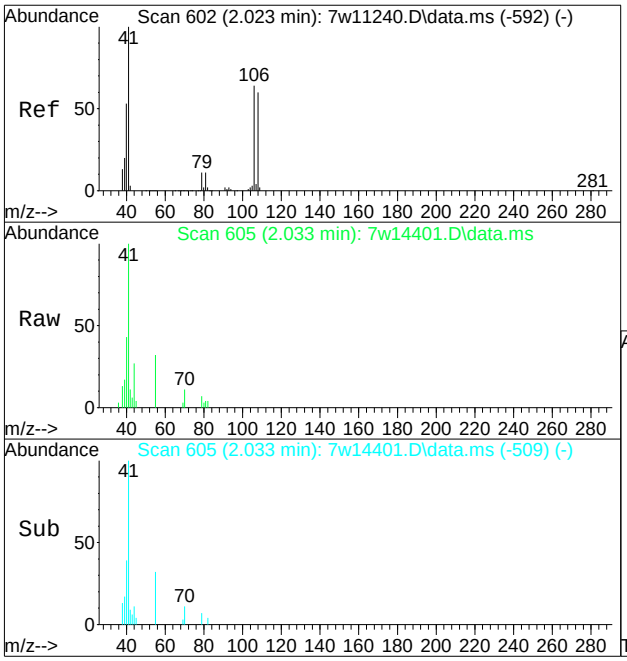


#13
N-BUTANE
Concen: 1.8267 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 43 Resp: 30185

Ion	Ratio	Lower	Upper
43	100		
58	18.8	10.4	19.2
44	6.0	3.0	5.6#

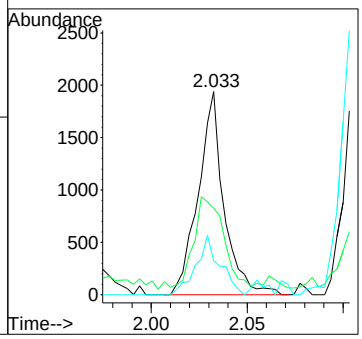


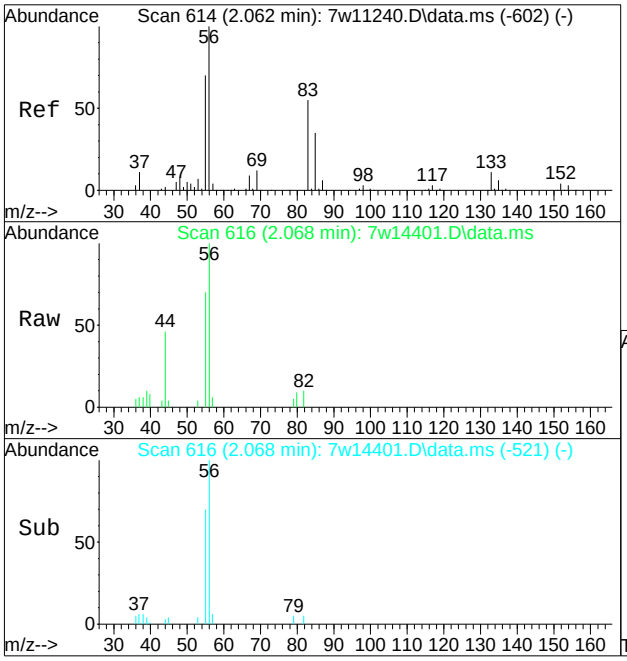


#17
ACETONITRILE
Concen: 0.1758 PPBV
RT: 2.033 min Scan# 605
Delta R.T. 0.010 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 41 Resp: 1800

Ion	Ratio	Lower	Upper
41	100		
40	48.4	37.9	70.5
39	31.0	13.8	25.6#

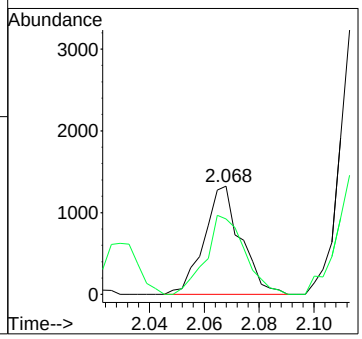


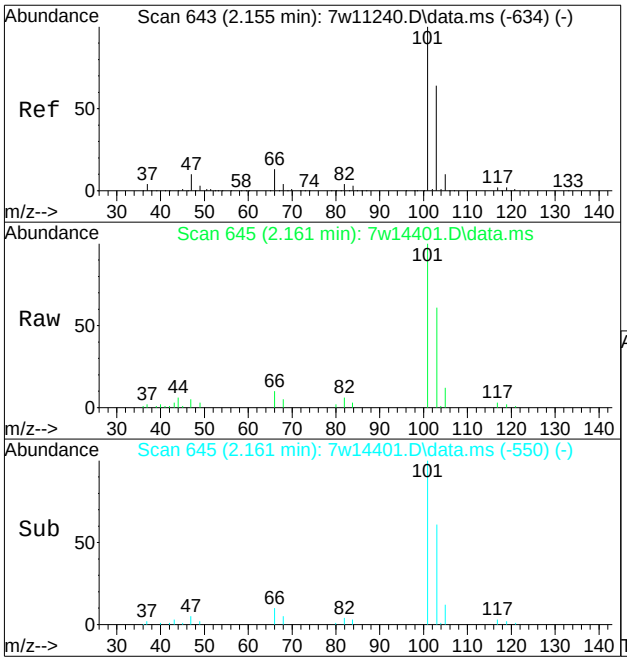


#18
ACROLEIN
Concen: 0.2300 PPBV
RT: 2.068 min Scan# 616
Delta R.T. 0.006 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 56 Resp: 1237

Ion	Ratio	Lower	Upper
56	100		
55	77.0	50.3	93.3

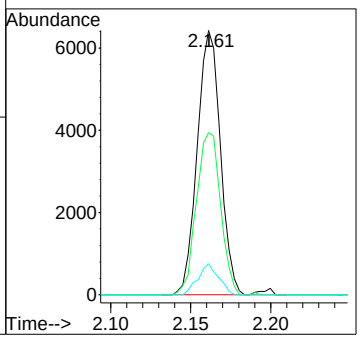


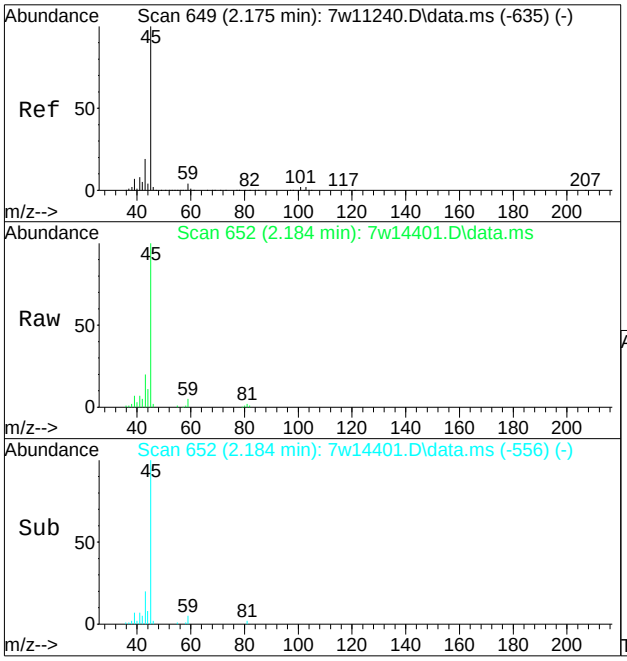


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2337 PPBV
RT: 2.161 min Scan# 645
Delta R.T. 0.006 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion:101 Resp: 6538

Ion	Ratio	Lower	Upper
101	100		
103	63.3	44.9	83.5
105	10.4	7.3	13.5

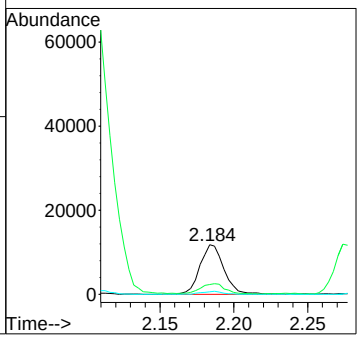


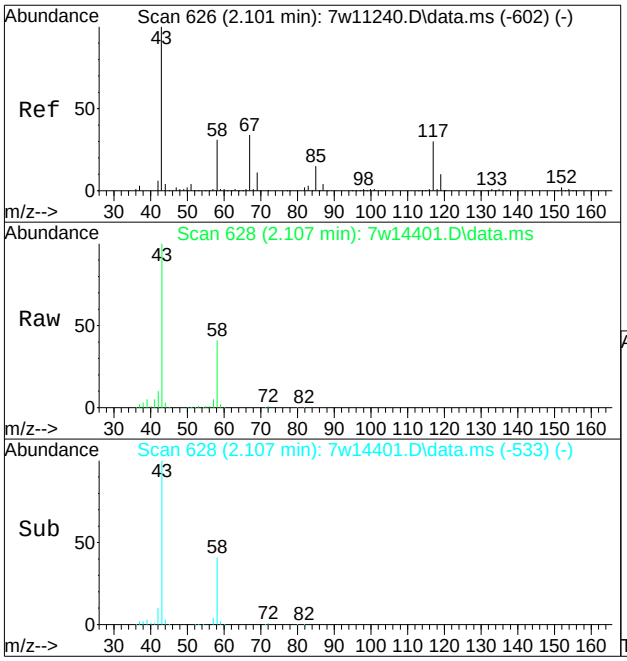


#22
ISOPROPYL ALCOHOL
Concen: 0.5674 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 45 Resp: 13392

Ion	Ratio	Lower	Upper
45	100		
43	22.8	13.9	25.9
59	5.3	2.8	5.2#

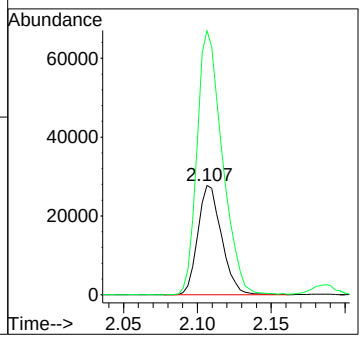


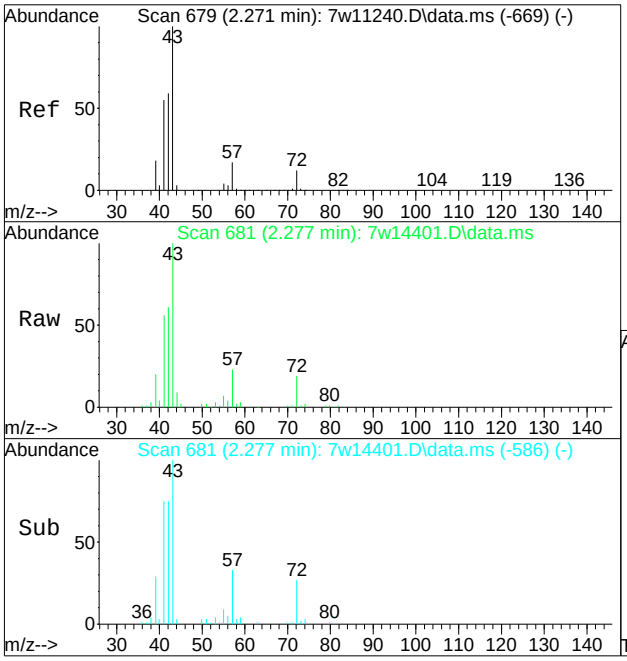


#23
ACETONE
Concen: 4.1872 PPBV
RT: 2.107 min Scan# 628
Delta R.T. 0.006 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 58 Resp: 30996

Ion	Ratio	Lower	Upper
58	100		
43	257.3	234.4	435.2

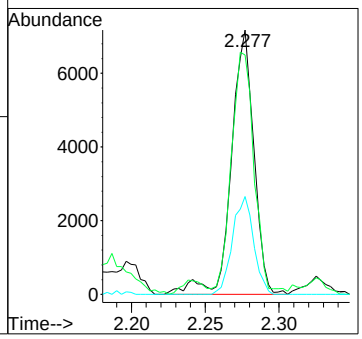


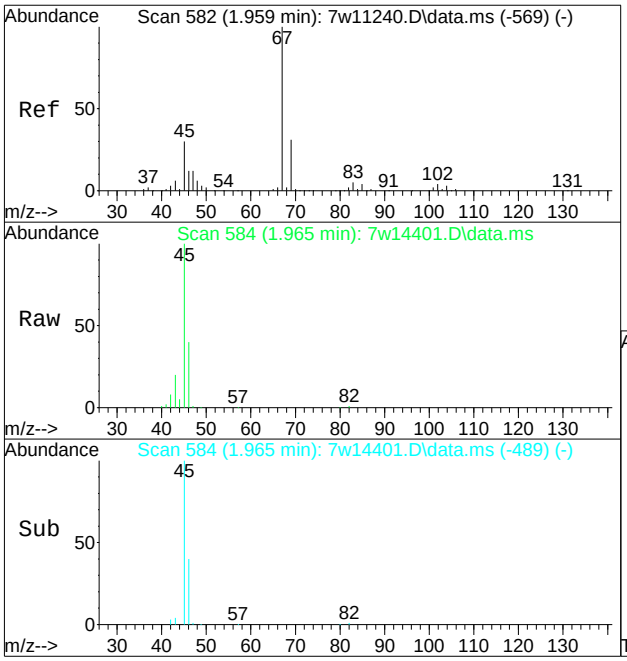


#24
PENTANE
Concen: 0.6729 PPBV
RT: 2.277 min Scan# 681
Delta R.T. 0.006 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 42 Resp: 7629

Ion	Ratio	Lower	Upper
42	100		
41	97.4	64.8	120.3
57	34.5	19.7	36.7

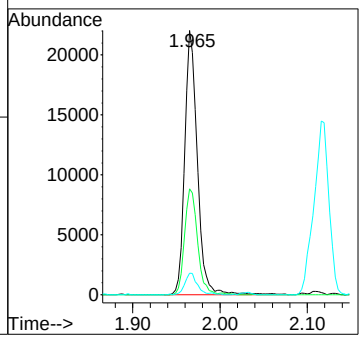


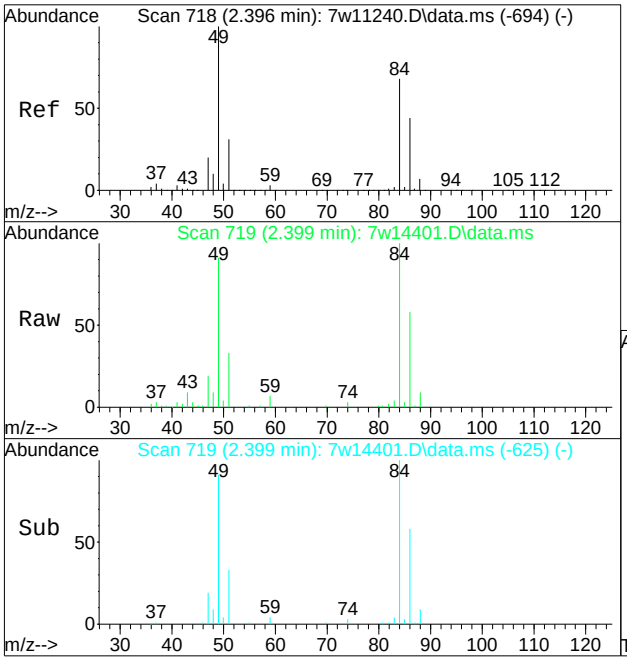


#28
ETHANOL
Concen: 3.4437 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 45 Resp: 22251

Ion	Ratio	Lower	Upper
45	100		
46	41.3	28.6	53.0
42	8.3	6.3	11.7

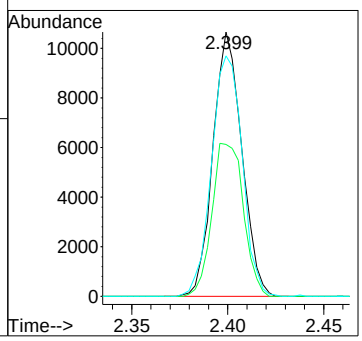


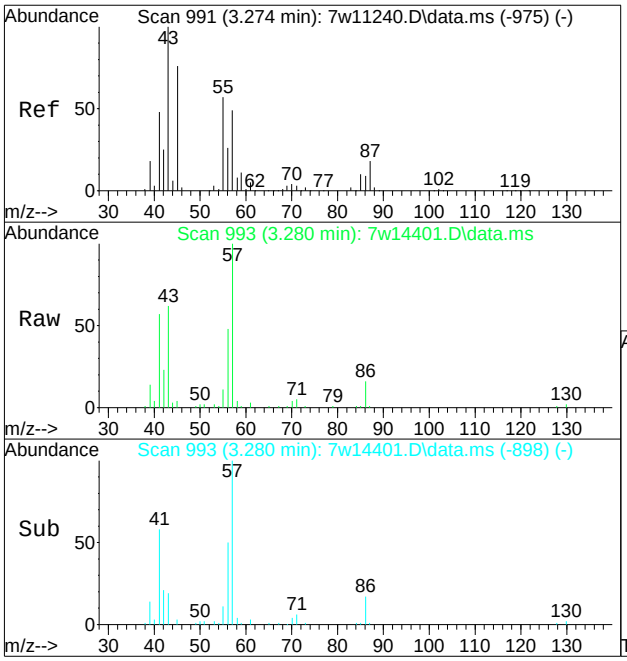


#31
METHYLENE CHLORIDE
Concen: 1.1042 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 84 Resp: 11135

Ion	Ratio	Lower	Upper
84	100		
86	63.1	46.0	85.4
49	97.1	103.9	192.9#

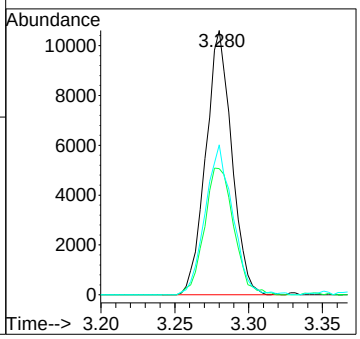


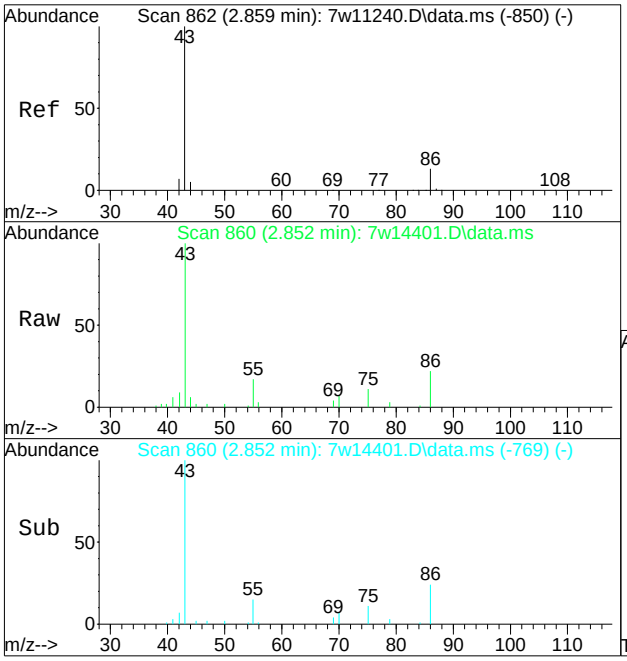


#38
HEXANE
Concen: 0.6163 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 57 Resp: 12932

Ion	Ratio	Lower	Upper
57	100		
56	54.3	37.8	70.2
41	60.2	75.9	140.9#

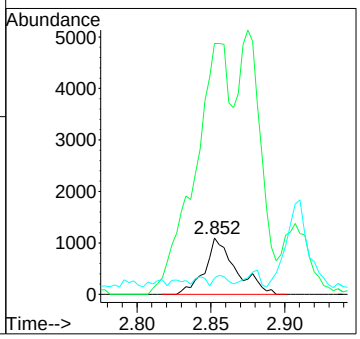


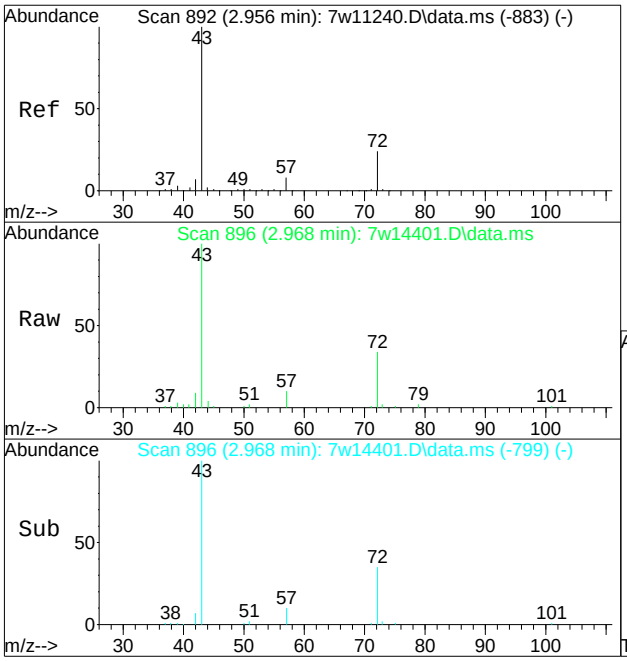


#39
VINYL ACETATE
Concen: 0.5095 PPBV
RT: 2.852 min Scan# 860
Delta R.T. -0.007 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 86 Resp: 1586

Ion	Ratio	Lower	Upper
86	100		
43	0.0	719.4	1336.0#
44	9.0	34.6	64.2#

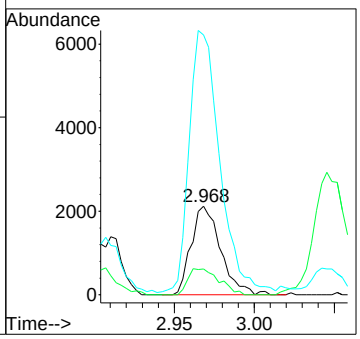


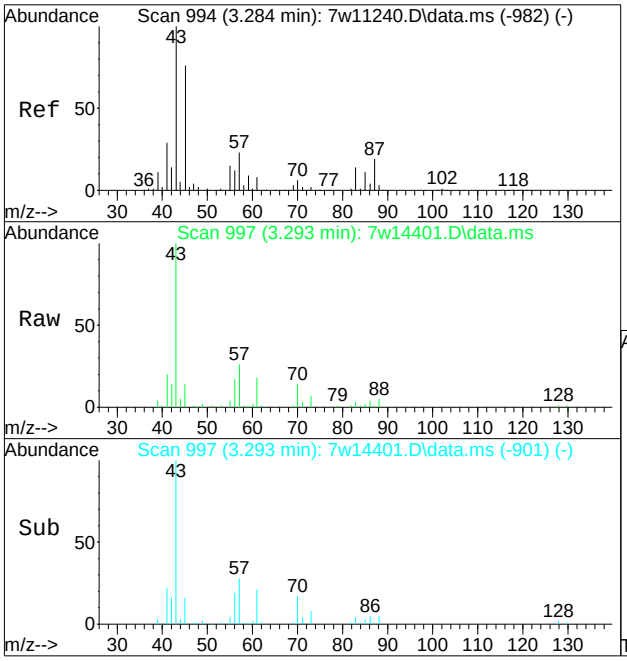


#41
METHYL ETHYL KETONE
Concen: 0.4798 PPBV
RT: 2.968 min Scan# 896
Delta R.T. 0.012 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 72 Resp: 2716

Ion	Ratio	Lower	Upper
72	100		
57	30.9	25.3	46.9
43	306.8	299.6	556.4

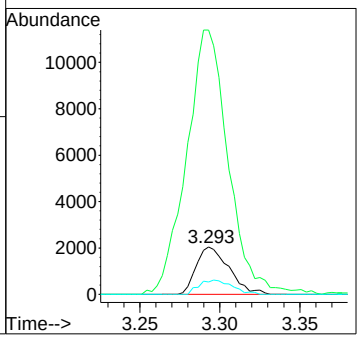


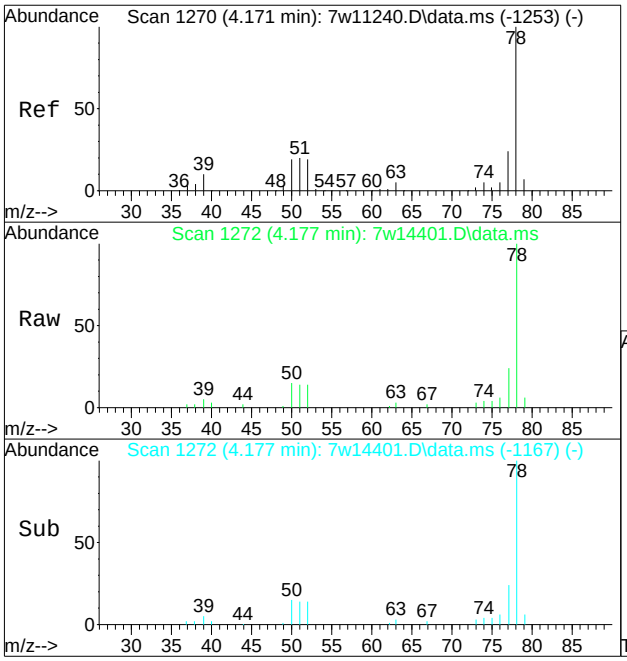


#44
ETHYL ACETATE
Concen: 0.7231 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.009 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 61 Resp: 2907

Ion	Ratio	Lower	Upper
61	100		
43	716.9	1005.1	1866.5#
88	30.7	29.3	54.5

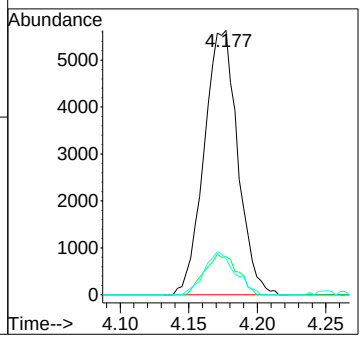


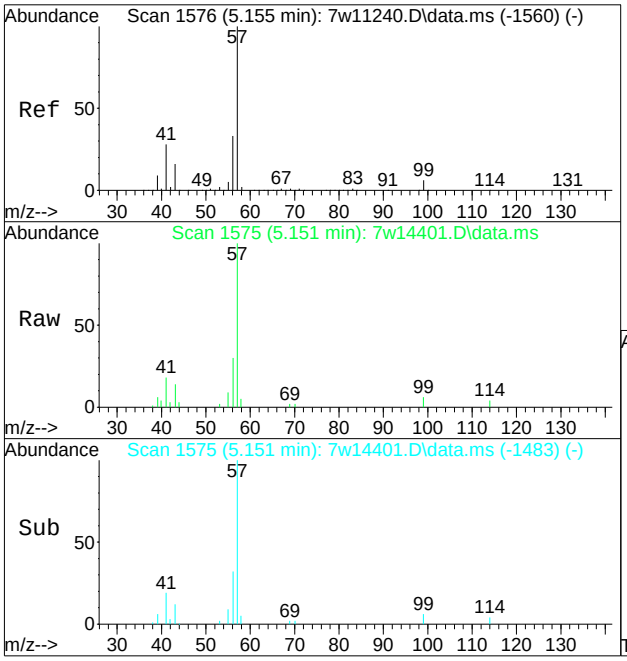


#51
BENZENE
Concen: 0.2816 PPBV
RT: 4.177 min Scan# 1272
Delta R.T. 0.006 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 78 Resp: 9582

Ion	Ratio	Lower	Upper
78	100		
52	15.0	0.0	48.9
51	15.0	0.0	50.2

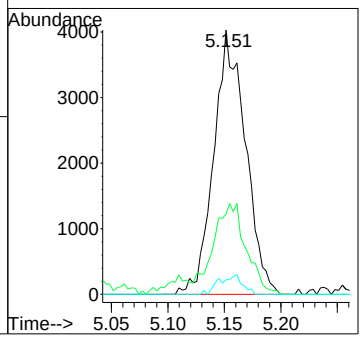


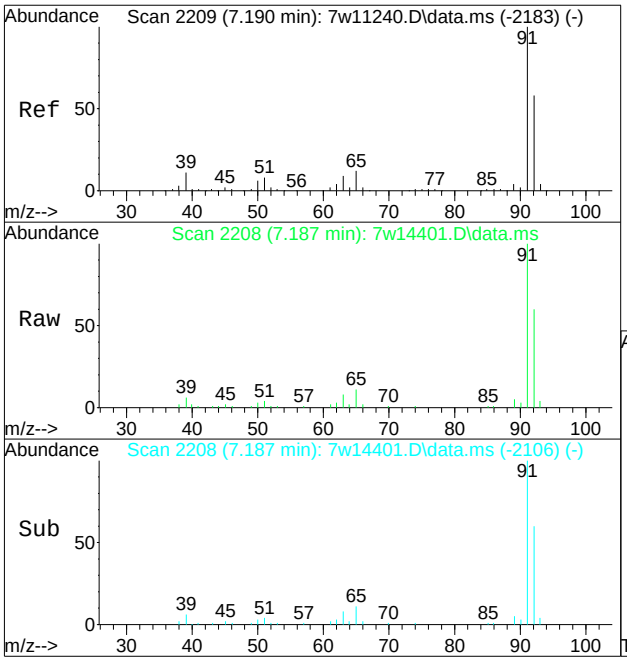


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1231 PPBV
RT: 5.151 min Scan# 1575
Delta R.T. -0.004 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 57 Resp: 7819

Ion	Ratio	Lower	Upper
57	100		
56	35.8	22.7	42.1
99	5.4	3.9	7.3

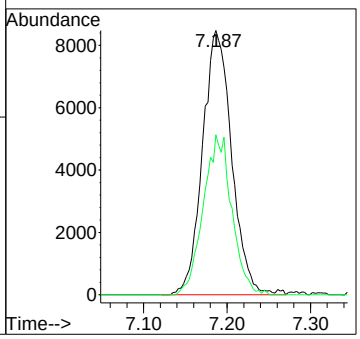


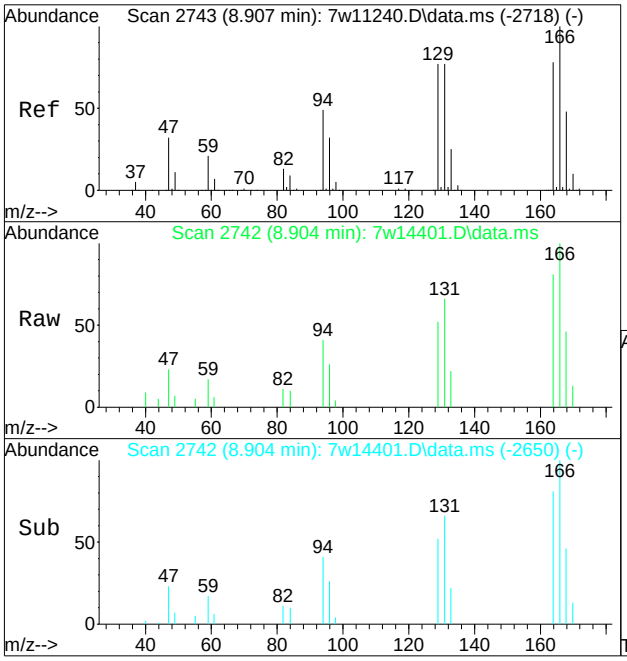


#66
TOLUENE
Concen: 0.4416 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 91 Resp: 20606

Ion	Ratio	Lower	Upper
91	100		
92	58.8	29.0	89.0

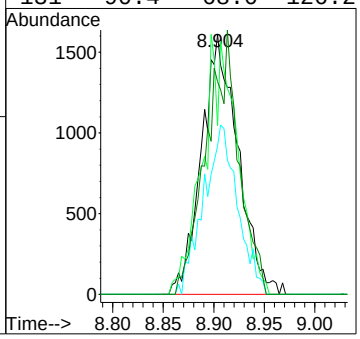


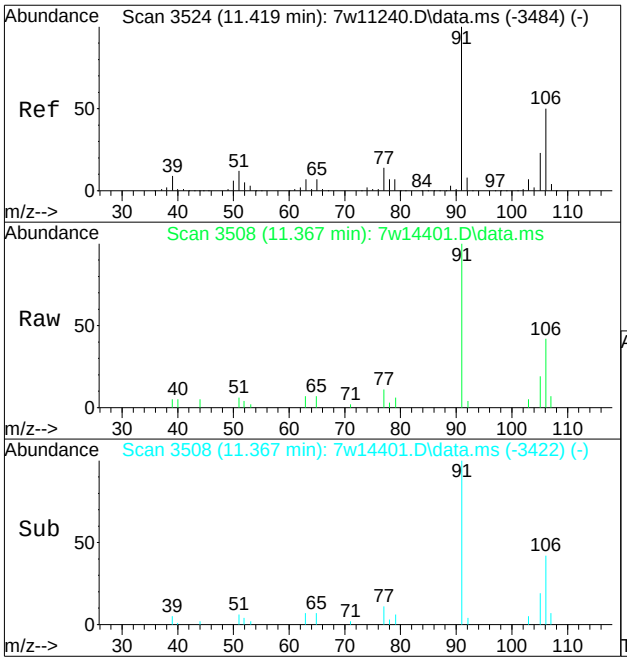


#72
TETRACHLOROETHENE
Concen: 0.2291 PPBV
RT: 8.904 min Scan# 2742
Delta R.T. -0.003 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion:164 Resp: 4051

Ion	Ratio	Lower	Upper
164	100		
129	95.0	68.9	127.9
168	60.7	42.3	78.5
131	90.4	68.0	126.2

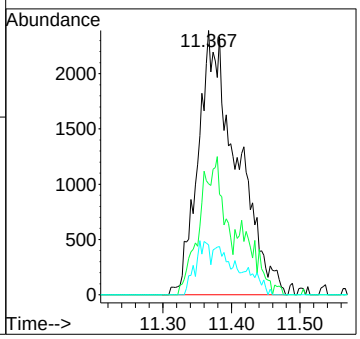




#80
M,P-XYLENE
Concen: 0.1983 PPBV
RT: 11.367 min Scan# 3508
Delta R.T. -0.052 min
Lab File: 7w14401.D
Acq: 13 Apr 2025 7:24 pm

Tgt Ion: 91 Resp: 9366

Ion	Ratio	Lower	Upper
91	100		
106	33.7	0.0	55.5
105	13.0	0.0	41.7



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/08/25 18:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35381.D
Acq On : 5 Apr 2025 5:18 am
Operator : benk
Sample : je8460-2dup Inst : GCMS6W
Misc : MS91162,v6w1468,608,,,,1.52
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 07 03:32:03 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

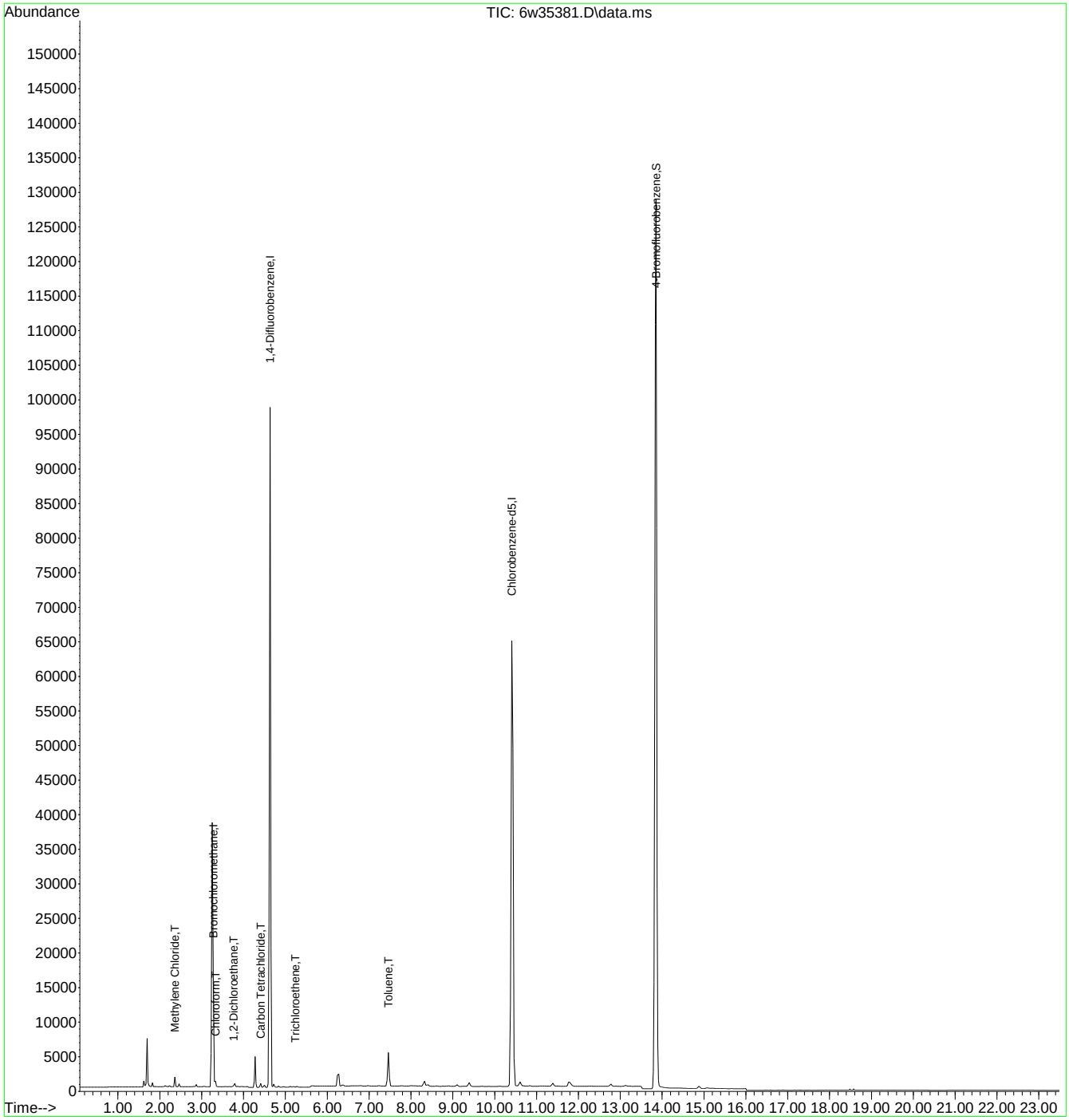
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Bromochloromethane	3.280	128	29275	10.00 ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	153595	10.00 ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	67370	10.00 ppb(v	0.00
System Monitoring Compounds					
28) 4-Bromofluorobenzene	13.852	95	100482	10.12 ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.20%		
Target Compounds					Qvalue
2) Methylene Chloride	2.360	84	711	0.1751 ppb(v#	32
3) Vinyl Chloride	0.000		0	N.D.	
4) Chloroethane	0.000		0	N.D. d	
5) 1,1-Dichloroethene	0.000		0	N.D. d	
6) trans-1,2-Dichloroethene	0.000		0	N.D. d	
7) 1,1-Dichloroethane	0.000		0	N.D. d	
8) cis-1,2-Dichloroethene	0.000		0	N.D. d	
9) Chloroform	3.331	83	93m	0.0129 ppb(v	
10) 1,1,1-Trichloroethane	0.000		0	N.D. d	
11) 1,2-Dichloroethane	3.765	62	115	0.0201 ppb(v#	63
12) Benzene	0.000		0	N.D. d	
13) Carbon Tetrachloride	4.411	117	559	0.0923 ppb(v	99
15) Toluene	7.458	92	4025	0.5588 ppb(v#	93
16) Trichloroethene	5.231	95	23	0.0045 ppb(v	74
17) 1,2-Dichloropropane	0.000		0	N.D. d	
18) Bromodichloromethane	0.000		0	N.D. d	
19) cis-1,3-Dichloropropene	0.000		0	N.D. d	
20) trans-1,3-Dichloropropene	0.000		0	N.D. d	
21) 1,1,2-Trichloroethane	0.000		0	N.D. d	
22) Dibromochloromethane	0.000		0	N.D. d	
23) Tetrachloroethene	0.000		0	N.D. d	
24) 1,2-Dibromoethane	0.000		0	N.D. d	
26) Chlorobenzene	0.000		0	N.D. d	
27) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. d	
29) 1,3-Dichlorobenzene	0.000		0	N.D. d	
30) 1,4-Dichlorobenzene	0.000		0	N.D. d	
31) 1,2-Dichlorobenzene	0.000		0	N.D. d	
32) Naphthalene	0.000		0	N.D. d	

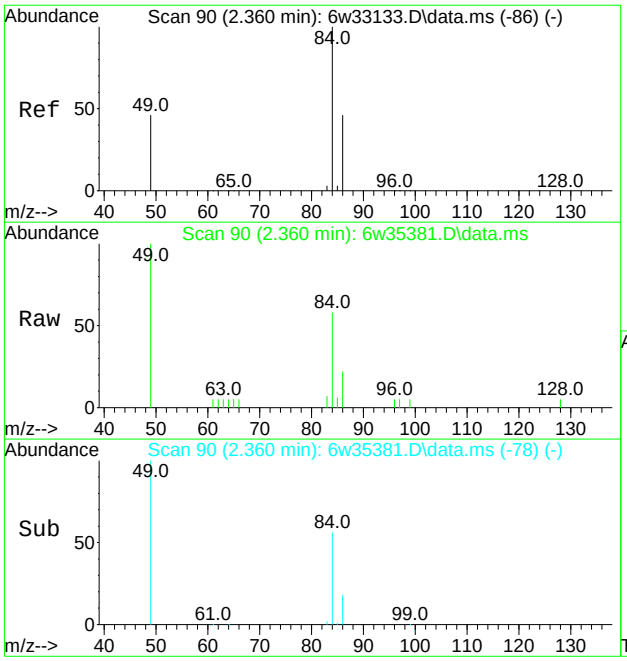
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35381.D
Acq On : 5 Apr 2025 5:18 am
Operator : benk
Sample : je8460-2dup Inst : GCMS6W
Misc : MS91162,v6w1468,608,,,,1.52
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 07 03:32:03 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

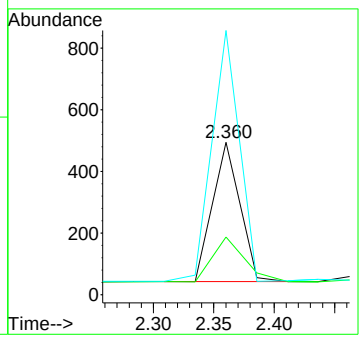


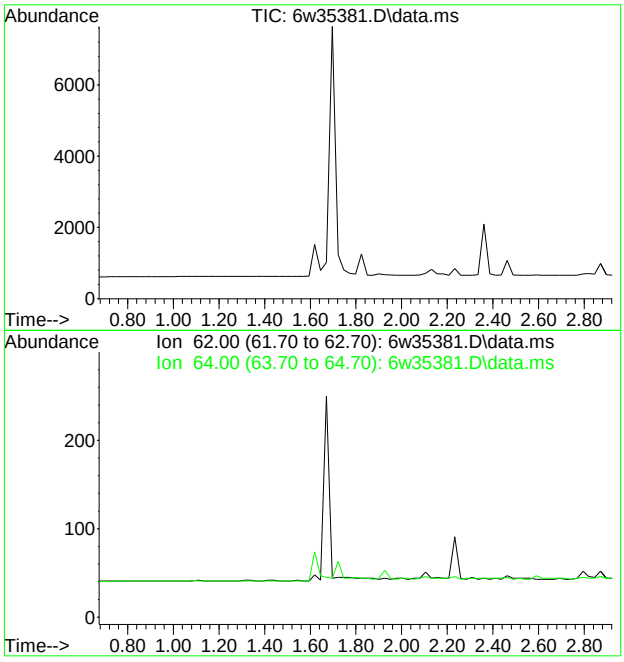


#2
Methylene Chloride
Concen: 0.1751 ppb(v)
RT: 2.360 min Scan# 90
Delta R.T. 0.000 min
Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 84 Resp: 711

Ion	Ratio	Lower	Upper
84	100		
86	37.8	33.7	62.5
49	173.3	59.2	110.0#



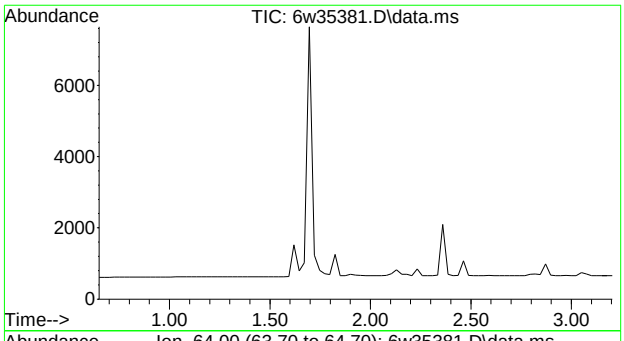


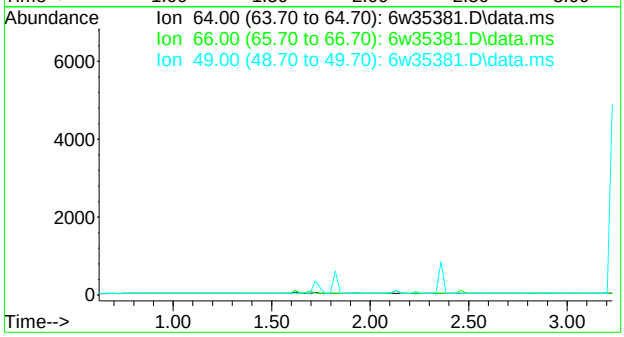
#3
Vinyl Chloride
Concen: N.D.
Expected RT: 1.77 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 62

Sig	Exp Ratio
62	100
64	22.6



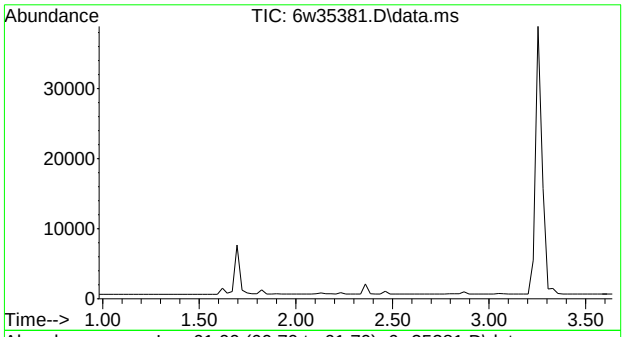


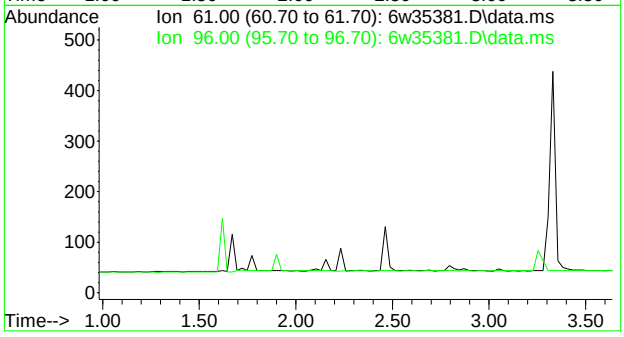
#4
Chloroethane
Concen: N.D.
Expected RT: 1.93 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 64

Sig	Exp Ratio
64	100
66	34.6
49	32.7



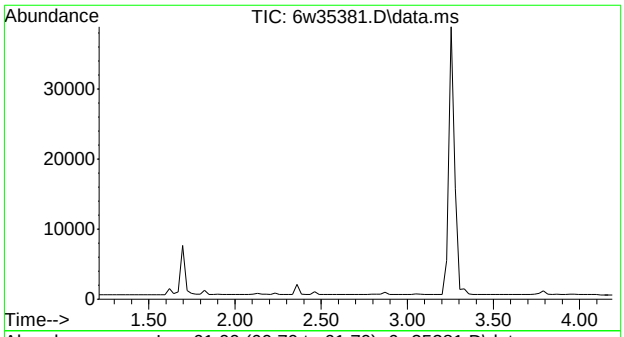


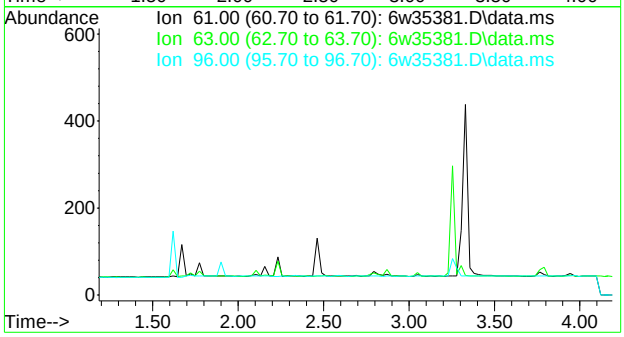
#5
1,1-Dichloroethene
Concen: N.D.
Expected RT: 2.31 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 61

Sig	Exp Ratio
61	100
96	10.9



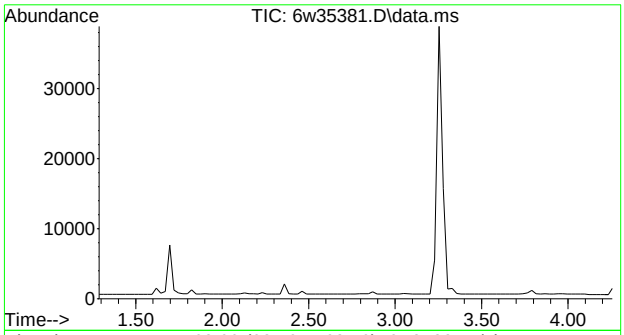


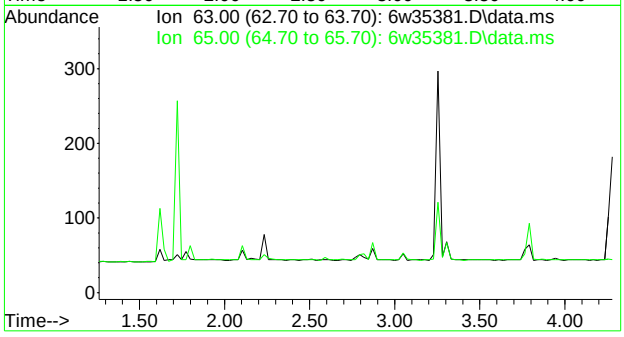
#6
trans-1,2-Dichloroethene
Concen: N.D.
Expected RT: 2.69 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 61

Sig	Exp Ratio
61	100
63	34.7
96	12.8



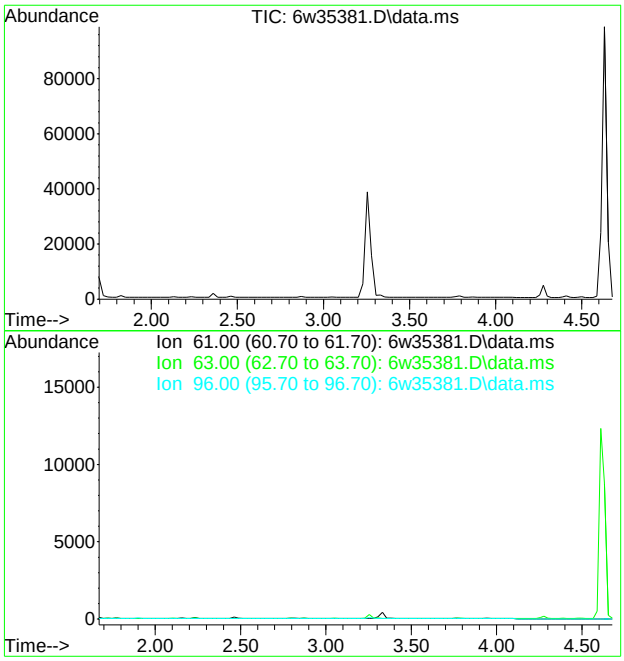


#7
1,1-Dichloroethane
Concen: N.D.
Expected RT: 2.77 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 63

Sig	Exp Ratio
63	100
65	27.7

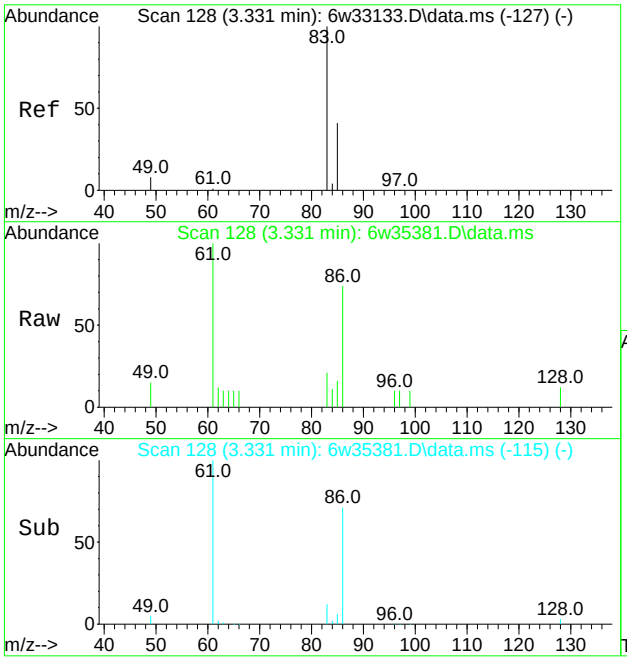


#8
cis-1,2-Dichloroethene
Concen: N.D.
Expected RT: 3.18 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 61

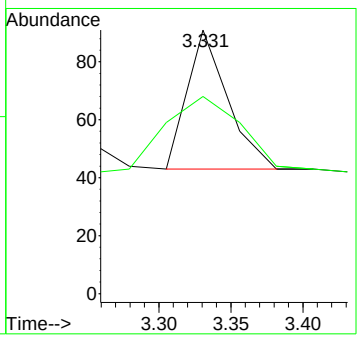
Sig	Exp Ratio
61	100
63	61.1
96	137.4

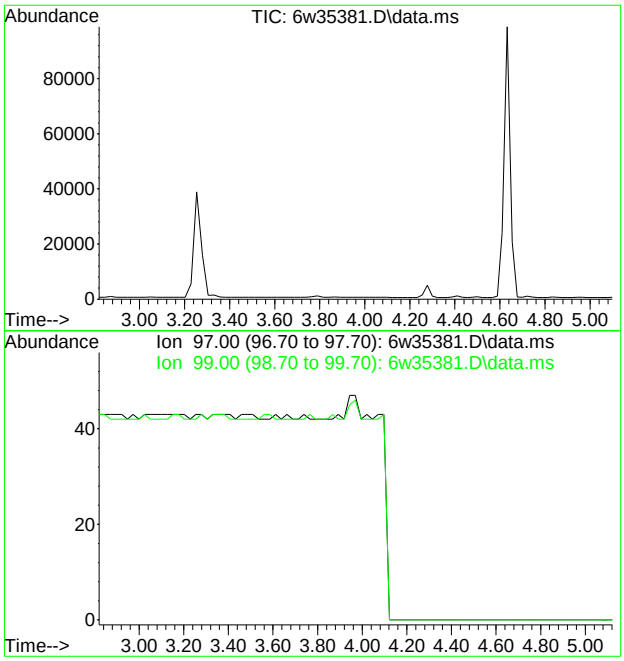


#9
Chloroform
Concen: 0.0129 ppb(v) m
RT: 3.331 min Scan# 128
Delta R.T. -0.000 min
Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 83 Resp: 93

Ion	Ratio	Lower	Upper
83	100		
85	74.7	38.9	72.2#



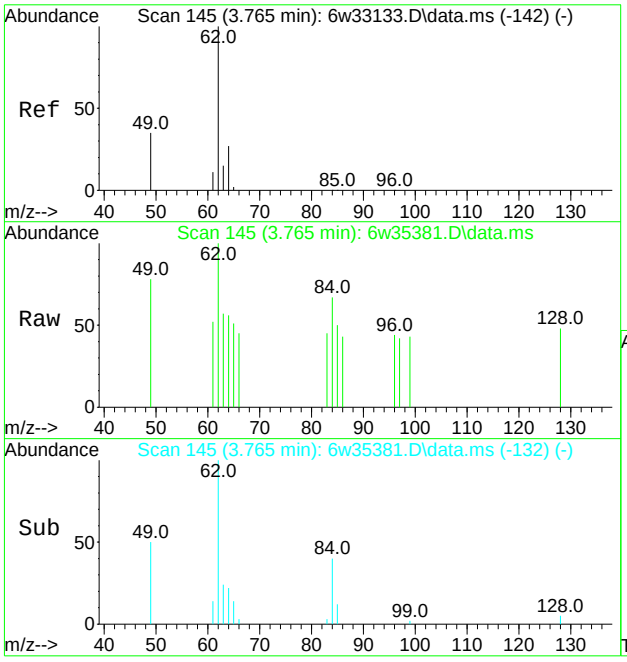


#10
1,1,1-Trichloroethane
Concen: N.D.
Expected RT: 3.97 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 97

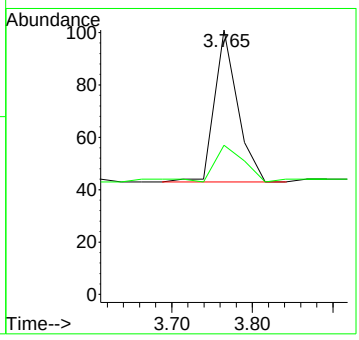
Sig	Exp Ratio
97	100
99	79.7

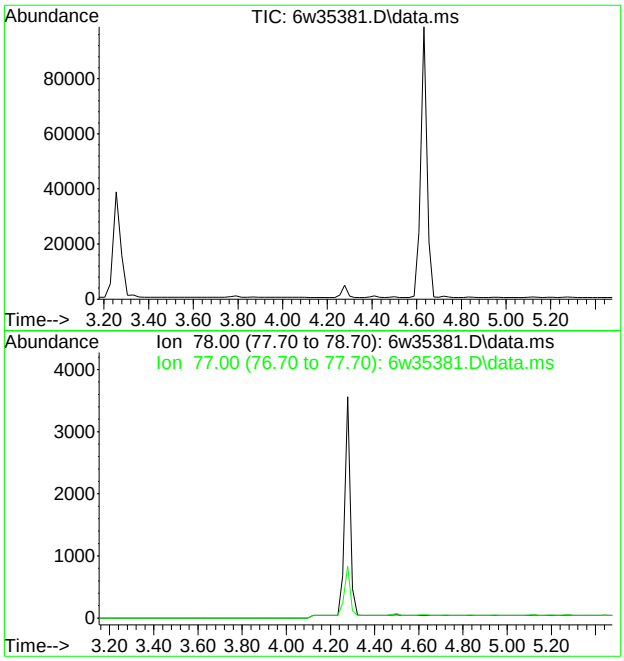


#11
1,2-Dichloroethane
Concen: 0.0201 ppb(v)
RT: 3.765 min Scan# 145
Delta R.T. -0.000 min
Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 62 Resp: 115

Ion	Ratio	Lower	Upper
62	100		
64	56.4	24.4	45.4#



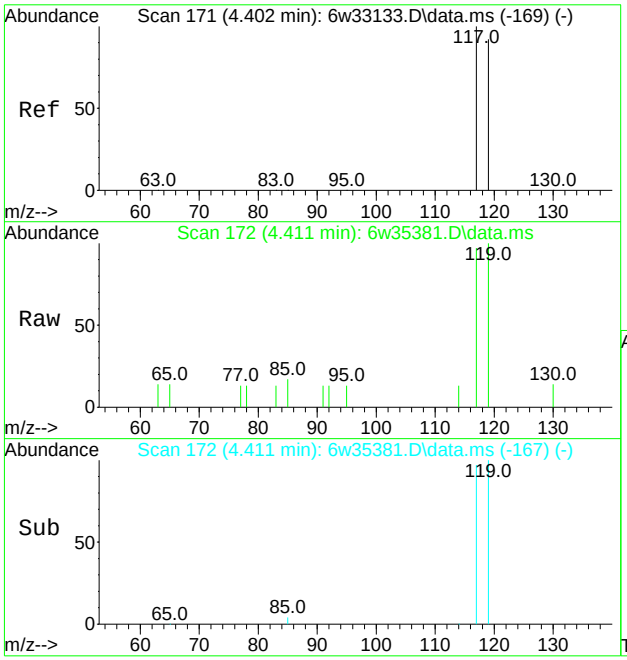


#12
Benzene
Concen: N.D.
Expected RT: 4.28 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 78

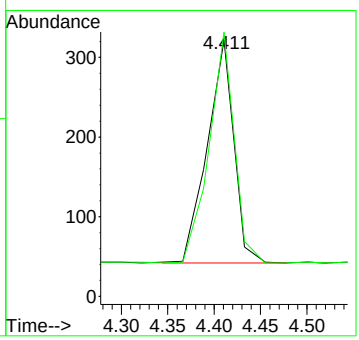
Sig	Exp Ratio
78	100
77	28.2

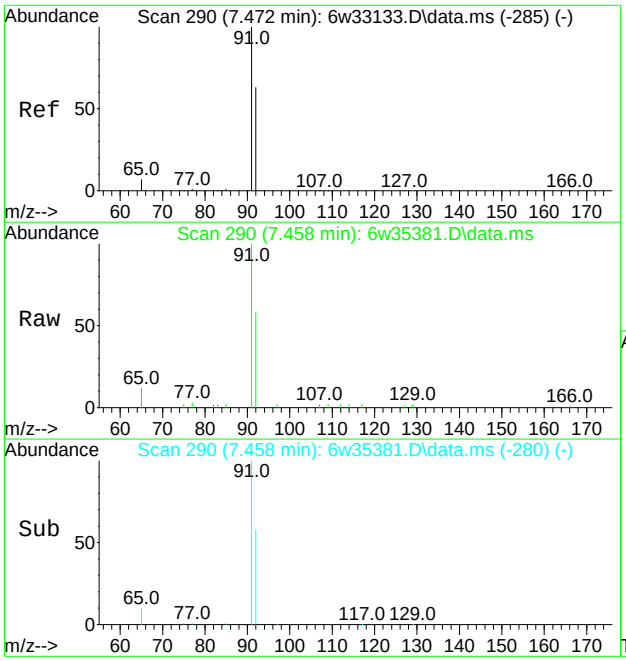


#13
Carbon Tetrachloride
Concen: 0.0923 ppb(v)
RT: 4.411 min Scan# 172
Delta R.T. -0.000 min
Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion:117 Resp: 559

Ion	Ratio	Lower	Upper
117	100		
119	103.1	73.0	135.6

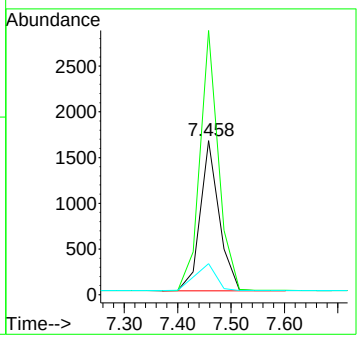


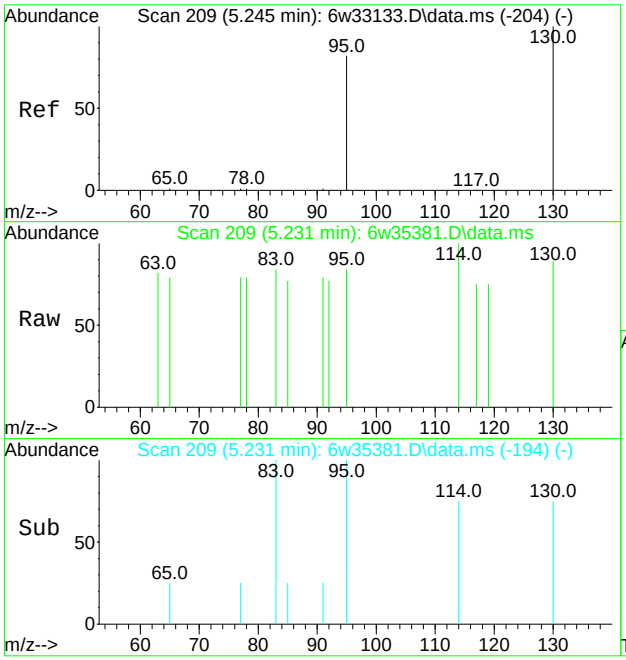


#15
Toluene
Concen: 0.5588 ppb(v)
RT: 7.458 min Scan# 290
Delta R.T. -0.000 min
Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 92 Resp: 4025

Ion	Ratio	Lower	Upper
92	100		
91	171.6	115.8	215.0
65	20.2	22.4	41.6#

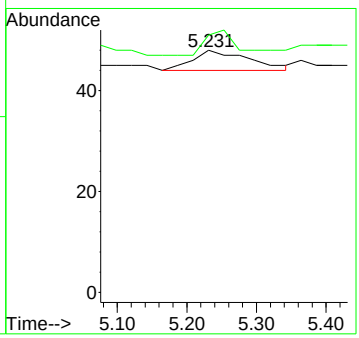


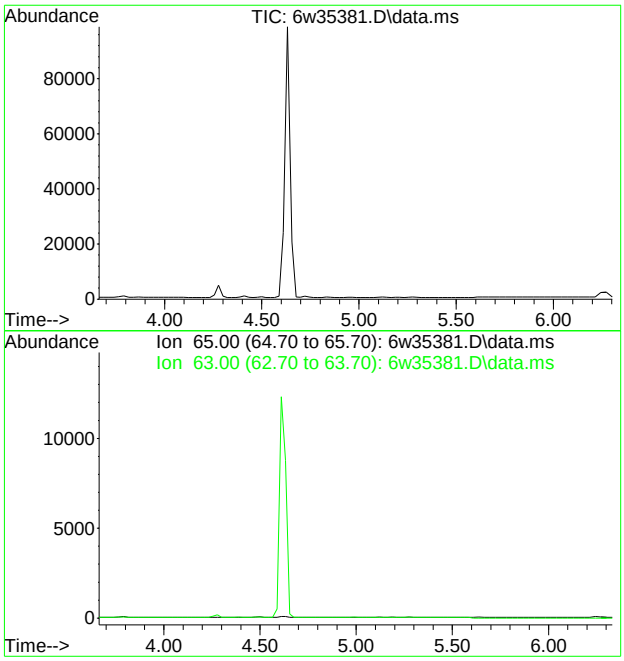


#16
Trichloroethene
Concen: 0.0045 ppb(v)
RT: 5.231 min Scan# 209
Delta R.T. 0.000 min
Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 95 Resp: 23

Ion	Ratio	Lower	Upper
95	100		
130	106.3	58.0	107.6



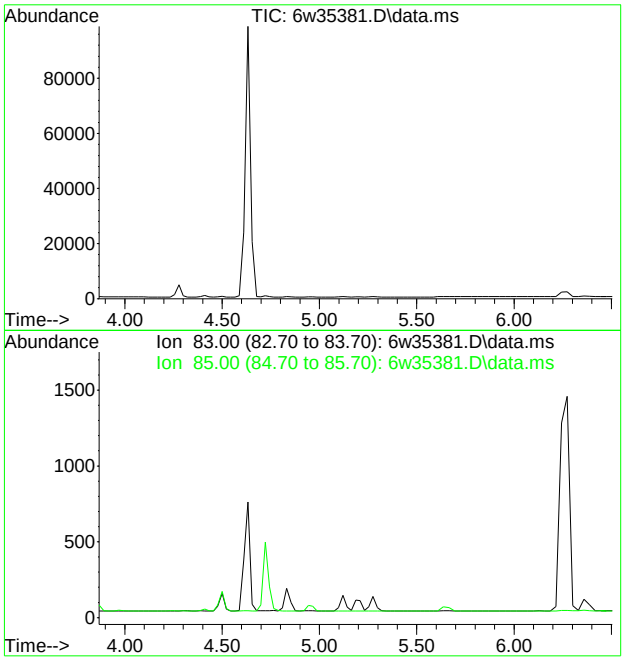


#17
1,2-Dichloropropane
Concen: N.D.
Expected RT: 4.99 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 65

Sig	Exp Ratio
65	100
63	230.0

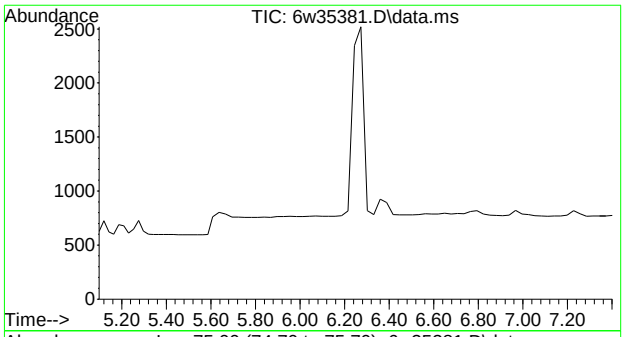


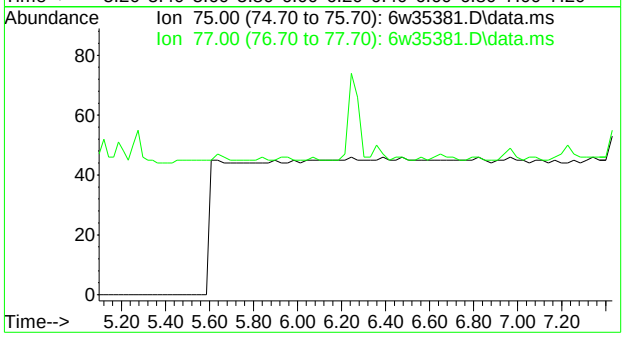
#18
Bromodichloromethane
Concen: N.D.
Expected RT: 5.19 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 83

Sig	Exp Ratio
83	100
85	71.5



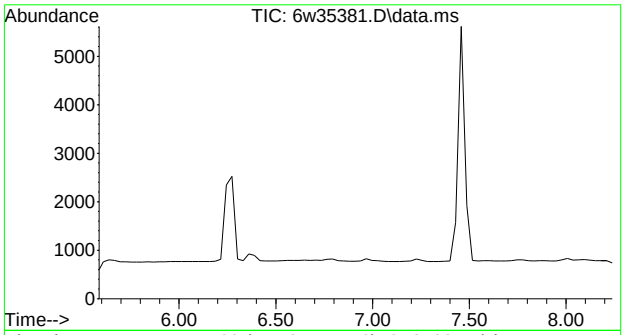


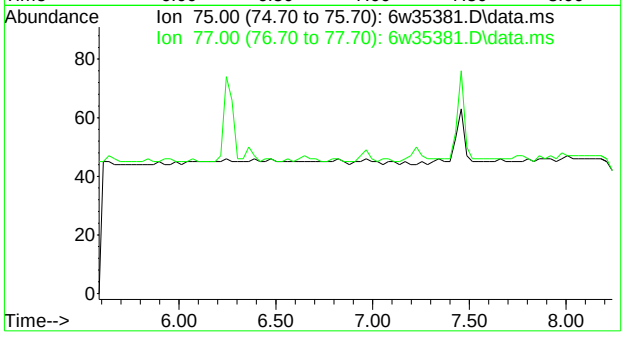
#19
cis-1,3-Dichloropropene
Concen: N.D.
Expected RT: 6.22 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 75

Sig	Exp Ratio
75	100
77	48.6



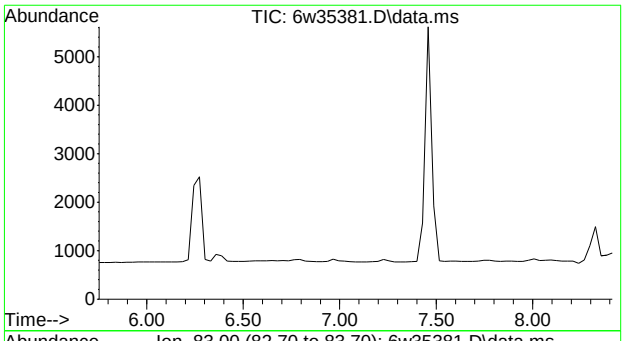


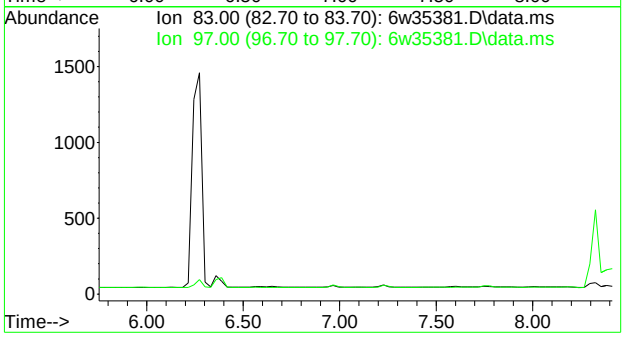
#20
trans-1,3-Dichloropropene
Concen: N.D.
Expected RT: 6.91 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 75

Sig	Exp Ratio
75	100
77	47.5



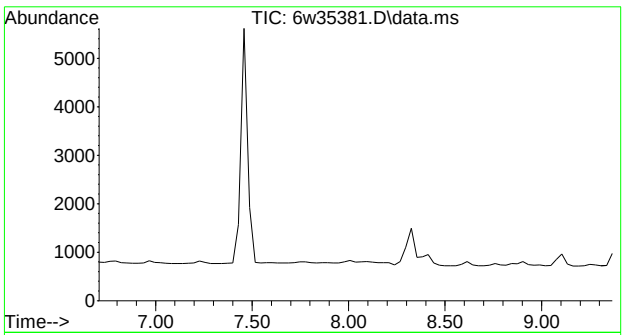


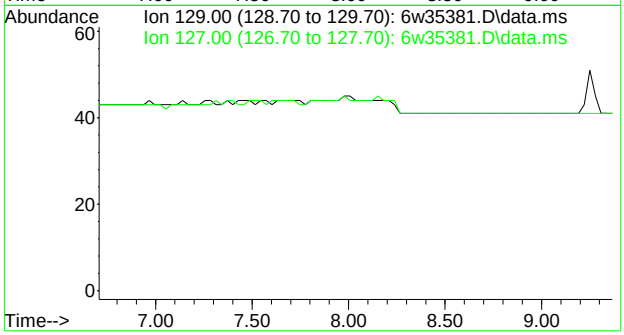
#21
1,1,2-Trichloroethane
Concen: N.D.
Expected RT: 7.08 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 83

Sig	Exp Ratio
83	100
97	89.4



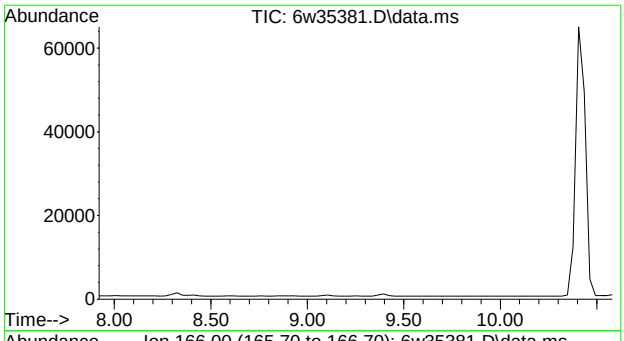


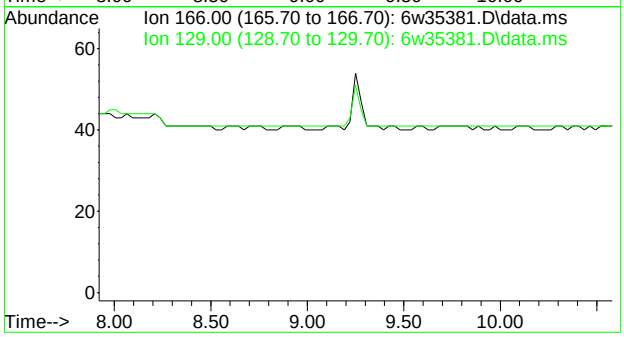
#22
Dibromochloromethane
Concen: N.D.
Expected RT: 8.04 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 129

Sig	Exp Ratio
129	100
127	84.1



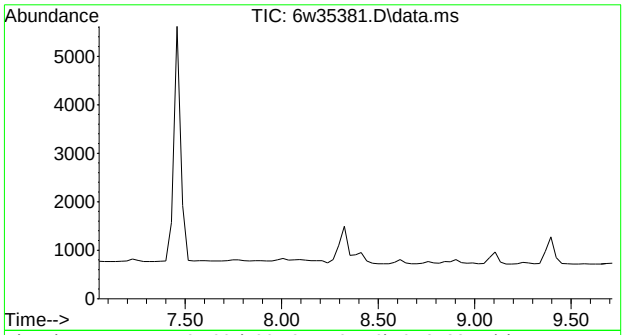


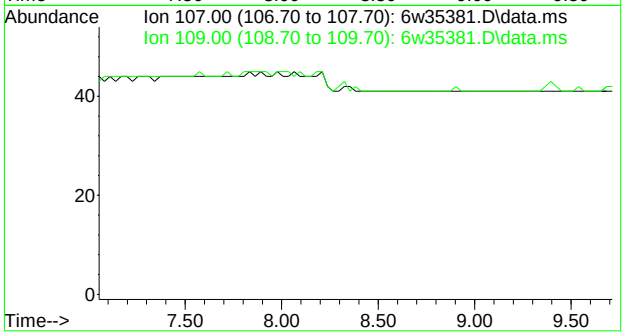
#23
Tetrachloroethene
Concen: N.D.
Expected RT: 9.25 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 166

Sig	Exp Ratio
166	100
129	81.7



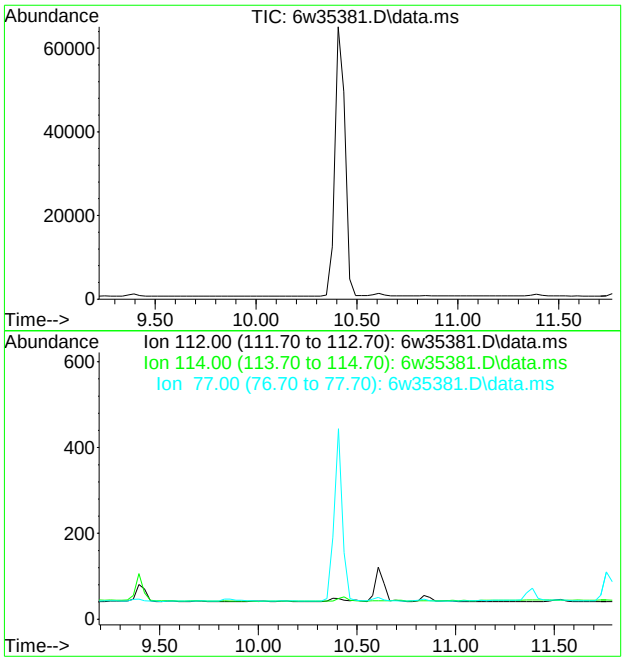


#24
1,2-Dibromoethane
Concen: N.D.
Expected RT: 8.38 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 107

Sig	Exp Ratio
107	100
109	94.8

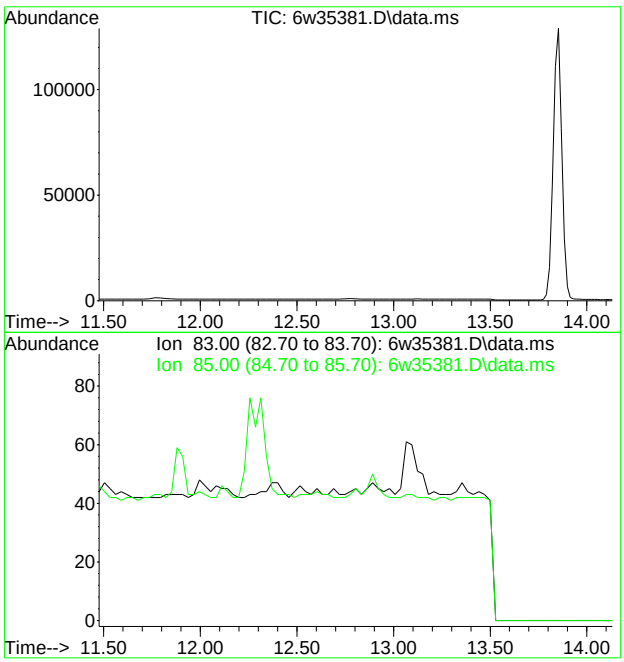


#26
Chlorobenzene
Concen: N.D.
Expected RT: 10.49 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 112

Sig	Exp Ratio
112	100
114	38.6
77	48.8

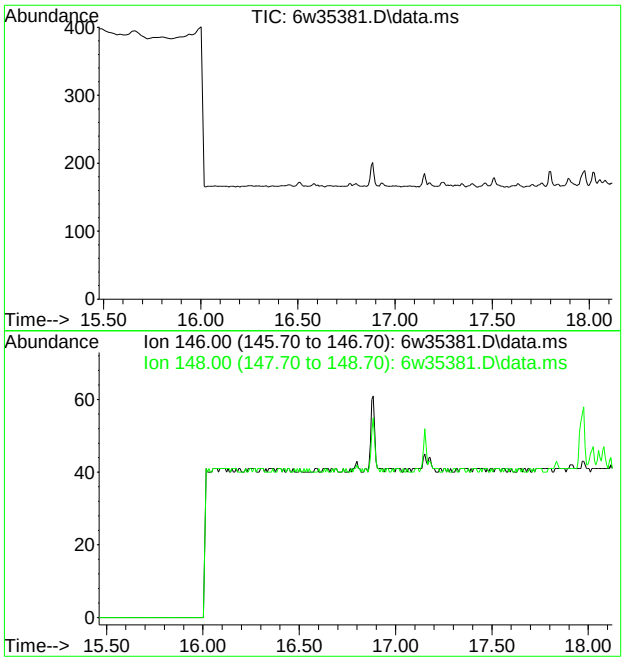


#27
1,1,2,2-Tetrachloroethane
Concen: N.D.
Expected RT: 12.81 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 83

Sig	Exp Ratio
83	100
85	66.3

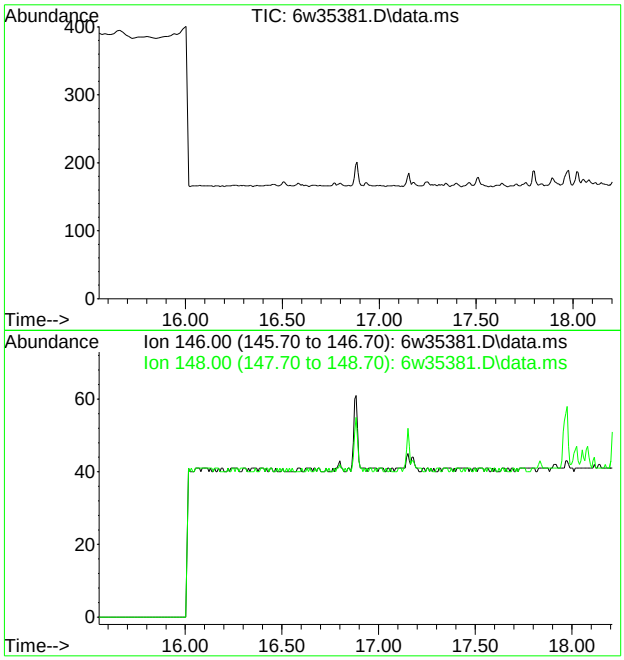


#29
1,3-Dichlorobenzene
Concen: N.D.
Expected RT: 16.79 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 146

Sig	Exp Ratio
146	100
148	57.6

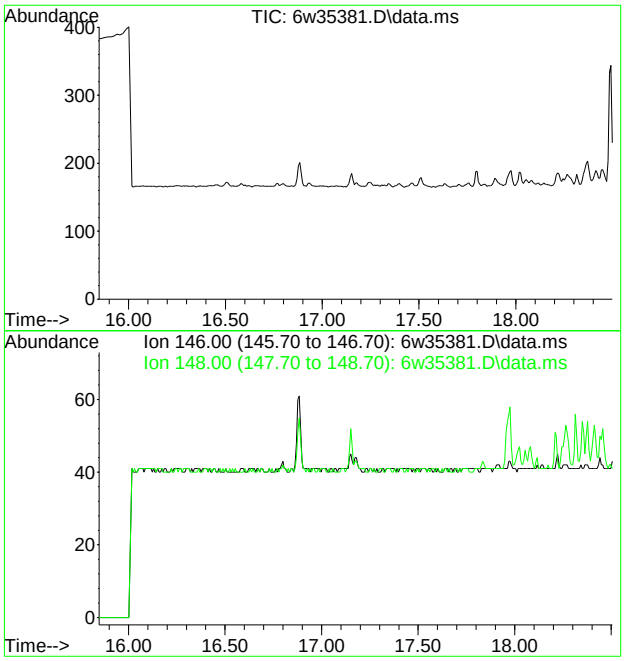


#30
1,4-Dichlorobenzene
Concen: N.D.
Expected RT: 16.88 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 146

Sig	Exp Ratio
146	100
148	58.8

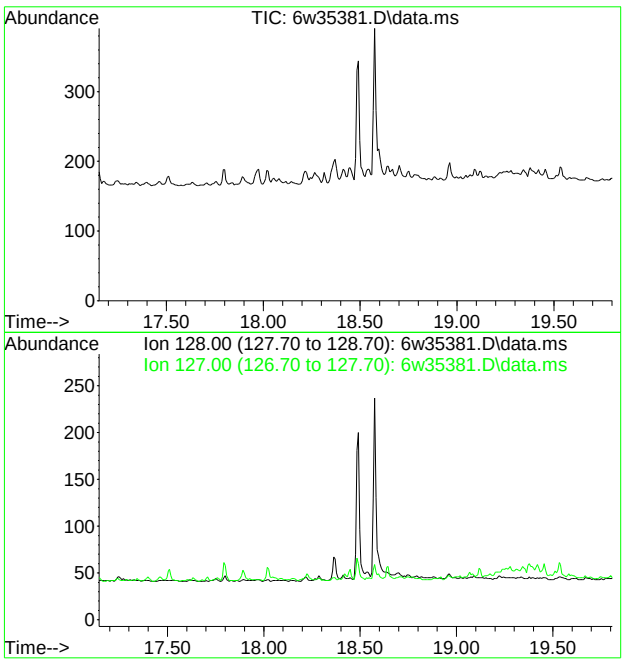


#31
1,2-Dichlorobenzene
Concen: N.D.
Expected RT: 17.17 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 146

Sig	Exp Ratio
146	100
148	60.6



#32
Naphthalene
Concen: N.D.
Expected RT: 18.48 min

Lab File: 6w35381.D
Acq: 5 Apr 2025 5:18 am

Tgt Ion: 128

Sig	Exp Ratio
128	100
127	14.2

Manual Integration Approval Summary

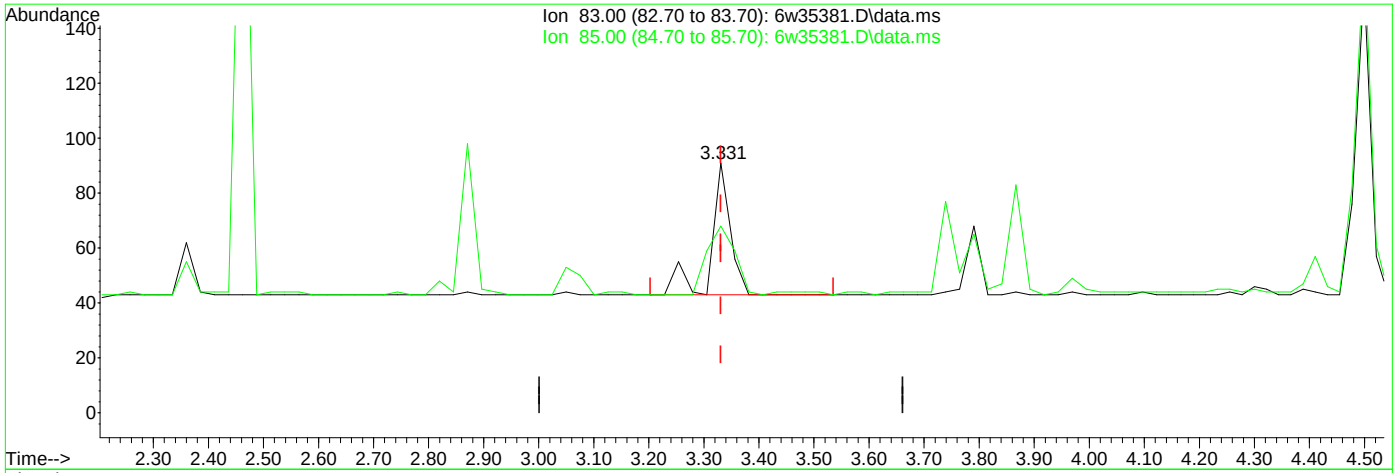
Sample Number: JE8460-2DUP
Lab FileID: 6W35381.D
Injection Time: 04/05/25 05:18
Method: TO-15 (BY SIM)
Analyst approved: 04/07/25 00:29 Lucky Carandang
Supervisor approved: 04/08/25 18:09 Kanya Veerawat

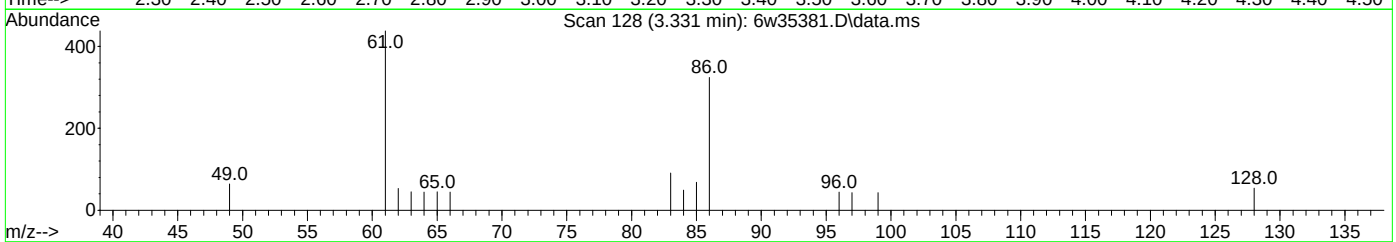
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak

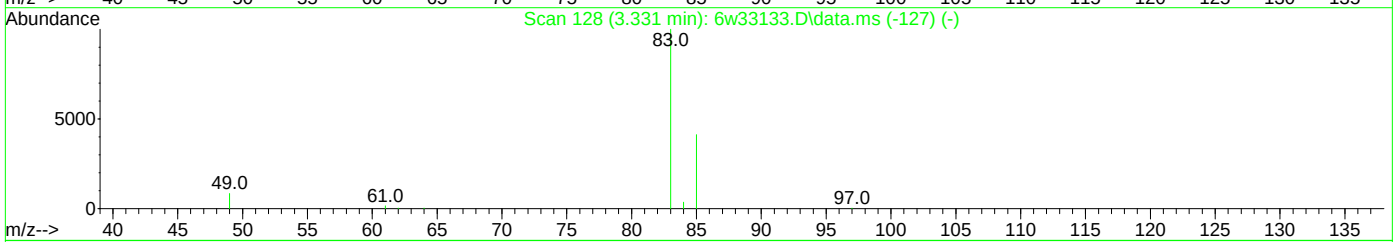
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35381.D
Acq On : 5 Apr 2025 5:18 am
Operator : benk
Sample : je8460-2dup Inst : GCMS6W
Misc : MS91162,v6w1468,608,,,,1.52
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 07 01:16:15 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35381.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.02ppb(v)

response 113

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	74.73#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-17-2025\V7W423\
Data File : 7w11830.D
Acq On : 16 Jan 2025 8:03 pm
Operator : williamc
Sample : scc(m129),cp12971 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 17 08:54:58 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

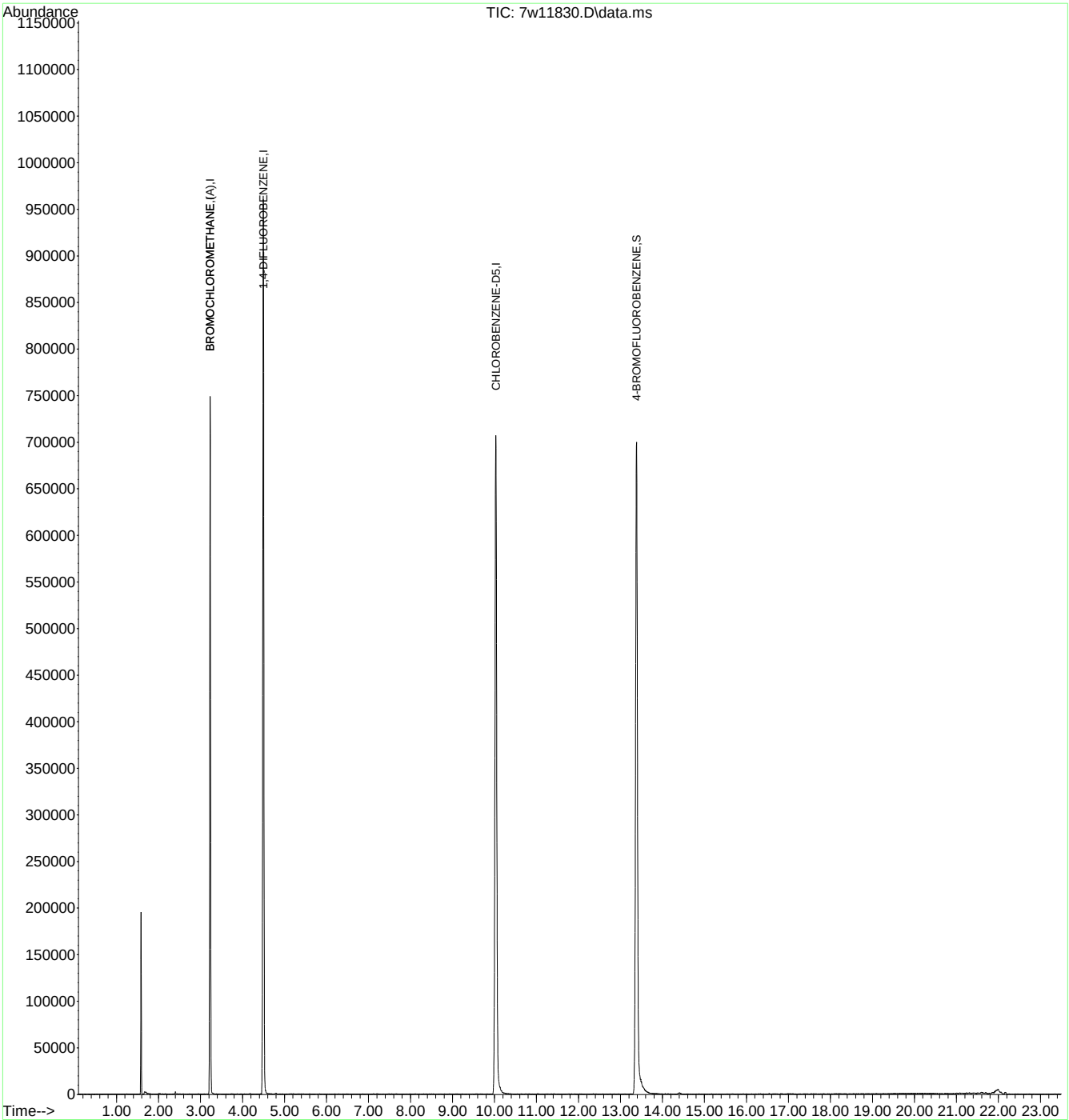
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	140094	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	709175	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	645988	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	140094	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	460648	9.83	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-17-2025\V7W423\
Data File : 7w11830.D
Acq On : 16 Jan 2025 8:03 pm
Operator : williamc
Sample : scc(m129),cp12971 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 17 08:54:58 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11885.D
Acq On : 18 Jan 2025 10:49 am
Operator : williamc
Sample : scc(a1471),cp12975 Inst : MS7W
Misc : MS88959,v7w424,,,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jan 20 07:51:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

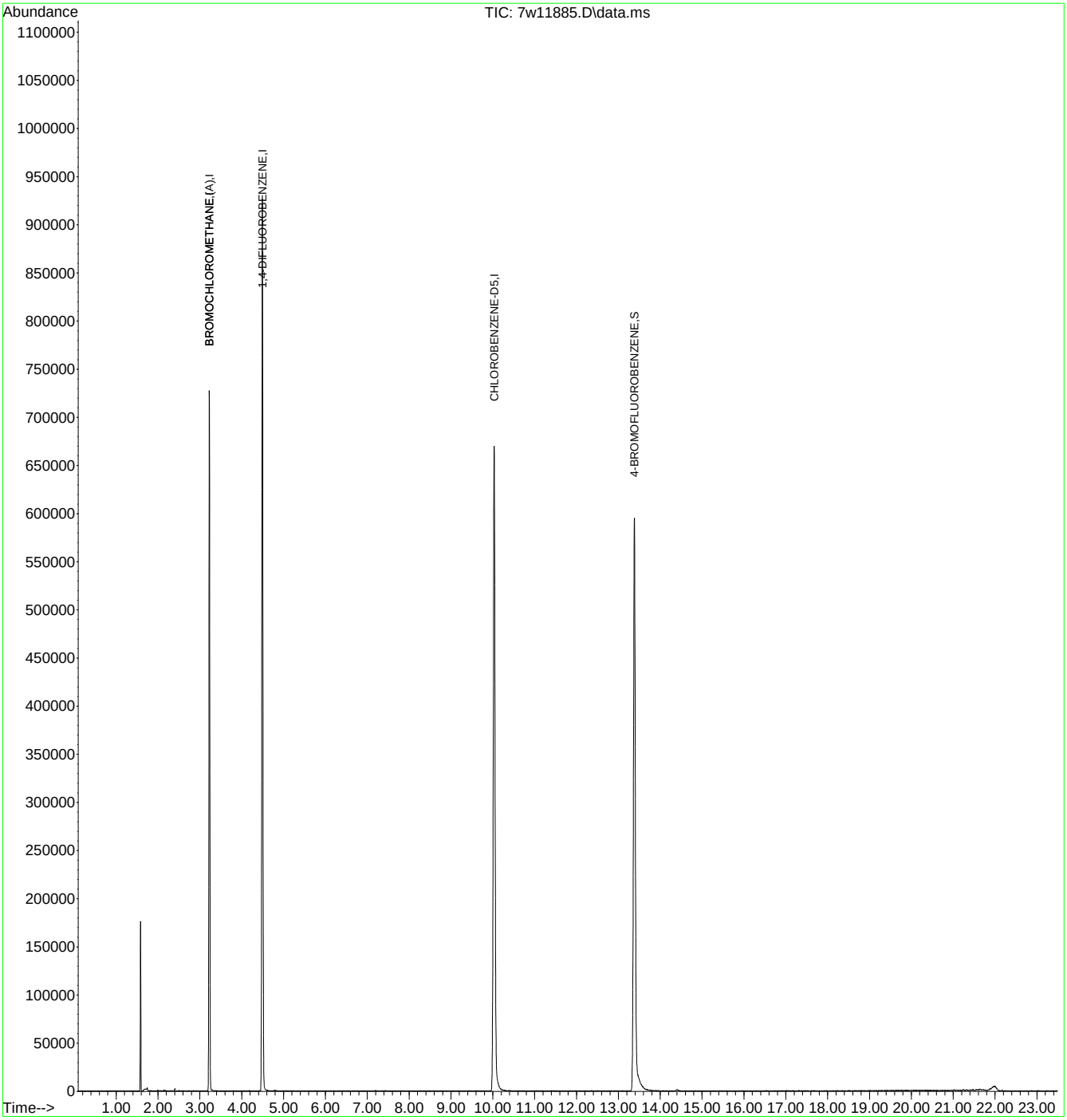
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	134264	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	675342	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	612055	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	134264	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	393638	8.86	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11885.D
Acq On : 18 Jan 2025 10:49 am
Operator : williamc
Sample : scc(a1471),cp12975 Inst : MS7W
Misc : MS88959,v7w424,,,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jan 20 07:51:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-21-2025\V7W426\
Data File : 7w11949.D
Acq On : 20 Jan 2025 12:08 pm
Operator : benk
Sample : scc(m167),cp12963 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 21 02:58:11 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

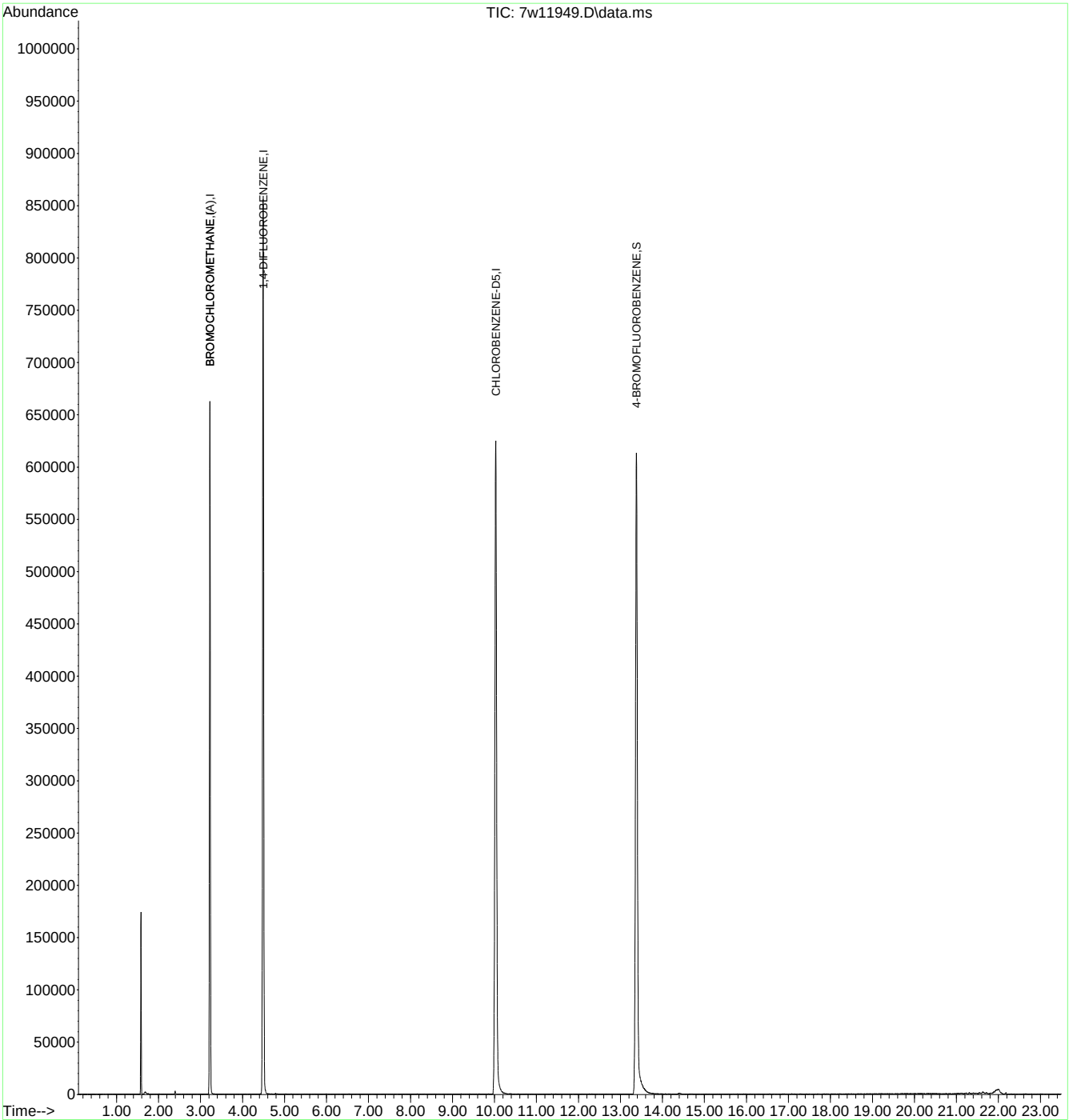
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	123659	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	627611	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	572163	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	123659	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	401393	9.67	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-21-2025\V7W426\
Data File : 7w11949.D
Acq On : 20 Jan 2025 12:08 pm
Operator : benk
Sample : scc(m167),cp12963 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 21 02:58:11 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56382.D
Acq On : 24 Jan 2025 7:18 pm
Operator : williamc
Sample : scc(a243),cp12974 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 05:35:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

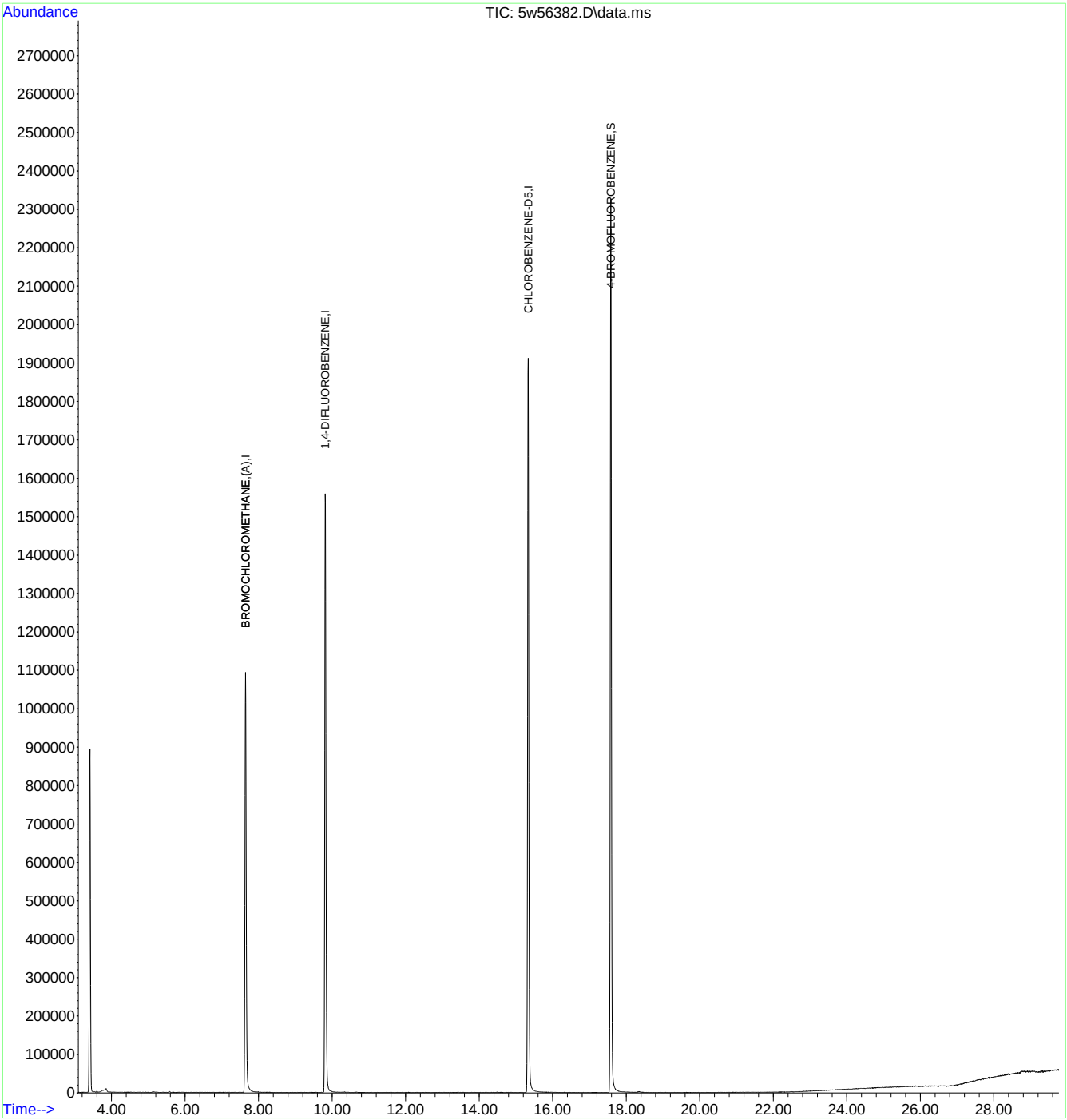
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.644	128	369023	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.810	114	1652460	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.334	82	694505	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.644	128	369023	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	951652	11.63	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 116.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56382.D
Acq On : 24 Jan 2025 7:18 pm
Operator : williamc
Sample : scc(a243),cp12974 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 27 05:35:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-27-25\V7W431\
Data File : 7w12133.D
Acq On : 26 Jan 2025 3:38 pm
Operator : benk
Sample : scc(a1735),cp12978 Inst : MS7W
Misc : MS89007,v7w431,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 27 07:45:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

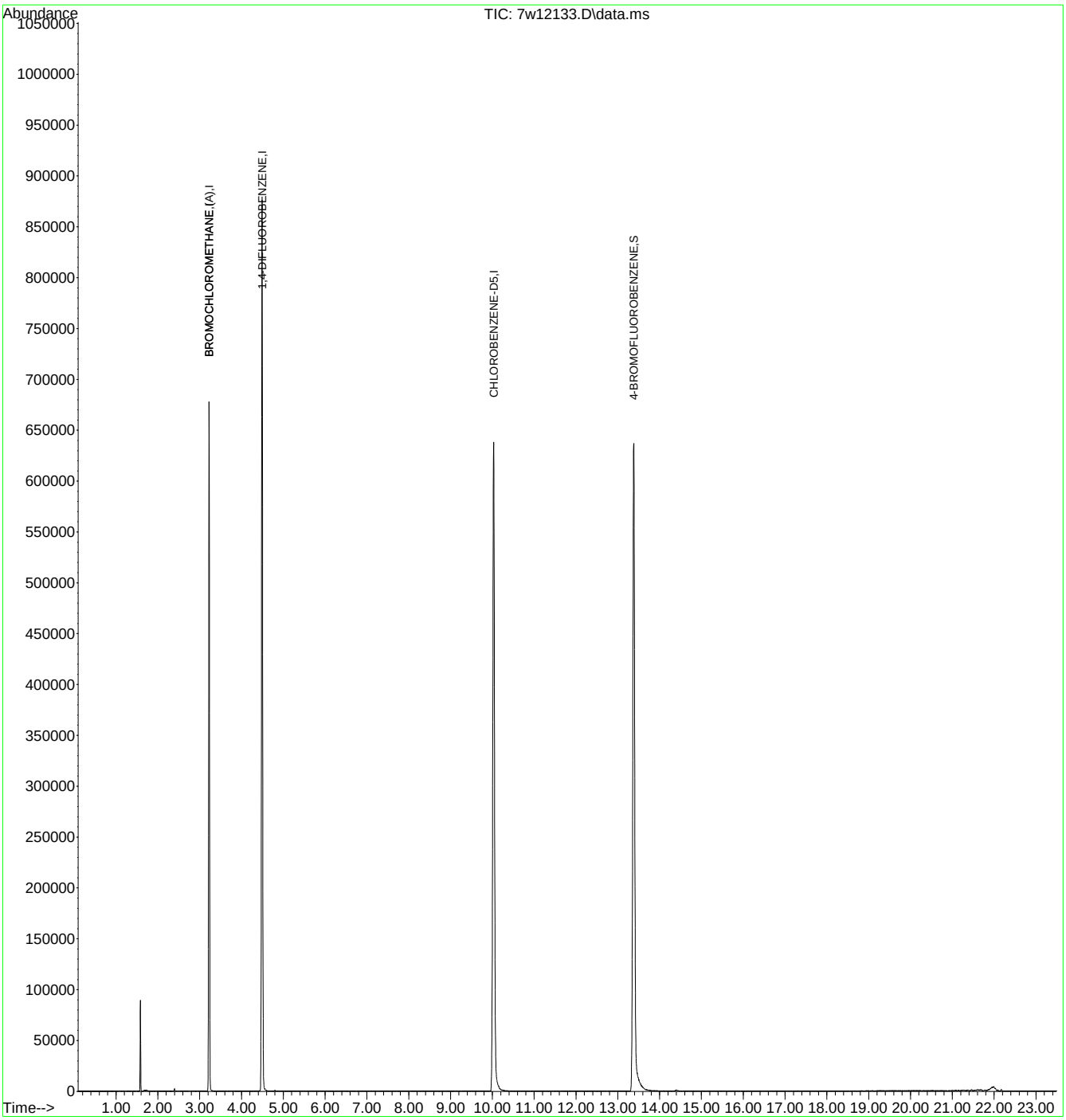
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.225	128	130306	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	650653	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	592908	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	130306	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.379	95	426039	9.90	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-27-25\V7W431\
Data File : 7w12133.D
Acq On : 26 Jan 2025 3:38 pm
Operator : benk
Sample : scc(a1735),cp12978 Inst : MS7W
Misc : MS89007,v7w431,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 27 07:45:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w13016.D
Acq On : 26 Feb 2025 1:52 pm
Operator : williamc
Sample : scc(a1591),cp13012
Misc : MS89821,v7w459,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 26 14:25:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

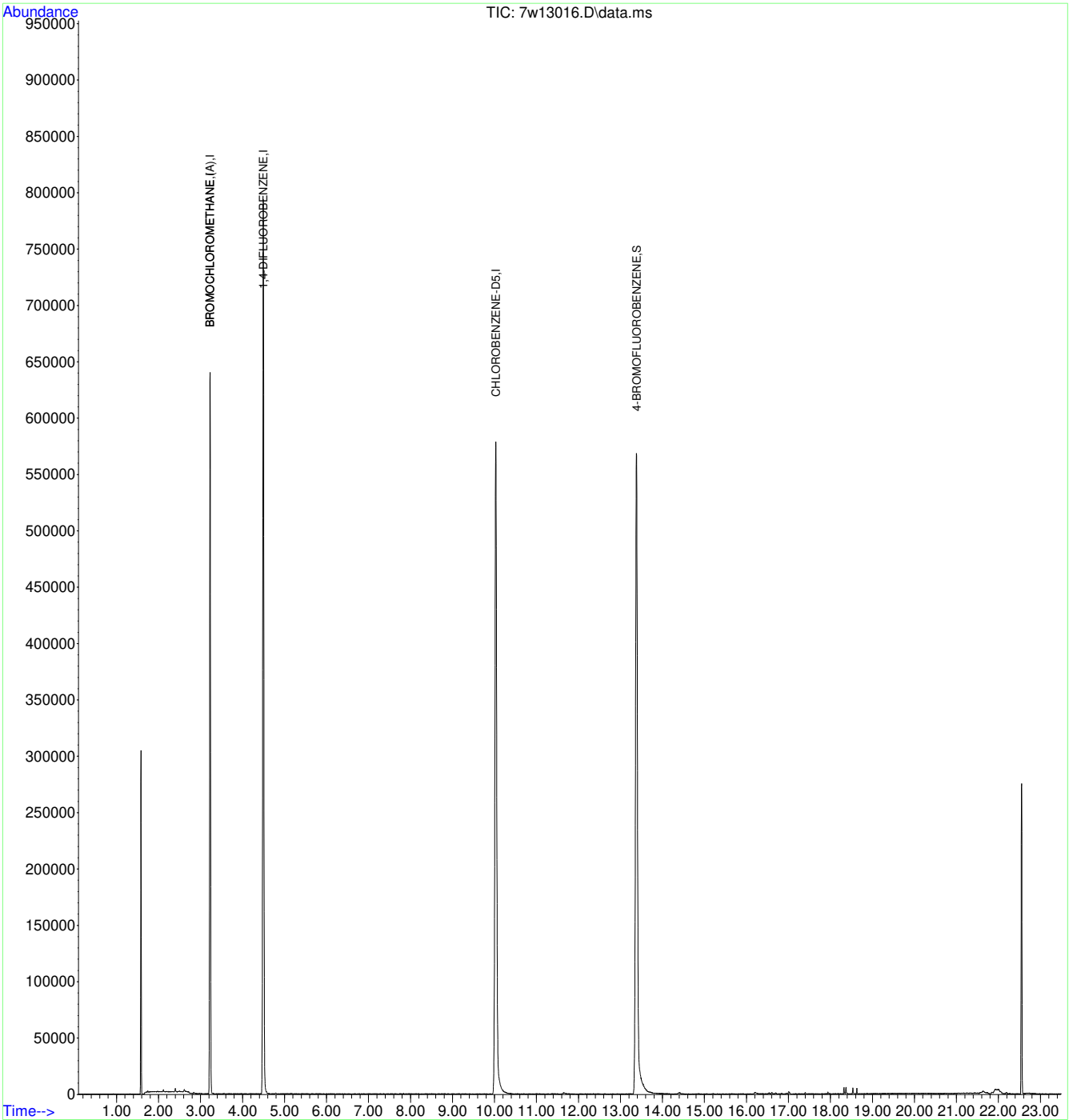
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	131020	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	637045	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	583285	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131020	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	405037	9.57	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w13016.D
Acq On : 26 Feb 2025 1:52 pm
Operator : williamc
Sample : scc(a1591),cp13012
Misc : MS89821,v7w459,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 26 14:25:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34754.D
Acq On : 30 Jan 2025 9:51 pm
Operator : benk
Sample : scc(a1291),cp12974
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 13:35:16 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration

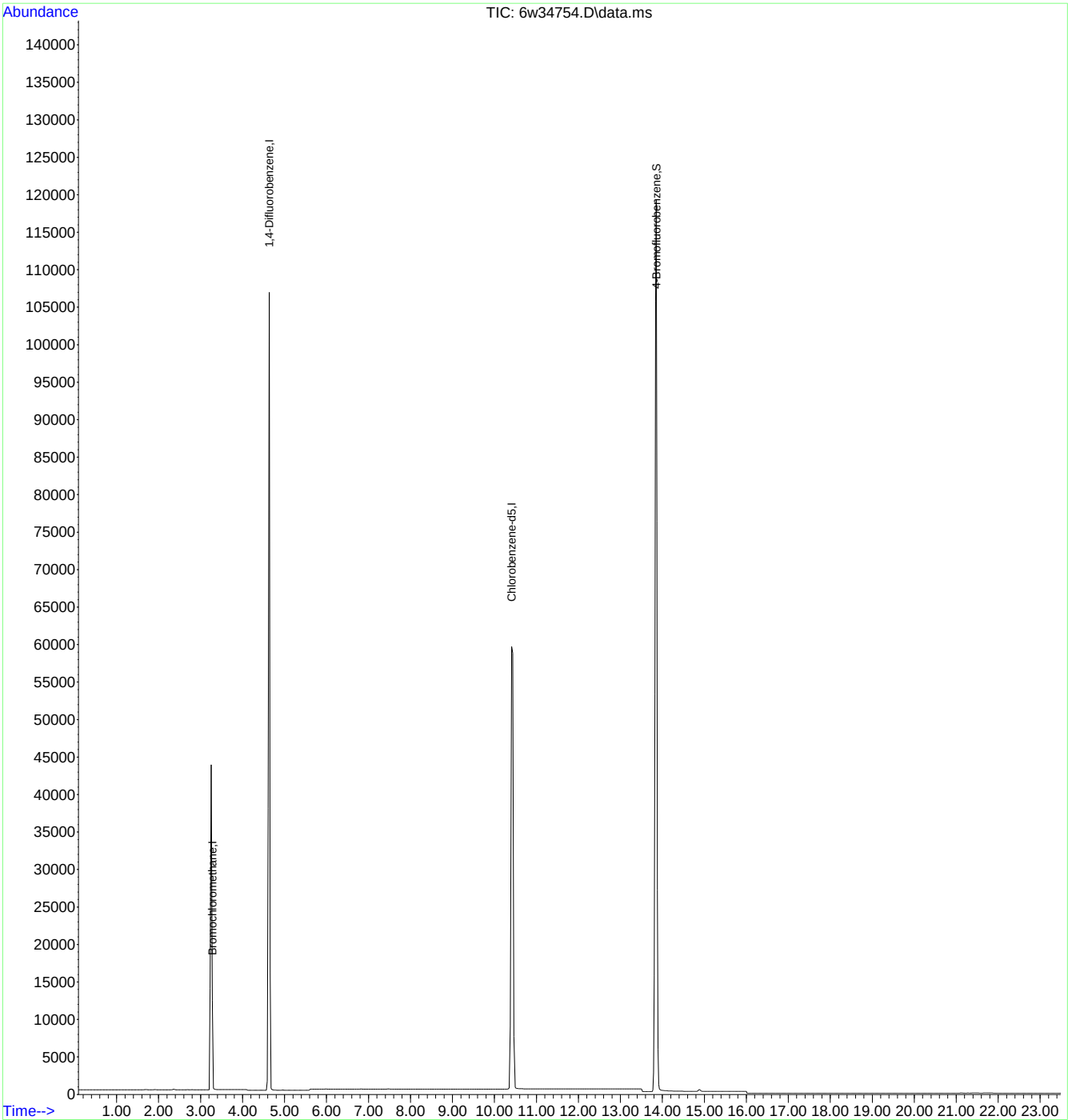
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	30676	10.00	ppb(v	# 0.00
14) 1,4-Difluorobenzene	4.633	114	169356	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	73651	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	101231	9.33	ppb(v	0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 93.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34754.D
Acq On : 30 Jan 2025 9:51 pm
Operator : benk
Sample : scc(a1291),cp12974
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 13:35:16 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35024.D
Acq On : 26 Feb 2025 9:34 am
Operator : thomash
Sample : scc(a1711),cp13012
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 26 13:43:03 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

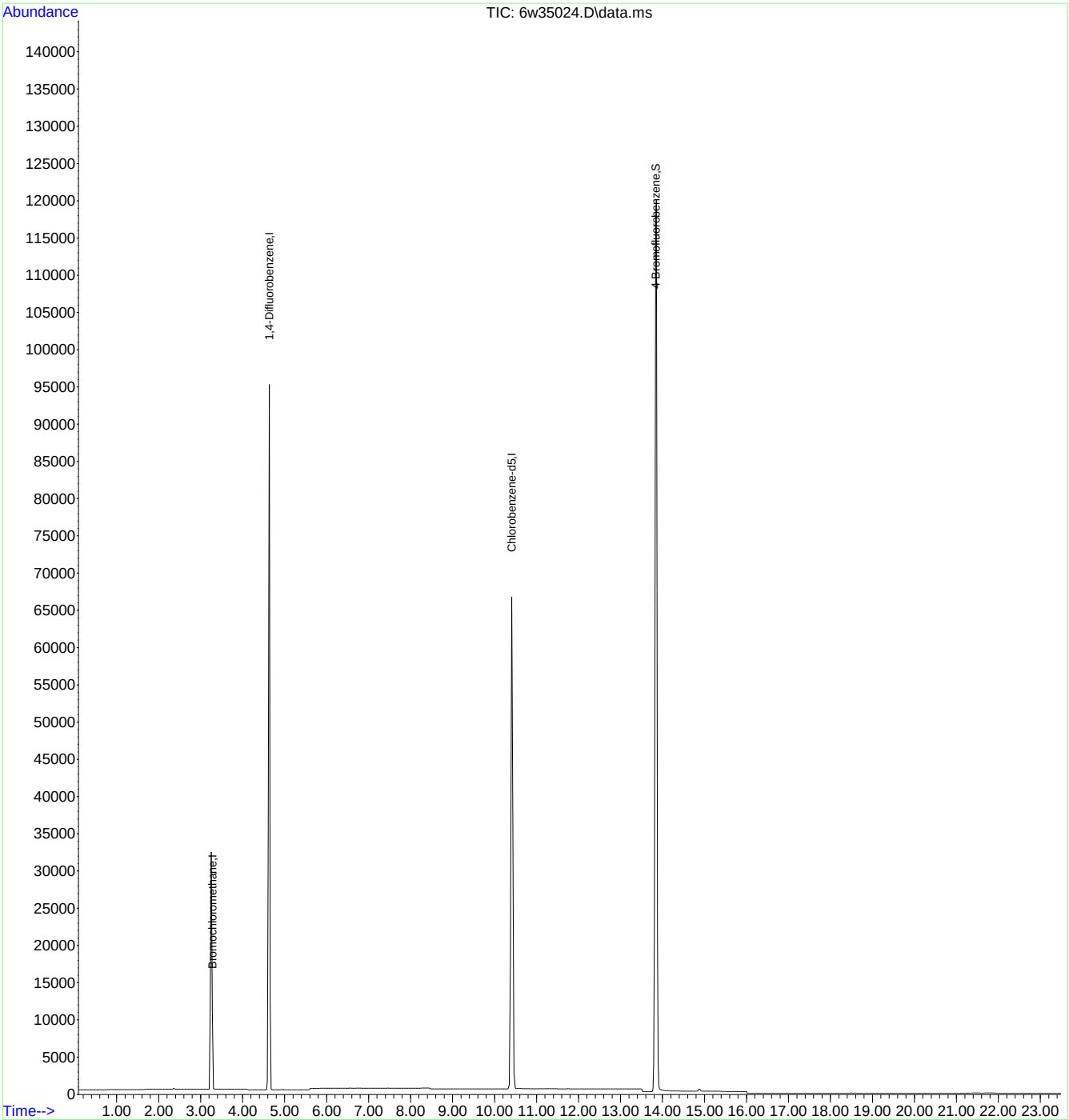
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27340	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	149850	10.00	ppb(v	# 0.00
25) Chlorobenzene-d5	10.406	82	65623	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	96959	10.03	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35024.D
Acq On : 26 Feb 2025 9:34 am
Operator : thomash
Sample : scc(a1711),cp13012
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 26 13:43:03 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35025.D
Acq On : 26 Feb 2025 10:16 am
Operator : thomash
Sample : scc(a1579),cp13012
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 26 13:43:29 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

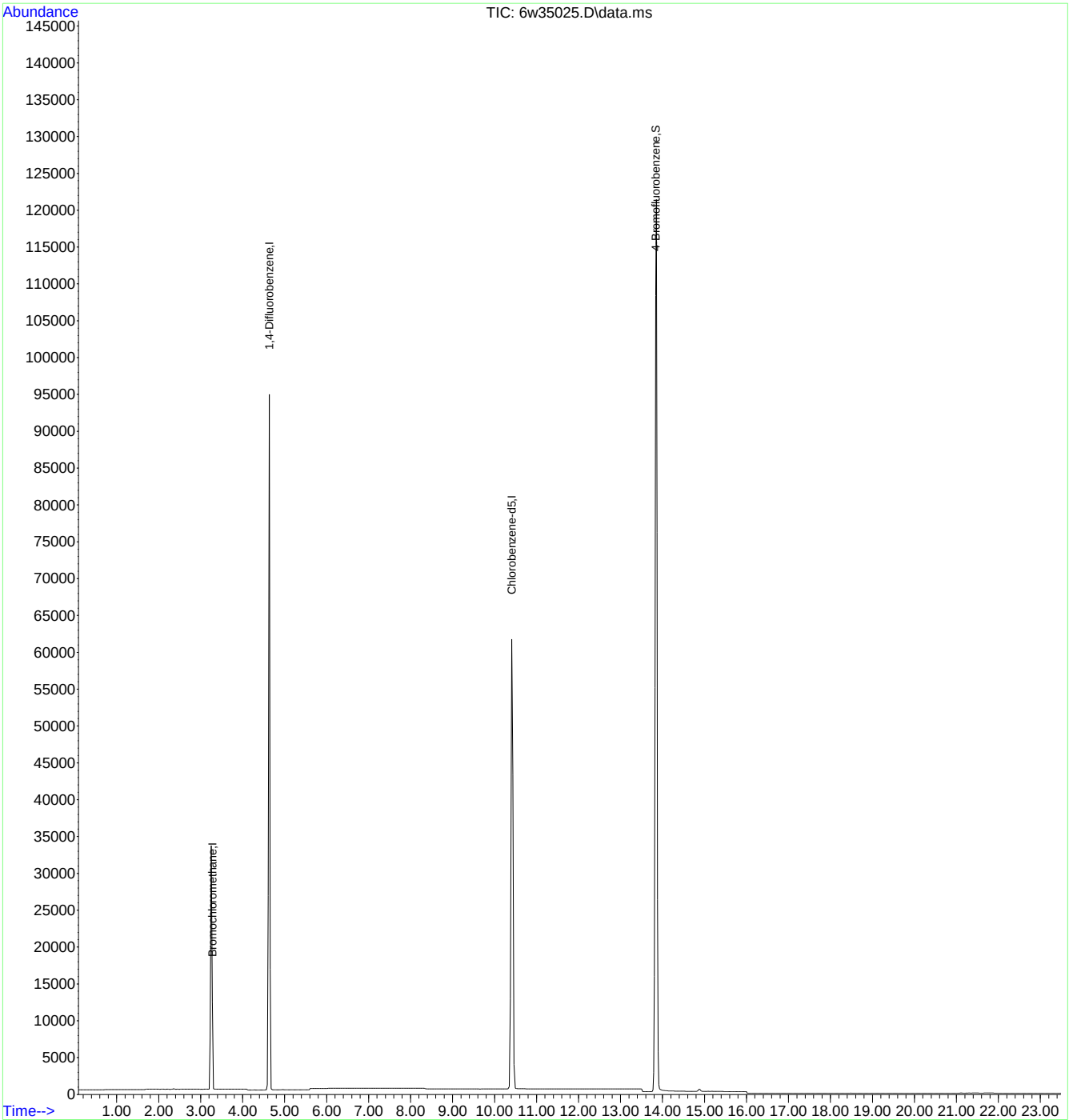
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27070	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	146381	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	64426	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	94457	9.95	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35025.D
Acq On : 26 Feb 2025 10:16 am
Operator : thomash
Sample : scc(a1579),cp13012
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 9 Sample Multiplier: 1

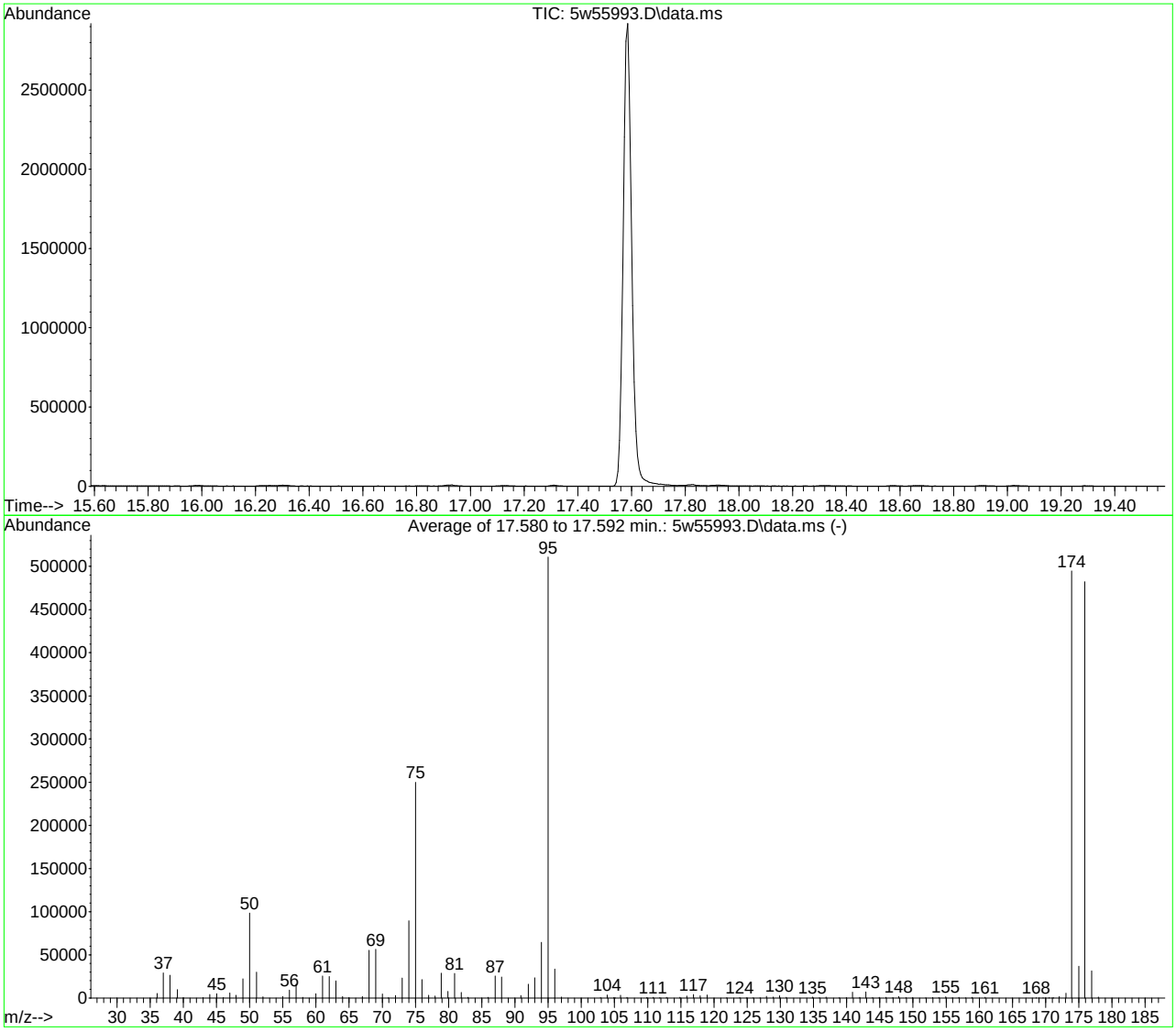
Quant Time: Feb 26 13:43:29 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\5w55993.D Vial: 2
Acq On : 8 Jan 2025 11:56 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88386,V5W2144,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.3	98517	PASS
75	95	30	66	48.9	249792	PASS
95	95	100	100	100.0	510763	PASS
96	95	5	9	6.6	33464	PASS
173	174	0.00	2	1.1	5620	PASS
174	95	50	120	96.9	494933	PASS
175	174	4	9	7.4	36869	PASS
176	174	93	101	97.4	482155	PASS
177	176	5	9	6.5	31496	PASS

5w55993.D M5w2125.M Thu Jan 09 17:15:00 2025

Average of 17.580 to 17.592 min.: 5w55993.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	5216	49.00	22128	63.00	19896	75.00	249792
37.00	29176	50.00	98517	64.00	1807	76.00	21245
38.00	26496	51.05	30000	65.00	558	77.00	3117
39.10	9646	52.00	1393	67.00	1520	77.95	2290
40.00	412	55.00	1621	68.00	55309	78.90	28645
43.00	343	56.00	9136	69.00	56520	79.90	7564
44.00	4044	57.00	15952	70.00	4652	80.90	28453
45.05	5070	58.00	723	70.90	69	81.90	6328
46.05	414	60.00	4815	72.00	2801	82.90	707
47.00	5712	61.00	25477	73.00	23098	85.95	630
47.95	3052	62.00	24984	74.00	89389	87.00	25539

Average of 17.580 to 17.592 min.: 5w55993.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	24331	105.10	181	118.95	3367	135.90	169
90.90	2766	105.90	3174	121.90	84	136.90	1122
92.00	15808	106.90	632	123.90	396	138.85	202
93.00	23531	109.85	573	124.90	231	139.95	478
94.00	64435	110.85	747	125.85	304	140.90	6607
95.00	510763	111.85	561	126.95	154	141.95	843
96.00	33464	112.85	774	127.90	2009	142.90	6930
97.00	985	114.85	680	128.90	1052	143.90	367
102.90	327	115.90	2171	129.90	2432	144.90	668
103.90	3310	116.90	3987	130.90	703	145.90	886
104.90	600	117.90	2415	134.85	1199	146.95	414

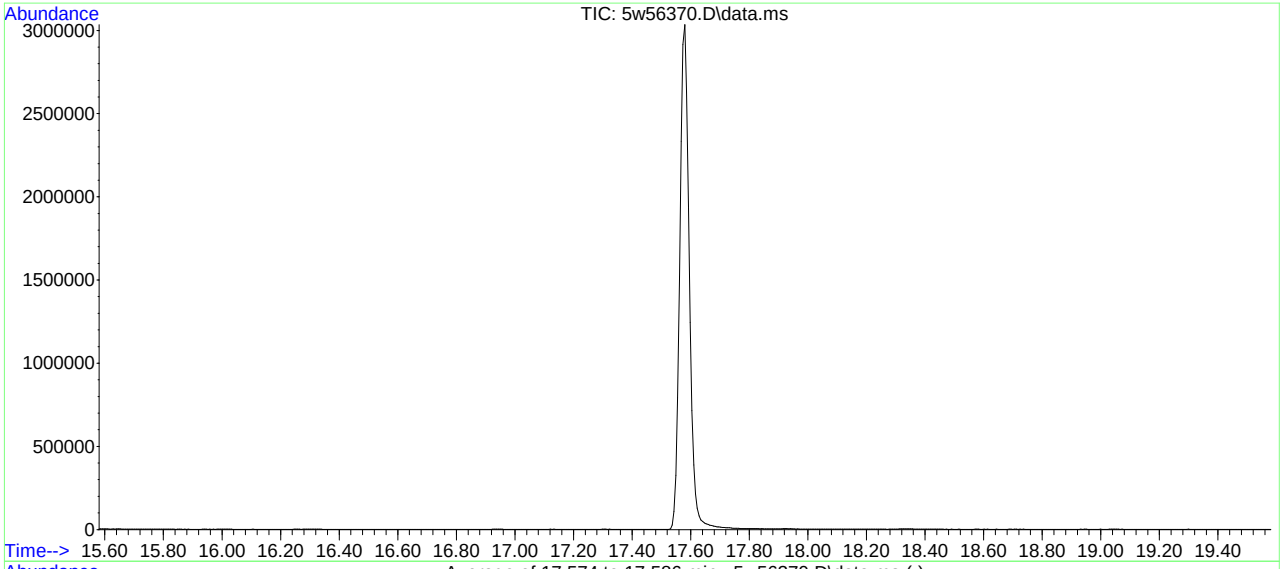
Average of 17.580 to 17.592 min.: 5w55993.D\data.ms
bfb
Modified:subtracted

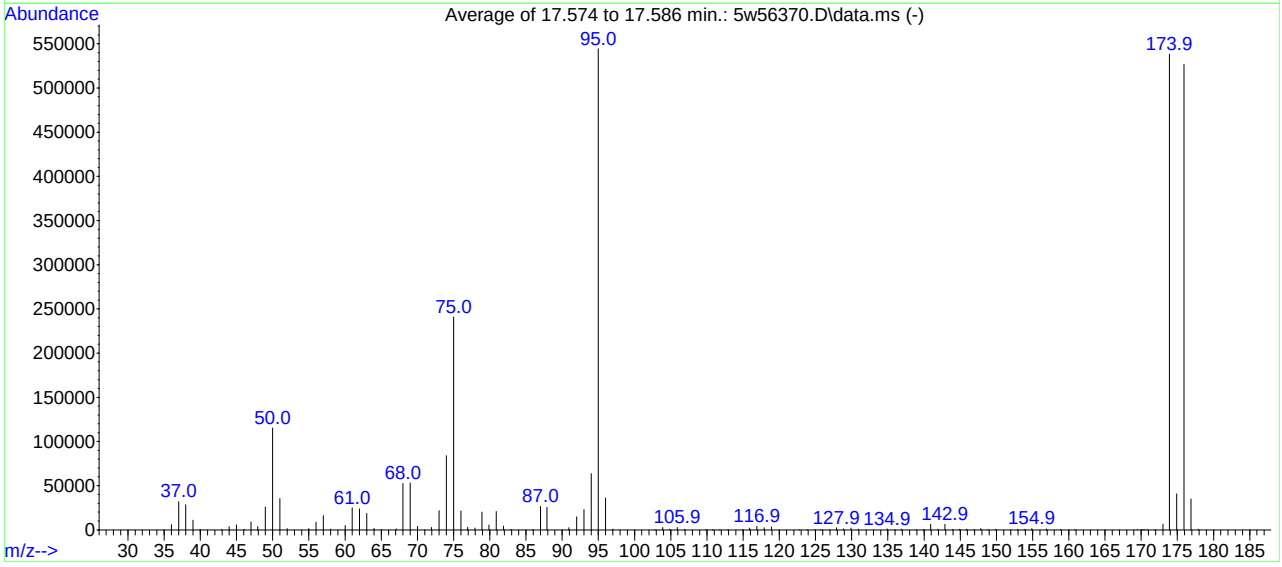
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	1586	160.85	668	175.00	36869		
148.95	378	168.55	187	175.90	482155		
149.95	562	169.05	159	176.95	31496		
151.90	256	169.60	187	177.95	988		
152.95	400	170.00	126				
153.90	396	170.55	346				
154.95	1406	171.00	246				
155.95	297	171.20	209				
156.90	822	172.05	1749				
157.90	67	173.05	5620				
158.90	790	173.90	494933				

BFB

Data File : X:\Dayton VOA GCMS\l...025\v5w2159\5w56370.D Vial: 1
Acq On : 24 Jan 2025 8:54 am Operator: williamc
Sample : bfb Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 2368, 2369, 2370; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.2	115232	PASS
75	95	30	66	44.3	240939	PASS
95	95	100	100	100.0	544256	PASS
96	95	5	9	6.6	35917	PASS
173	174	0.00	2	1.2	6519	PASS
174	95	50	120	98.9	538304	PASS
175	174	4	9	7.6	40824	PASS
176	174	93	101	97.9	526741	PASS
177	176	5	9	6.7	35160	PASS

5w56370.D M5w2144.M Mon Jan 27 04:14:23 2025

Average of 17.574 to 17.586 min.: 5w56370.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	5977	49.00	25957	63.00	18475	75.00	240939
37.00	31949	50.00	115232	64.00	1604	76.00	21413
38.00	28291	51.00	35373	65.05	217	76.95	3013
39.00	10843	52.00	1456	67.05	1221	77.95	2194
39.95	464	55.00	1538	68.00	52461	78.90	20312
42.95	260	56.00	8730	69.00	53037	79.90	5550
44.00	3577	57.00	16165	70.00	3998	80.90	20821
45.00	5611	58.00	702	71.00	155	81.90	4427
46.10	396	60.00	4968	71.95	2650	82.95	449
47.00	9076	61.00	24875	73.00	21789	85.95	638
47.95	3549	62.00	23795	74.00	84029	87.00	26448

Average of 17.574 to 17.586 min.: 5w56370.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.90	25491	105.90	2810	122.80	78	135.95	144
90.90	2265	106.90	599	123.85	406	136.85	957
92.00	14636	109.85	342	124.90	152	138.95	205
93.00	22981	110.80	594	125.70	70	139.90	445
94.00	63557	111.80	383	125.95	161	140.90	6076
95.00	544256	112.90	602	126.90	68	141.90	800
96.00	35917	114.95	543	127.90	2401	142.90	6108
97.00	974	115.90	2119	128.85	1037	143.95	395
102.85	343	116.90	3904	129.90	2149	144.90	581
103.90	2628	117.90	2328	130.90	845	145.85	902
104.85	858	118.90	3244	134.90	1064	146.90	452

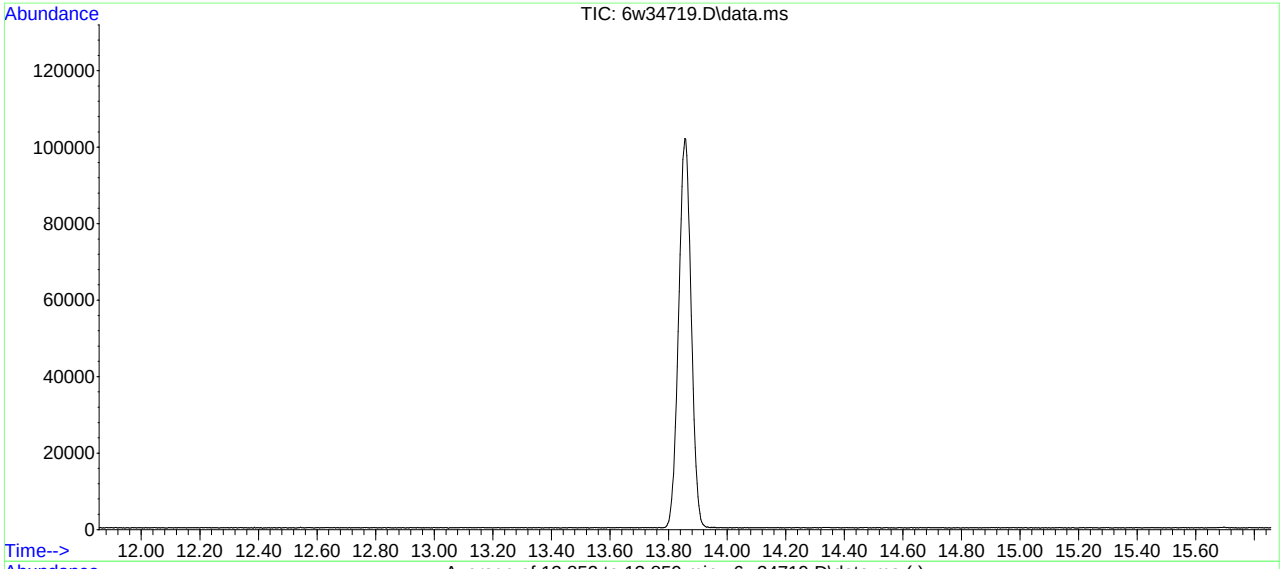
Average of 17.574 to 17.586 min.: 5w56370.D\data.ms
bfb
Modified:subtracted

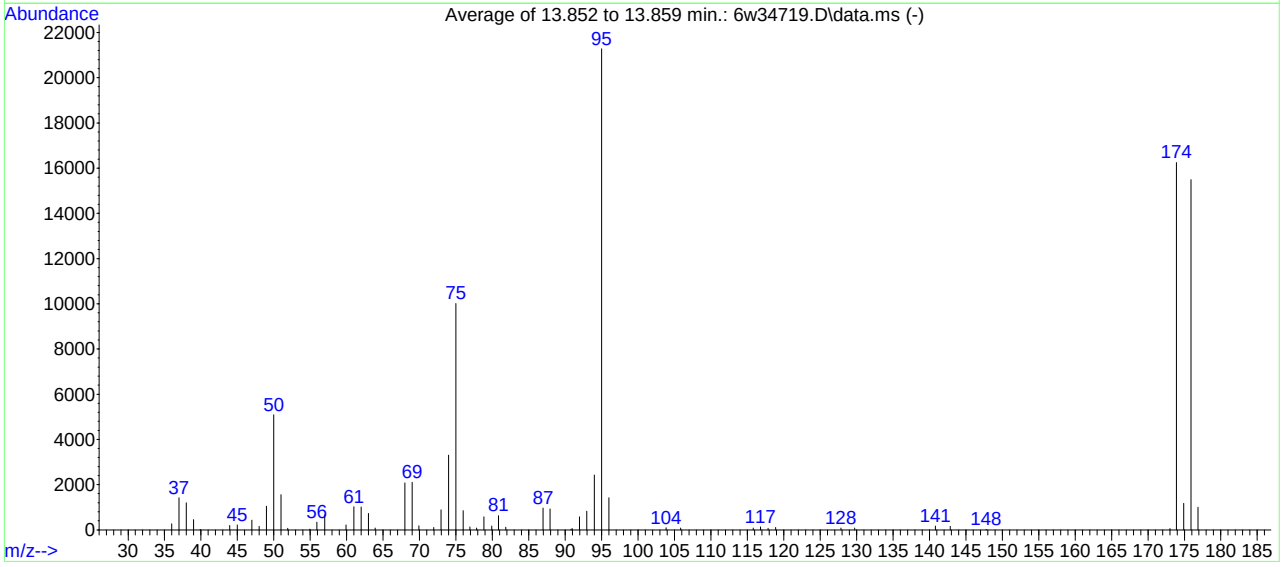
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	1507	170.10	89				
148.85	460	170.30	93				
149.90	482	170.50	167				
151.95	294	170.80	182				
152.90	431	171.90	428				
153.85	369	173.00	6519				
154.90	1490	173.90	538304				
156.90	1083	174.90	40824				
158.85	628	175.90	526741				
160.85	609	176.90	35160				
169.50	72	177.90	871				

BFB

Data File : C:\msdchem\1\data\6w\6w34719.D Vial: 3
Acq On : 29 Jan 2025 7:24 pm Operator: benk
Sample : bfb Inst : GCMS6W
Misc : MS80372,v6w1441,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6Wbfb.M (RTE Integrator)
Title : TO-15 SIM Mode





AutoFind: Scans 4281, 4282, 4283; Background Corrected with Scan 4257

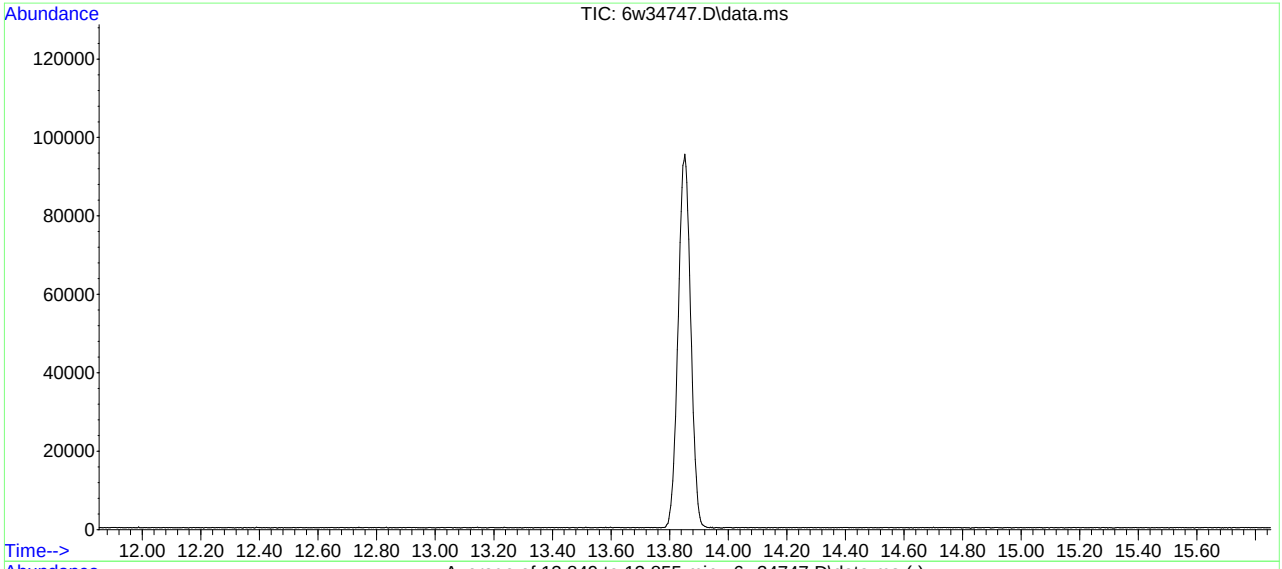
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.9	5095	PASS
75	95	30	66	47.0	10009	PASS
95	95	100	100	100.0	21275	PASS
96	95	5	9	6.6	1414	PASS
173	174	0.00	2	0.4	61	PASS
174	95	50	120	76.4	16246	PASS
175	174	4	9	7.2	1170	PASS
176	174	93	101	95.3	15489	PASS
177	176	5	9	6.4	993	PASS

6w34719.D M6Wbfb.M Thu Jan 30 17:50:04 2025

BFB

Data File : C:\msdchem\1\data\6w\6w34747.D Vial: 2
Acq On : 30 Jan 2025 4:13 pm Operator: benk
Sample : bfb Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6Wbfb.M (RTE Integrator)
Title : TO-15 SIM Mode



AutoFind: Scans 4280, 4281, 4282; Background Corrected with Scan 4256

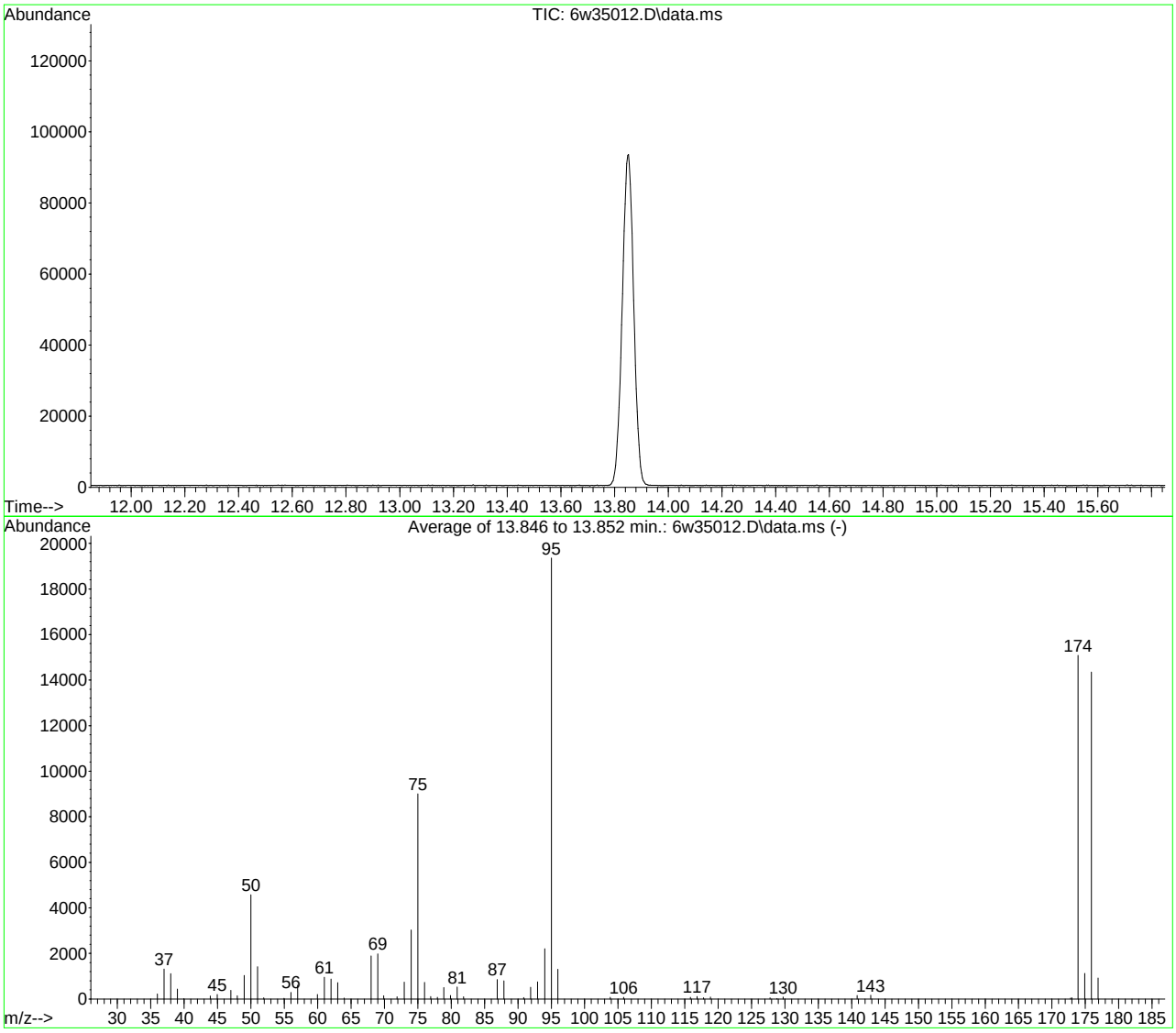
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.9	4726	PASS
75	95	30	66	46.2	9122	PASS
95	95	100	100	100.0	19736	PASS
96	95	5	9	6.3	1245	PASS
173	174	0.00	2	0.3	50	PASS
174	95	50	120	77.7	15339	PASS
175	174	4	9	7.2	1108	PASS
176	174	93	101	95.8	14701	PASS
177	176	5	9	6.3	932	PASS

6w34747.D M6Wbfb.M Fri Jan 31 13:10:08 2025

BFB

Data File : C:\msdchem\1\DATA\6w35012.D Vial: 2
Acq On : 25 Feb 2025 11:58 am Operator: thomash
Sample : bfb Inst : GCMS6W
Misc : MS80372,v6w1452,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : Z:\Dayton\MSAIR_Methods\M8wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4279, 4280, 4281; Background Corrected with Scan 4254

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.6	4574	PASS
75	95	30	66	46.5	9010	PASS
95	95	100	100	100.0	19357	PASS
96	95	5	9	6.7	1305	PASS
173	174	0.00	2	0.4	56	PASS
174	95	50	120	77.9	15083	PASS
175	174	4	9	7.5	1125	PASS
176	174	93	101	95.2	14352	PASS
177	176	5	9	6.4	918	PASS

6w35012.D M8wbfb.M Wed Feb 26 13:56:03 2025

Average of 13.846 to 13.852 min.: 6w35012.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	215	51.00	1415	69.00	1980	80.90	529
37.00	1316	51.90	46	69.90	137	81.85	94
38.00	1112	54.95	34	71.90	98	86.90	856
39.00	439	56.00	283	72.95	738	87.90	799
39.95	1	57.00	608	74.00	3026	90.85	68
43.90	132	59.95	199	75.00	9010	91.90	512
44.95	203	61.00	954	76.00	727	92.95	748
47.00	374	62.00	872	76.95	108	94.00	2200
47.95	146	63.00	716	77.95	74	95.00	19357
49.00	1033	63.95	37	78.90	500	96.00	1305
50.00	4574	68.00	1890	79.90	150	103.85	73

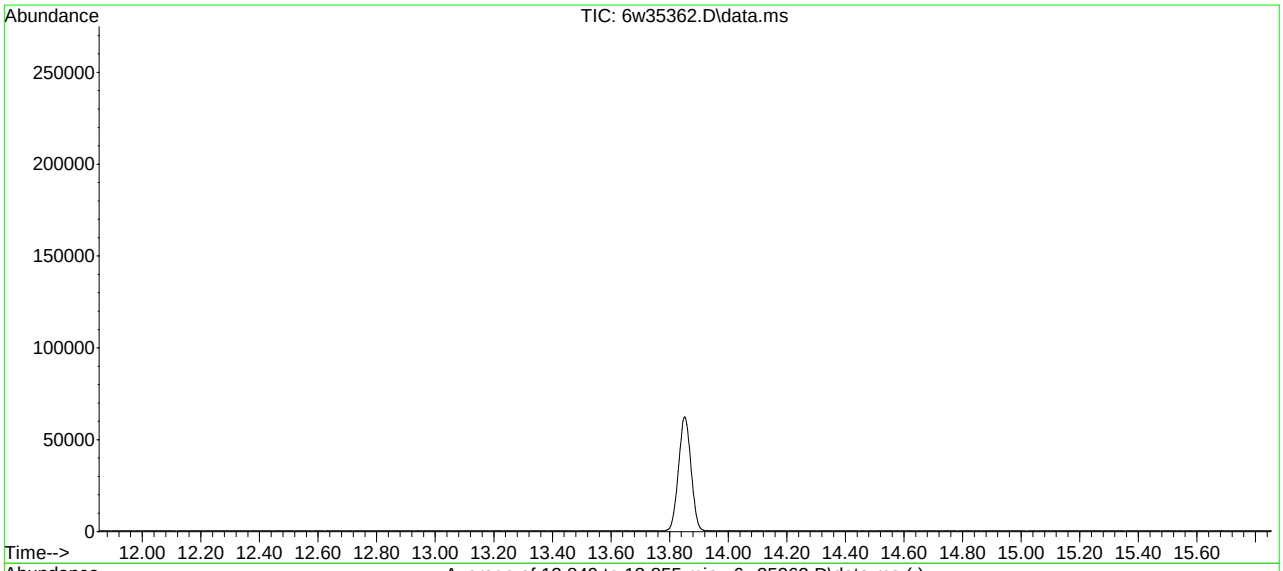
Average of 13.846 to 13.852 min.: 6w35012.D\data.ms
bfb
Modified:subtracted

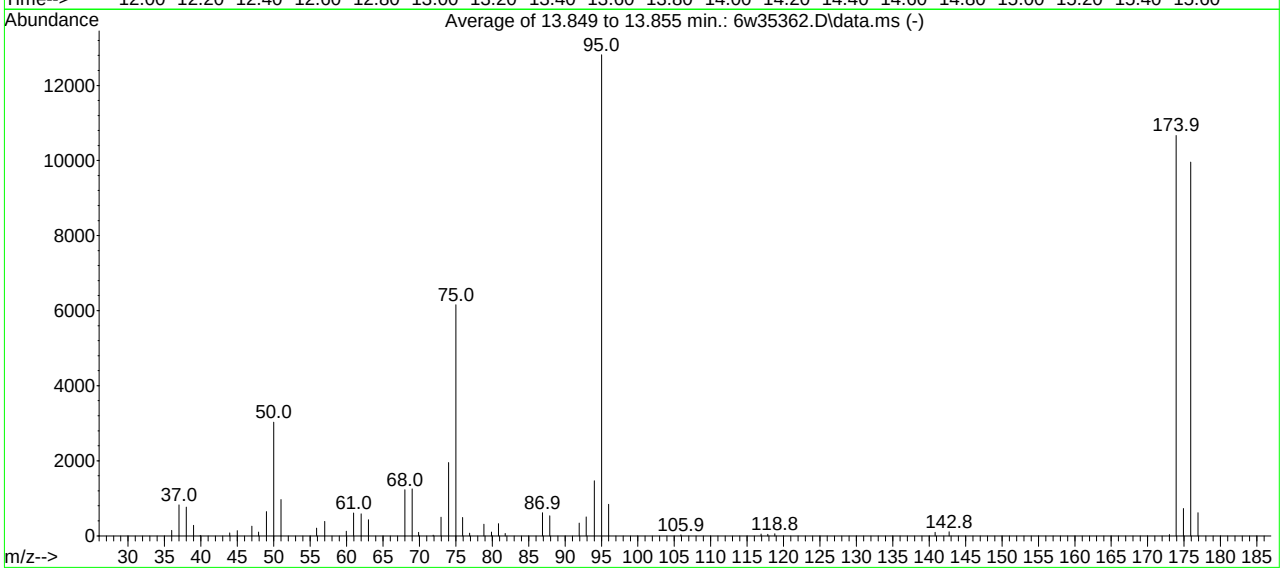
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.85	78	173.00	56				
115.85	77	173.90	15083				
116.85	112	174.90	1125				
117.80	46	175.90	14352				
118.85	90	176.90	918				
127.75	49						
128.80	17						
129.75	84						
140.80	147						
142.85	167						
172.80	41						

BFB

Data File : X:\Dayton VOA GCMS\l...025\v6w1468\6w35362.D Vial: 1
Acq On : 4 Apr 2025 3:48 pm Operator: benk
Sample : bfb Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\M6W1441.M (RTE Integrator)
Title : TO-15 SIM Mode





AutoFind: Scans 4280, 4281, 4282; Background Corrected with Scan 4258

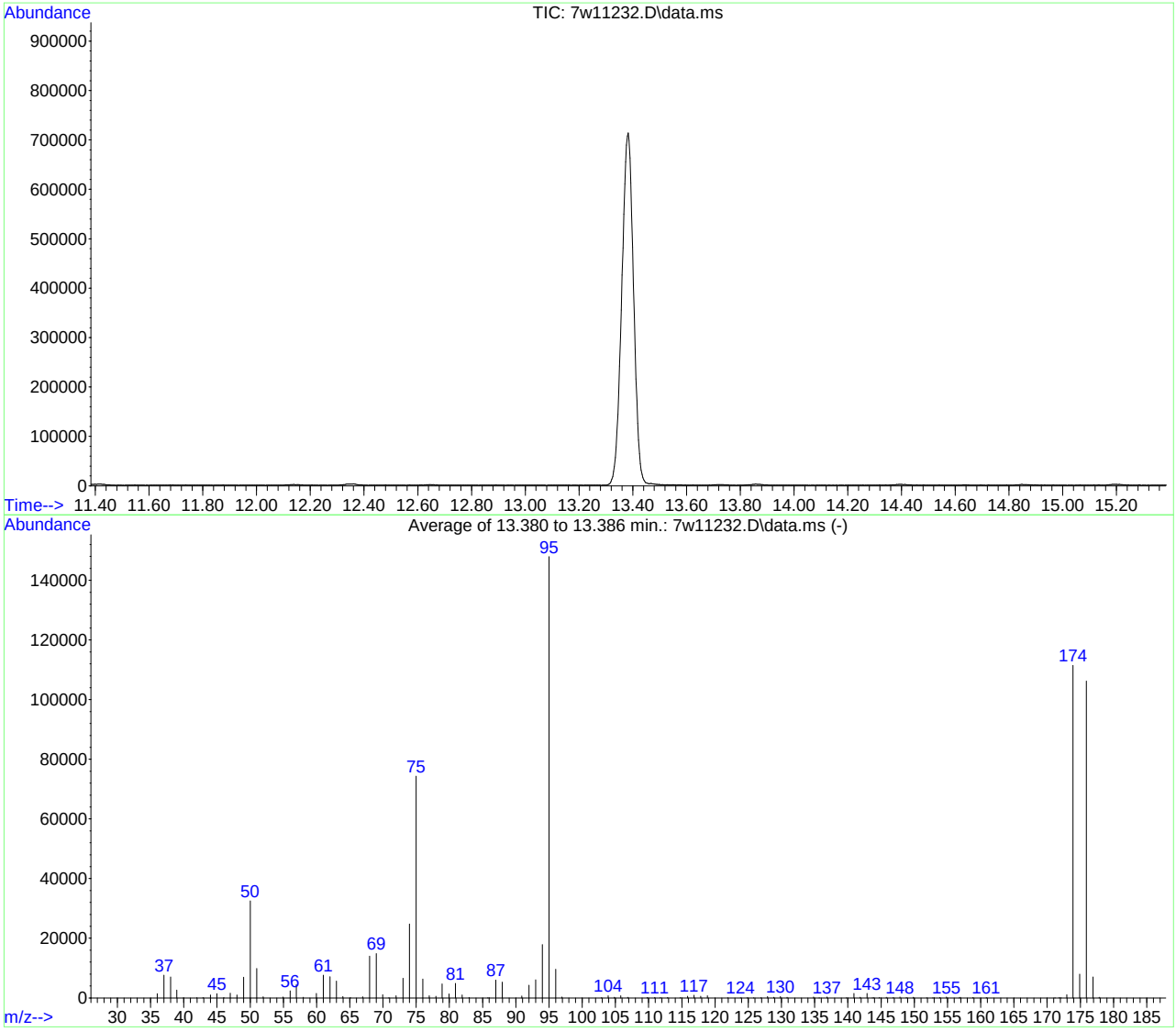
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.6	3025	PASS
75	95	30	66	48.0	6157	PASS
95	95	100	100	100.0	12815	PASS
96	95	5	9	6.6	840	PASS
173	174	0.00	2	0.3	37	PASS
174	95	50	120	83.3	10670	PASS
175	174	4	9	6.8	730	PASS
176	174	93	101	93.3	9957	PASS
177	176	5	9	6.2	614	PASS

6w35362.D M6W1441.M Mon Apr 07 01:19:23 2025

BFB

Data File : C:\msdchem\1\data\7w\7w11232.D Vial: 2
Acq On : 28 Dec 2024 8:40 am Operator: benk
Sample : bfb Inst : MS7W
Misc : MS74014,v7w405,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	32515	PASS
75	95	30	66	50.3	74333	PASS
95	95	100	100	100.0	147925	PASS
96	95	5	9	6.5	9647	PASS
173	174	0.00	2	1.0	1064	PASS
174	95	50	120	75.4	111515	PASS
175	174	4	9	7.1	7970	PASS
176	174	93	101	95.3	106229	PASS
177	176	5	9	6.6	7045	PASS

7w11232.D M7Wbfb.M Sun Dec 29 09:54:16 2024

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1402	48.00	1003	62.00	7132	74.00	24797
37.00	7618	49.00	6981	63.00	5659	75.00	74333
38.00	7021	50.00	32515	63.95	501	76.00	6343
38.95	2652	51.00	9850	65.10	21	76.95	767
39.95	34	51.95	394	66.95	355	77.95	553
41.95	51	54.95	341	68.00	14030	78.90	4693
42.90	121	56.00	2407	69.00	14907	79.95	1349
44.00	960	56.95	4434	69.95	1121	80.90	4870
45.00	1405	58.00	213	70.90	64	81.90	1038
46.05	107	59.95	1473	71.95	697	82.95	148
47.00	1628	61.00	7603	73.00	6600	85.80	39

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	47	103.90	740	117.85	530	134.85	277
87.00	5962	104.85	212	118.85	720	135.70	37
87.95	5322	105.80	715	121.90	17	136.85	295
90.90	618	106.85	200	123.85	67	139.80	94
92.00	4261	109.80	117	124.80	67	140.90	1504
93.00	6046	110.90	151	125.80	39	141.85	239
94.00	17907	111.75	118	126.90	18	142.90	1536
95.00	147925	112.85	148	127.90	473	143.70	19
96.00	9647	114.80	171	128.85	243	143.90	76
96.95	279	115.85	570	129.85	477	144.75	129
102.85	95	116.85	884	130.85	240	145.80	187

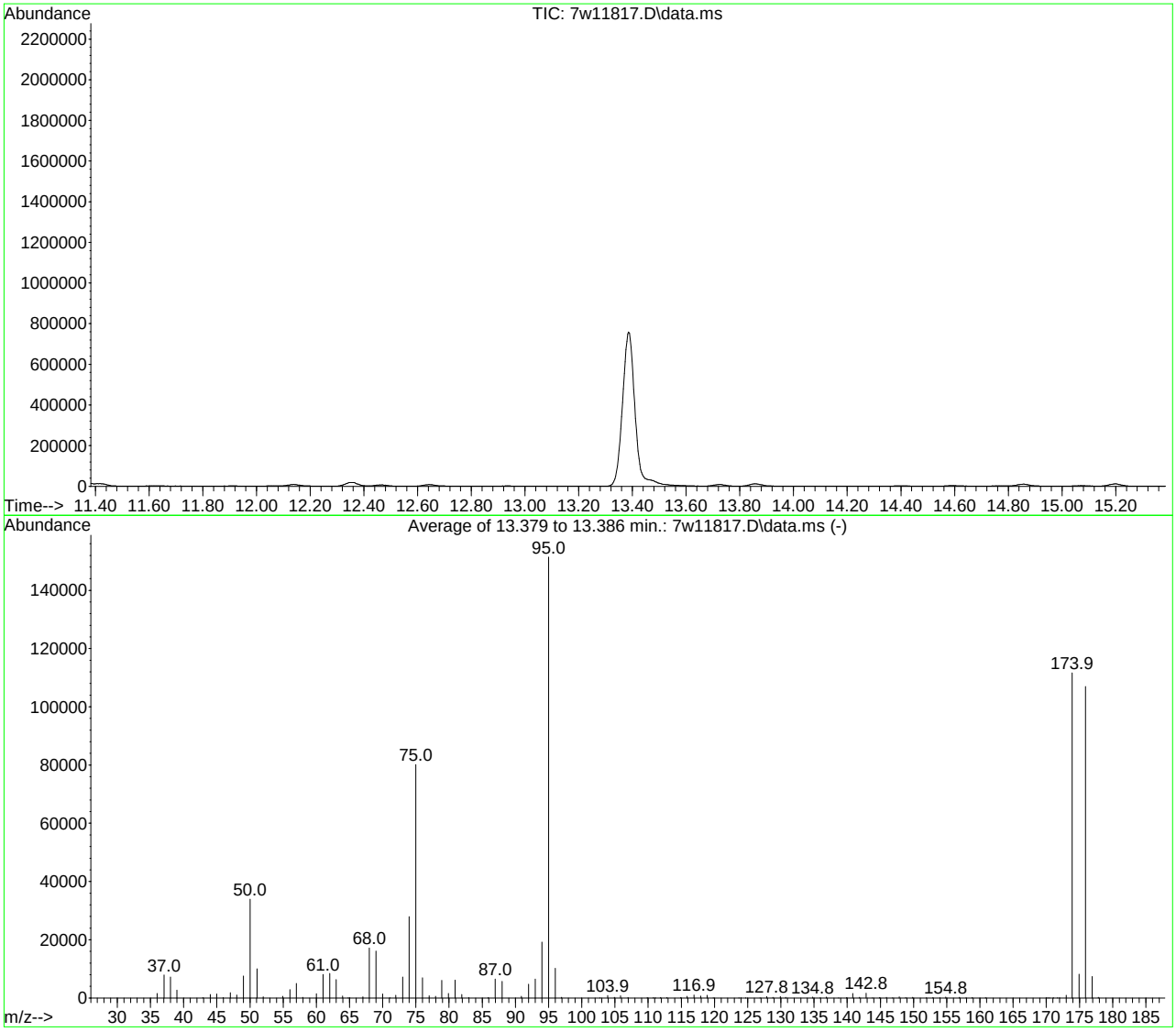
Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.85	96	158.85	148				
147.85	305	160.85	155				
148.80	105	171.20	18				
149.85	199	171.85	97				
151.85	46	172.10	38				
152.80	64	172.95	1064				
153.00	25	173.90	111515				
153.85	111	174.90	7970				
154.85	351	175.90	106229				
156.80	83	176.90	7045				
156.95	193	177.85	185				

BFB

Data File : X:\Dayton VOA GCMS\r...7-25\v7w423\7w11817.D Vial: 1
Acq On : 16 Jan 2025 10:57 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS88809,v7w423,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.4	33917	PASS
75	95	30	66	53.0	80197	PASS
95	95	100	100	100.0	151424	PASS
96	95	5	9	6.7	10159	PASS
173	174	0.00	2	0.8	931	PASS
174	95	50	120	73.7	111621	PASS
175	174	4	9	7.3	8175	PASS
176	174	93	101	95.9	107029	PASS
177	176	5	9	6.9	7387	PASS

7w11817.D M7W405.M Thu Jan 16 22:51:40 2025

Average of 13.379 to 13.386 min.: 7w11817.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1523	50.00	33917	63.95	639	75.00	80197
37.05	7884	51.05	10021	64.80	23	76.00	6891
38.00	7180	52.00	401	65.05	55	77.00	745
39.00	2677	54.95	564	67.00	419	77.95	585
42.90	142	56.00	2861	68.00	17200	78.90	6013
44.00	1170	57.00	4984	69.00	16073	79.90	1518
45.00	1383	57.95	193	70.00	1332	80.90	6116
45.95	105	60.00	1416	71.10	90	81.90	1225
47.05	1769	61.00	8053	71.95	930	82.95	146
48.00	1012	62.00	8394	73.00	7211	85.90	168
49.00	7522	63.00	6296	74.00	27955	86.95	6521

Average of 13.379 to 13.386 min.: 7w11817.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	5727	105.85	723	118.90	914	135.90	25
90.90	600	106.95	160	119.80	20	136.85	299
92.00	4703	109.85	102	123.70	37	138.70	17
93.00	6500	110.80	156	124.00	56	139.90	123
94.00	19168	111.10	47	124.70	17	140.85	1544
95.00	151424	111.85	143	126.85	45	141.85	230
96.00	10159	112.80	154	127.85	504	142.85	1676
96.95	271	114.90	127	128.80	228	143.80	17
102.75	75	115.85	560	129.90	500	144.85	96
103.90	826	116.90	1018	130.75	261	145.90	191
104.90	200	117.90	663	134.80	296	146.85	48

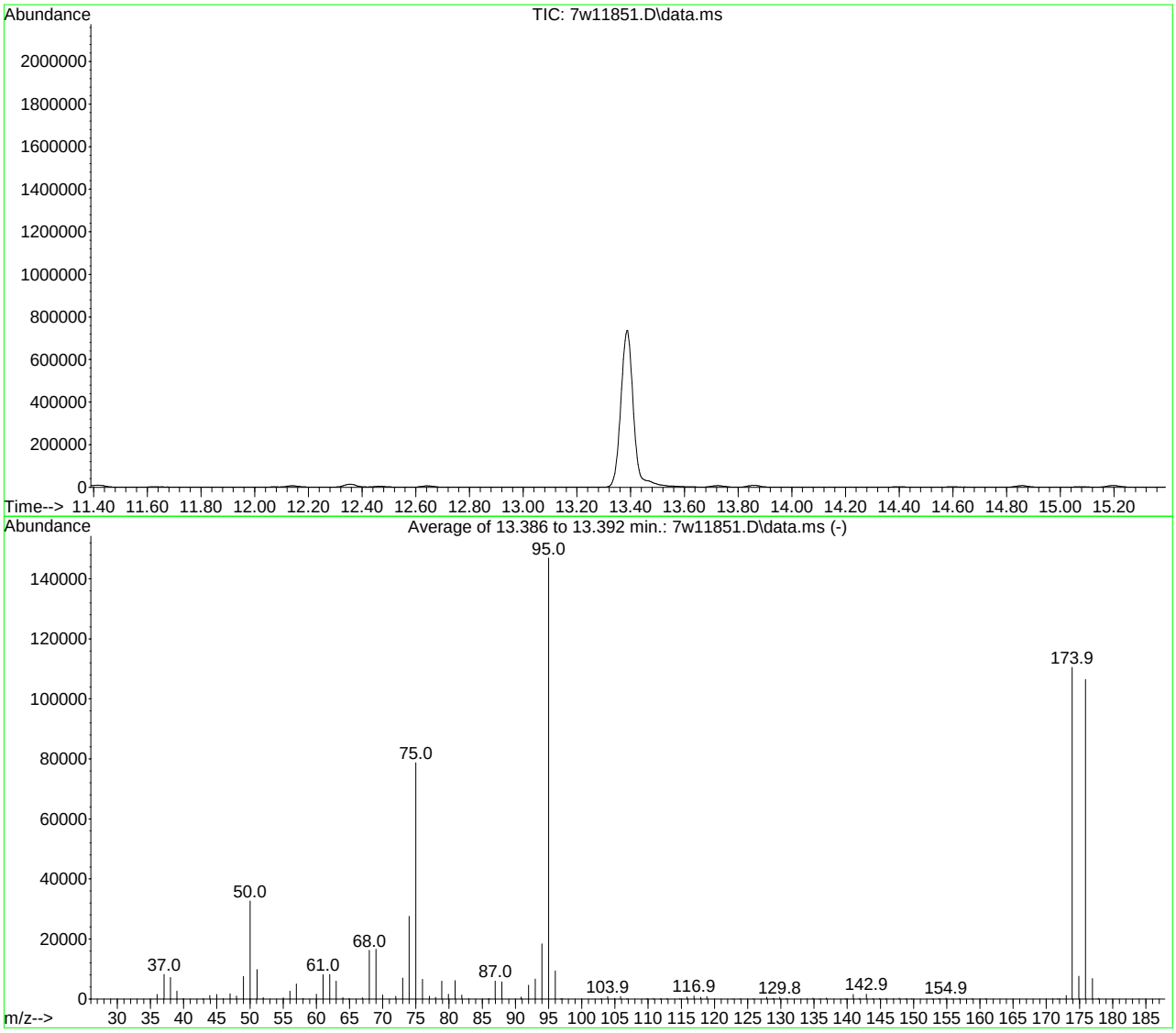
Average of 13.379 to 13.386 min.: 7w11817.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	411	170.00	29	177.85	187		
148.80	103	170.20	17				
149.85	201	170.50	18				
151.90	31	171.10	21				
152.90	100	171.70	86				
153.95	38	172.00	59				
154.85	332	173.00	931				
156.90	263	173.90	111621				
157.90	26	174.95	8175				
158.85	148	175.90	107029				
160.85	143	176.90	7387				

BFB

Data File : X:\Dayton VOA GCMS\k...2025\v7w424\7w11851.D Vial: 1
Acq On : 17 Jan 2025 11:56 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS88797,v7w424,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4136, 4137, 4138; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.2	32645	PASS
75	95	30	66	53.6	78712	PASS
95	95	100	100	100.0	146923	PASS
96	95	5	9	6.4	9367	PASS
173	174	0.00	2	1.0	1141	PASS
174	95	50	120	75.2	110456	PASS
175	174	4	9	6.9	7620	PASS
176	174	93	101	96.4	106501	PASS
177	176	5	9	6.4	6832	PASS

7w11851.D M7W405.M Mon Jan 20 04:49:23 2025

Average of 13.386 to 13.392 min.: 7w11851.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1498	49.00	7517	63.00	5963	76.00	6582
37.05	8200	50.00	32645	64.00	462	77.05	879
38.00	7157	51.05	9807	64.90	87	77.95	598
39.00	2596	52.00	467	66.95	355	78.90	5985
39.90	71	55.00	363	68.00	16255	79.90	1603
42.90	139	56.00	2661	69.00	16585	80.90	6092
43.95	1162	57.00	5028	70.00	1341	81.90	1358
45.00	1502	58.05	185	71.95	880	82.95	133
45.95	128	60.00	1605	73.00	6988	85.90	74
47.00	1720	61.00	8073	74.00	27493	86.10	91
47.95	967	62.00	8138	75.00	78712	86.95	5989

Average of 13.386 to 13.392 min.: 7w11851.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	5716	104.95	233	117.90	557	135.80	30
90.85	665	105.85	830	118.85	811	136.85	297
92.00	4621	106.80	139	122.70	32	139.70	29
93.00	6674	109.70	24	123.80	95	139.95	82
94.00	18349	109.90	54	125.85	45	140.90	1499
95.00	146923	110.80	176	127.85	564	141.85	187
96.00	9367	111.85	100	128.85	232	142.90	1561
96.85	128	112.80	139	129.85	569	143.85	106
97.10	77	114.80	160	130.85	178	144.85	109
102.90	89	115.85	650	133.90	19	145.85	181
103.90	846	116.90	1023	134.85	326	146.90	75

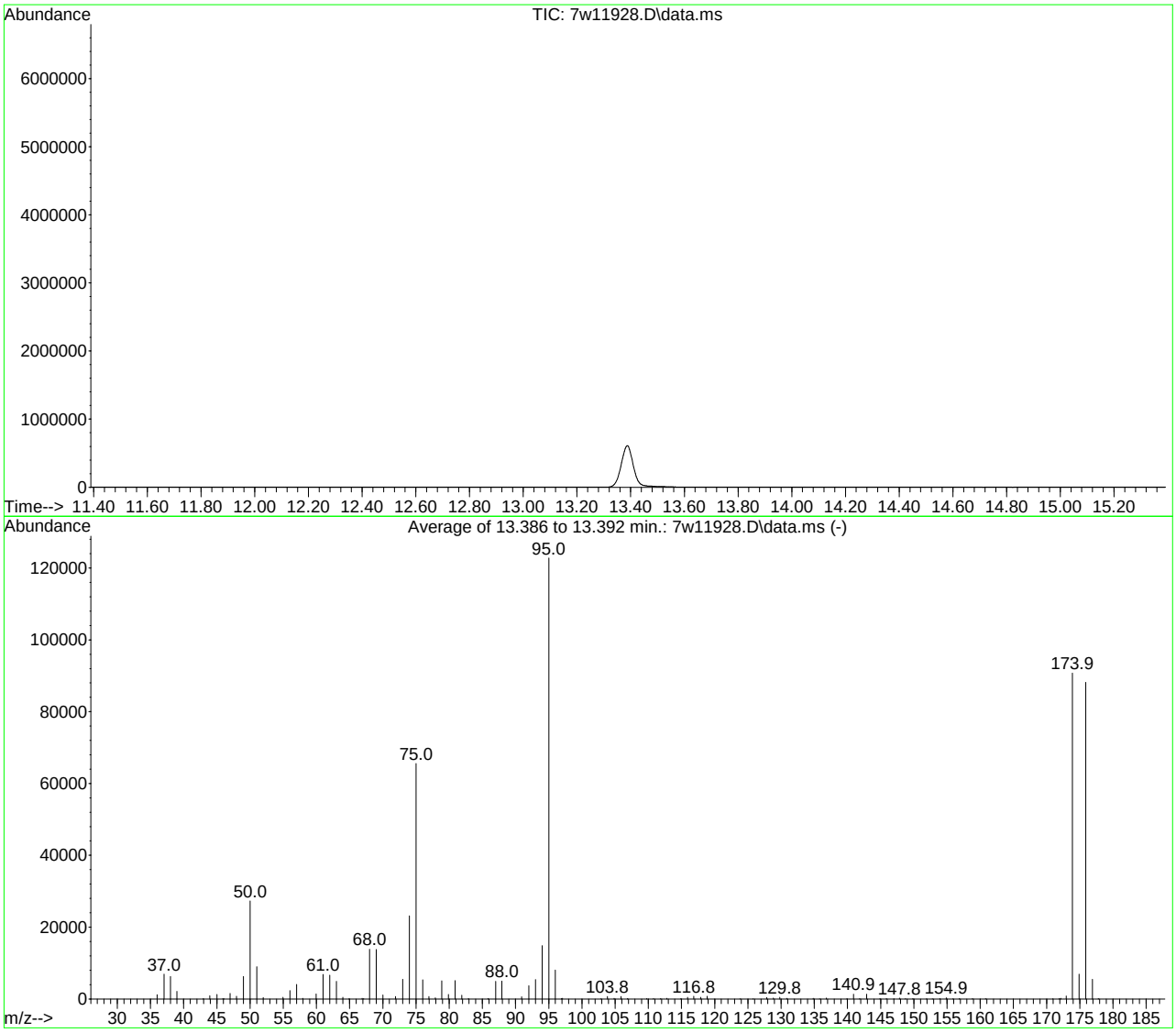
Average of 13.386 to 13.392 min.: 7w11851.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	334	171.70	81				
148.85	103	172.00	85				
149.75	107	173.00	1141				
152.85	93	173.90	110456				
153.85	103	174.90	7620				
154.90	347	175.90	106501				
155.80	38	176.95	6832				
156.95	220	177.85	181				
158.80	127						
160.85	171						
171.00	48						

BFB

Data File : X:\Dayton VOA GCMS\r...0-25\V7W426\7w11928.D Vial: 6
Acq On : 19 Jan 2025 10:14 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS88797,v7w426,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4136, 4137, 4138; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.2	27304	PASS
75	95	30	66	53.4	65576	PASS
95	95	100	100	100.0	122776	PASS
96	95	5	9	6.6	8083	PASS
173	174	0.00	2	0.9	831	PASS
174	95	50	120	73.9	90771	PASS
175	174	4	9	7.6	6917	PASS
176	174	93	101	97.1	88184	PASS
177	176	5	9	6.2	5501	PASS

7w11928.D M7W405.M Mon Jan 20 16:10:43 2025

Average of 13.386 to 13.392 min.: 7w11928.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1183	49.00	6255	63.00	4913	75.00	65576
37.05	6881	50.00	27304	64.00	462	76.00	5326
38.00	6255	51.00	8980	64.90	17	76.95	659
39.00	2133	52.00	401	66.90	217	77.90	340
42.95	78	54.95	451	67.10	120	78.90	5082
43.95	909	56.00	2298	68.00	13822	79.90	1282
45.00	1251	57.00	4046	69.00	13772	80.90	5146
45.90	81	57.95	167	70.00	1126	81.90	1025
46.10	58	59.95	1379	71.90	662	82.90	86
47.00	1545	61.00	6839	73.00	5497	85.85	133
47.95	788	62.00	6632	74.00	23123	87.00	4912

Average of 13.386 to 13.392 min.: 7w11928.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	5009	104.85	154	118.85	746	140.90	1358
90.90	585	105.90	676	123.80	59	141.85	124
92.00	3691	106.85	88	125.80	23	142.90	1348
93.00	5433	109.75	121	127.85	418	144.90	113
94.00	14853	110.75	140	128.85	228	145.85	141
95.00	122776	111.85	107	129.80	449	147.00	20
96.00	8083	112.80	170	130.85	182	147.85	265
96.90	98	114.90	127	134.85	202	148.75	94
97.05	150	115.90	474	135.80	21	149.85	141
102.85	72	116.85	765	136.80	222	151.90	71
103.85	695	117.90	486	139.90	72	152.80	69

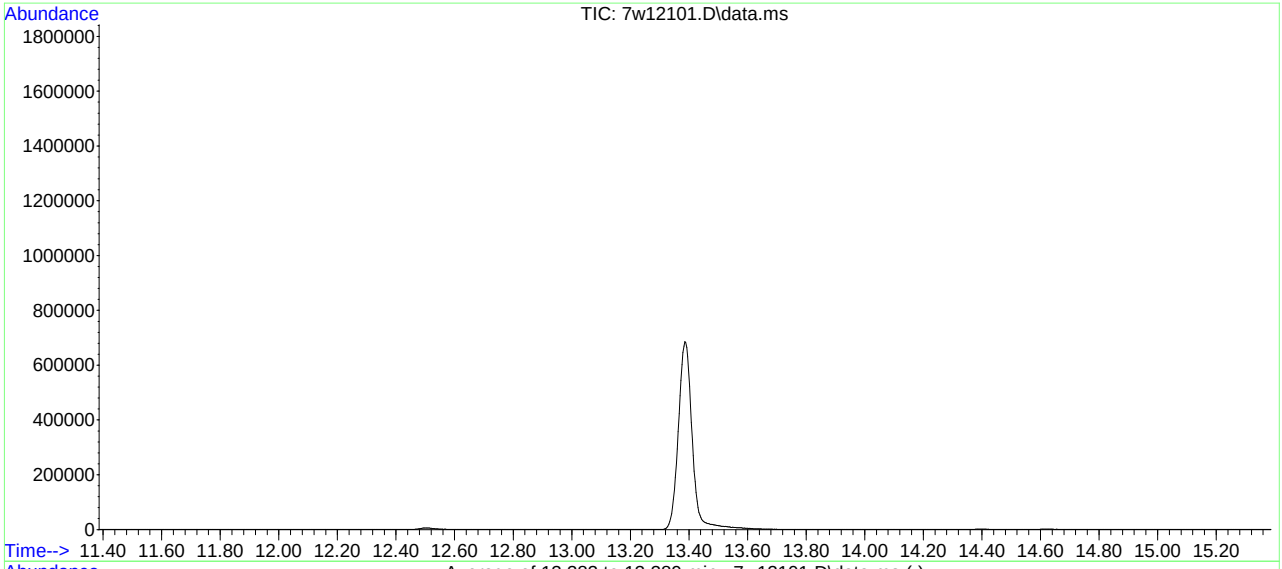
Average of 13.386 to 13.392 min.: 7w11928.D\data.ms
bfb
Modified:subtracted

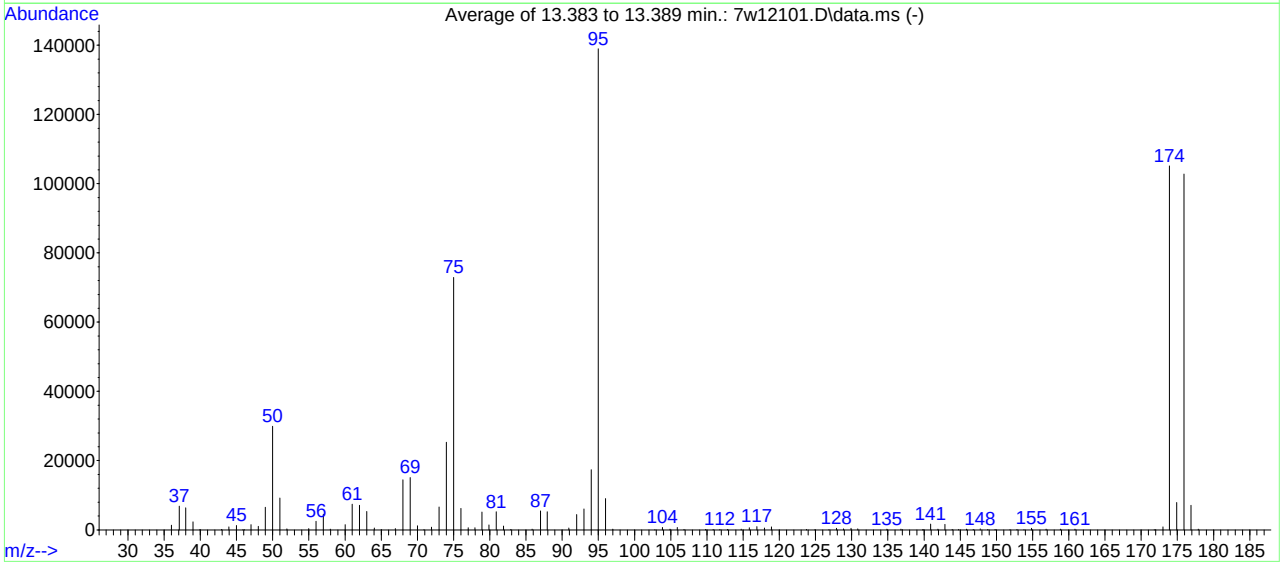
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.90	98	174.90	6917				
154.90	344	175.90	88184				
155.90	29	176.90	5501				
156.85	146	177.80	143				
158.85	135						
160.80	141						
170.95	43						
171.90	83						
172.15	185						
172.95	831						
173.90	90771						

BFB

Data File : C:\msdchem\1\data\7w\7w12101.D Vial: 1
Acq On : 25 Jan 2025 4:51 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS89017,v7w431,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4135, 4136, 4137; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.5	29899	PASS
75	95	30	66	52.5	72949	PASS
95	95	100	100	100.0	138944	PASS
96	95	5	9	6.5	9044	PASS
173	174	0.00	2	0.8	888	PASS
174	95	50	120	75.7	105128	PASS
175	174	4	9	7.5	7892	PASS
176	174	93	101	97.8	102816	PASS
177	176	5	9	6.9	7094	PASS

7w12101.D M7Wbfb.M Sun Jan 26 04:48:28 2025

Average of 13.383 to 13.389 min.: 7w12101.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1352	48.00	1016	62.00	7110	74.00	25288
37.10	6824	49.00	6480	63.00	5311	75.00	72949
38.00	6359	50.00	29899	64.05	538	76.00	6185
39.00	2325	51.00	9176	65.00	28	77.00	634
39.95	113	51.95	299	66.95	394	77.95	635
42.95	115	55.00	398	68.00	14468	78.90	5162
43.95	889	56.00	2484	69.00	15119	79.90	1408
45.00	1289	57.00	4482	70.00	1136	80.90	5217
45.90	85	57.95	201	70.90	25	81.90	1065
46.10	49	60.00	1535	71.95	737	82.90	133
47.00	1495	61.00	7403	73.00	6589	85.85	189

Average of 13.383 to 13.389 min.: 7w12101.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	5462	104.90	204	118.90	841	139.80	26
87.95	5239	105.90	687	123.75	99	139.95	67
90.90	542	106.85	134	124.90	43	140.90	1684
92.00	4376	109.80	91	126.85	44	141.90	210
93.00	6019	110.85	109	127.90	481	142.90	1577
94.00	17384	111.80	149	128.85	286	143.90	90
95.00	138944	112.85	152	129.90	426	144.80	135
96.00	9044	114.75	181	130.85	255	145.85	191
97.00	227	115.85	576	134.85	241	146.80	101
102.80	64	116.90	969	136.80	185	147.75	308
103.85	724	117.95	565	137.00	66	148.80	89

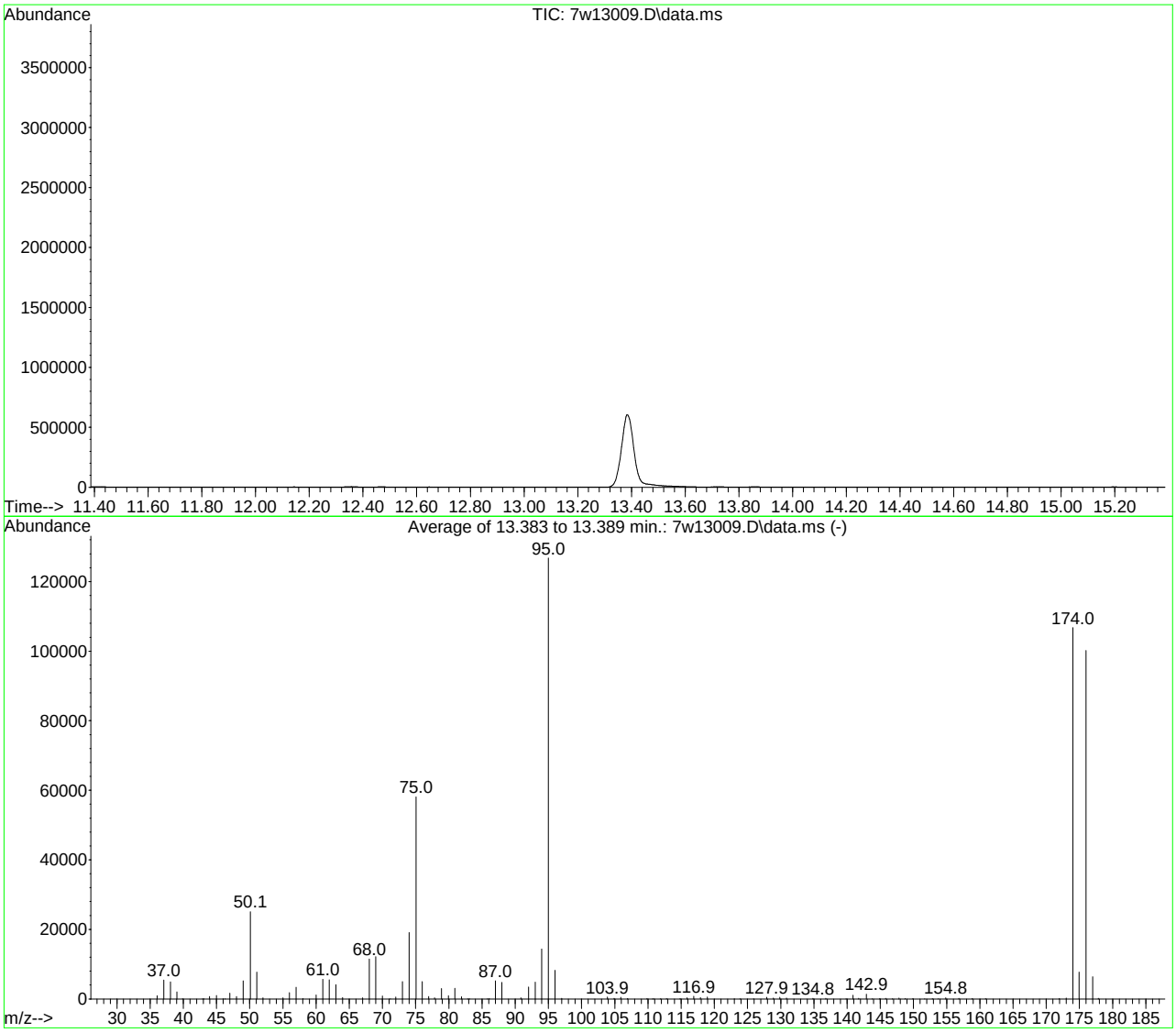
Average of 13.383 to 13.389 min.: 7w12101.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
149.80	138	173.90	105128				
151.85	53	174.90	7892				
152.85	111	175.90	102816				
153.80	26	176.90	7094				
154.85	410	177.90	216				
156.85	235						
158.85	169						
160.85	181						
171.80	48						
172.00	71						
173.00	888						

BFB

Data File : X:\Dayton VOA GCMS\C...5 NS\V7W459\7w13009.D Vial: 1
Acq On : 26 Feb 2025 9:08 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS89821,v7w459,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4135, 4136, 4137; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.8	25069	PASS
75	95	30	66	45.8	58075	PASS
95	95	100	100	100.0	126771	PASS
96	95	5	9	6.5	8208	PASS
173	174	0.00	2	0.3	302	PASS
174	95	50	120	84.2	106789	PASS
175	174	4	9	7.2	7707	PASS
176	174	93	101	93.8	100195	PASS
177	176	5	9	6.4	6392	PASS

7w13009.D M7W405.M Wed Feb 26 19:01:25 2025

Average of 13.383 to 13.389 min.: 7w13009.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	923	47.00	1667	61.00	5658	74.00	19120
37.05	5460	48.00	675	62.00	5536	75.05	58075
38.05	4945	49.00	5208	63.00	4125	76.00	4977
39.05	2058	50.10	25069	64.00	422	76.95	704
39.90	48	51.05	7717	67.00	331	77.85	346
42.90	22	52.00	319	68.00	11456	78.90	3026
43.10	54	55.00	313	69.00	12133	79.95	903
43.95	707	56.00	1826	70.00	817	80.90	3076
45.00	1008	57.00	3405	71.20	25	81.90	631
46.00	38	58.05	122	72.00	591	82.85	45
46.30	35	60.00	1133	73.00	4986	83.10	29

Average of 13.383 to 13.389 min.: 7w13009.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.80	54	103.90	546	116.90	787	136.80	203
86.10	81	104.90	171	117.90	421	139.85	70
87.00	5235	105.90	508	118.95	589	140.90	1107
88.00	4794	106.90	100	123.00	17	141.75	152
90.85	362	109.85	88	123.85	71	142.90	1377
92.00	3432	110.70	29	125.90	38	143.80	75
93.00	4830	110.85	55	127.90	478	144.90	98
94.00	14339	111.85	65	128.90	247	145.80	174
95.00	126771	112.80	98	129.85	468	146.80	37
96.00	8208	114.85	110	130.85	231	147.80	296
97.00	205	115.90	371	134.85	217	148.75	85

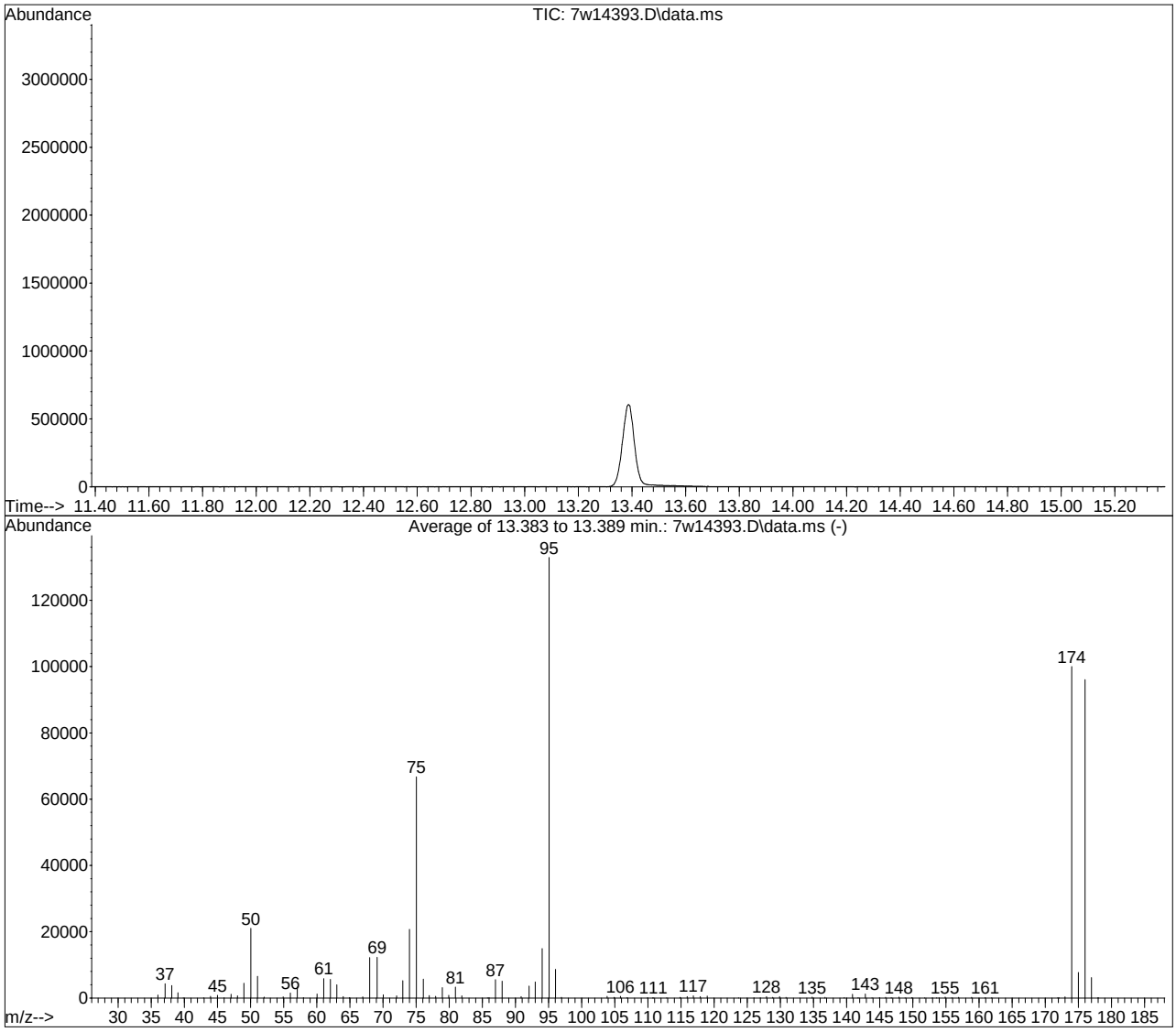
Average of 13.383 to 13.389 min.: 7w13009.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
149.90	118	174.95	7707				
151.70	27	176.00	100195				
152.85	92	177.00	6392				
153.75	52	177.85	177				
154.85	310						
156.85	209						
158.85	114						
160.85	138						
171.95	97						
173.00	302						
174.00	106789						

BFB

Data File : X:\Dayton VOA GCMS\g...2025\V7W501\7w14393.D Vial: 9
Acq On : 13 Apr 2025 1:57 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS91379,v7w501,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4135, 4136, 4137; Background Corrected with Scan 4108

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.8	21011	PASS
75	95	30	66	50.2	66693	PASS
95	95	100	100	100.0	132907	PASS
96	95	5	9	6.5	8647	PASS
173	174	0.00	2	0.4	362	PASS
174	95	50	120	75.3	100053	PASS
175	174	4	9	7.7	7702	PASS
176	174	93	101	96.1	96101	PASS
177	176	5	9	6.4	6176	PASS

7w14393.D M7W405.M Tue Apr 15 05:27:16 2025

Average of 13.383 to 13.389 min.: 7w14393.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	903	49.00	4436	63.05	4017	76.10	5660
37.10	4330	50.05	21011	64.00	432	77.00	759
38.10	3741	51.05	6584	64.95	108	77.95	540
39.05	1618	52.05	296	66.95	320	78.95	3156
39.85	69	54.95	326	68.00	12220	79.95	812
42.90	56	56.00	1525	69.10	12306	80.95	3264
43.95	479	57.05	3256	70.05	991	81.90	637
45.00	805	58.00	114	72.05	653	85.80	41
46.00	22	60.05	1180	73.00	5232	86.00	89
47.05	1125	61.05	5887	74.00	20717	87.00	5555
48.05	626	62.05	5650	75.05	66693	88.00	5103

Average of 13.383 to 13.389 min.: 7w14393.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.85	400	109.95	78	127.00	21	143.85	55
92.05	3594	110.70	30	127.90	466	144.95	127
93.00	4887	110.85	75	128.85	166	145.90	220
94.05	14902	112.85	65	129.90	401	146.75	83
95.10	132907	114.85	175	130.85	189	147.90	298
96.05	8647	115.95	447	134.80	255	148.85	51
96.95	209	116.85	672	136.75	189	149.85	134
103.85	518	117.90	431	139.65	94	151.80	17
104.90	212	118.95	605	140.90	1095	152.95	41
105.85	533	123.70	20	141.75	128	153.60	23
106.85	114	126.00	28	142.85	1217	153.95	65

Average of 13.383 to 13.389 min.: 7w14393.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
154.90	262	176.00	96101				
155.90	18	177.00	6176				
156.90	197	177.90	47				
158.90	164	178.05	78				
160.95	142						
161.90	17						
171.90	151						
172.10	76						
173.00	362						
174.00	100053						
175.00	7702						

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/09/25 21:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.644	128	443022	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1966418	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.334	82	923193	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.644	128	443463	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1175874	10.52	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.20%				
Target Compounds							Qvalue
3) FREON 152A	3.521	65	1853	0.06	PPBV		94
4) CHLORODIFLUOROMETHANE	3.552	67	447	0.03	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	3.582	116	2940	0.04	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.631	85	5942	0.04	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	6717	0.05	PPBV	#	83
9) FREON 114	3.815	85	8570	0.04	PPBV		97
10) CHLOROMETHANE	3.754	52	981	0.05	PPBV	#	37
11) VINYL CHLORIDE	3.906	62	2869	0.04	PPBV		88
12) 1,3-BUTADIENE	4.004	54	2362	0.05	PPBV	#	75
13) n-BUTANE	4.041	43	5303	0.06	PPBV	#	90
14) BROMOMETHANE	4.206	94	3514	0.05	PPBV		78
15) CHLOROETHANE	4.329	64	1493	0.05	PPBV	#	29
16) DICHLOROFLUOROMETHANE	4.396	67	6747	0.05	PPBV	#	65
19) FREON 123	4.708	83	7440	0.05	PPBV	#	71
20) FREON 123A	4.751	117	4122	0.05	PPBV	#	70
21) TRICHLOROFLUOROMETHANE	4.916	101	7933	0.05	PPBV		99
24) PENTANE	5.216	42	2198	0.06	PPBV		90
25) IODOMETHANE	5.393	142	5180	0.04	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.454	96	2020	0.05	PPBV		81
27) CARBON DISULFIDE	5.827	76	4602	0.04	PPBV		57
29) BROMOETHENE	4.598	106	3163	0.05	PPBV	#	85
30) ACRYLONITRILE	5.210	52	1055	0.05	PPBV	#	76
31) METHYLENE CHLORIDE	5.577	84	2150	0.06	PPBV		95
32) 3-CHLOROPROPENE	5.674	76	536	0.03	PPBV	#	1
33) FREON 113	5.797	151	3173	0.04	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.433	96	1776	0.04	PPBV		84
35) TERTIARY BUTYL ALCOHOL	5.626	59	2516	0.03	PPBV		75
36) METHYL TERTIARY BUTYL ...	6.770	73	3858	0.04	PPBV		89
38) HEXANE	7.681	57	2238	0.04	PPBV	#	78
40) 1,1-DICHLOROETHANE	6.623	63	3198	0.04	PPBV		92
42) cis-1,2-DICHLOROETHYLENE	7.485	96	2583	0.06	PPBV	#	63
46) CHLOROFORM	7.791	83	4452	0.05	PPBV		91
47) 2,4-DIMETHYLPENTANE	8.648	57	2367	0.03	PPBV	#	79
48) 1,1,1-TRICHLOROETHANE	8.856	97	4078	0.04	PPBV		89
49) CARBON TETRACHLORIDE	9.547	117	4441	0.04	PPBV		96
50) 1,2-DICHLOROETHANE	8.599	62	2140	0.03	PPBV	#	88
52) BENZENE	9.388	78	5101	0.04	PPBV		92
53) CYCLOHEXANE	9.682	84	1998	0.04	PPBV		91
54) 2,3-DIMETHYLPENTANE	9.975	71	799	0.03	PPBV	#	36
55) TRICHLOROETHYLENE	10.642	95	2695	0.04	PPBV		87
56) 1,2-DICHLOROPROPANE	10.355	63	2118	0.04	PPBV		66
57) DIBROMOMETHANE	10.330	174	3225	0.05	PPBV		99
59) BROMODICHLOROMETHANE	10.593	83	4712	0.04	PPBV		89
60) 2,2,4-TRIMETHYLPENTANE	10.667	57	6773	0.03	PPBV	#	89
62) HEPTANE	11.027	43	2162	0.03	PPBV		91
65) cis-1,3-DICHLOROPROPENE	11.743	75	2285	0.03	PPBV		65
66) TOLUENE	12.967	92	3147	0.03	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

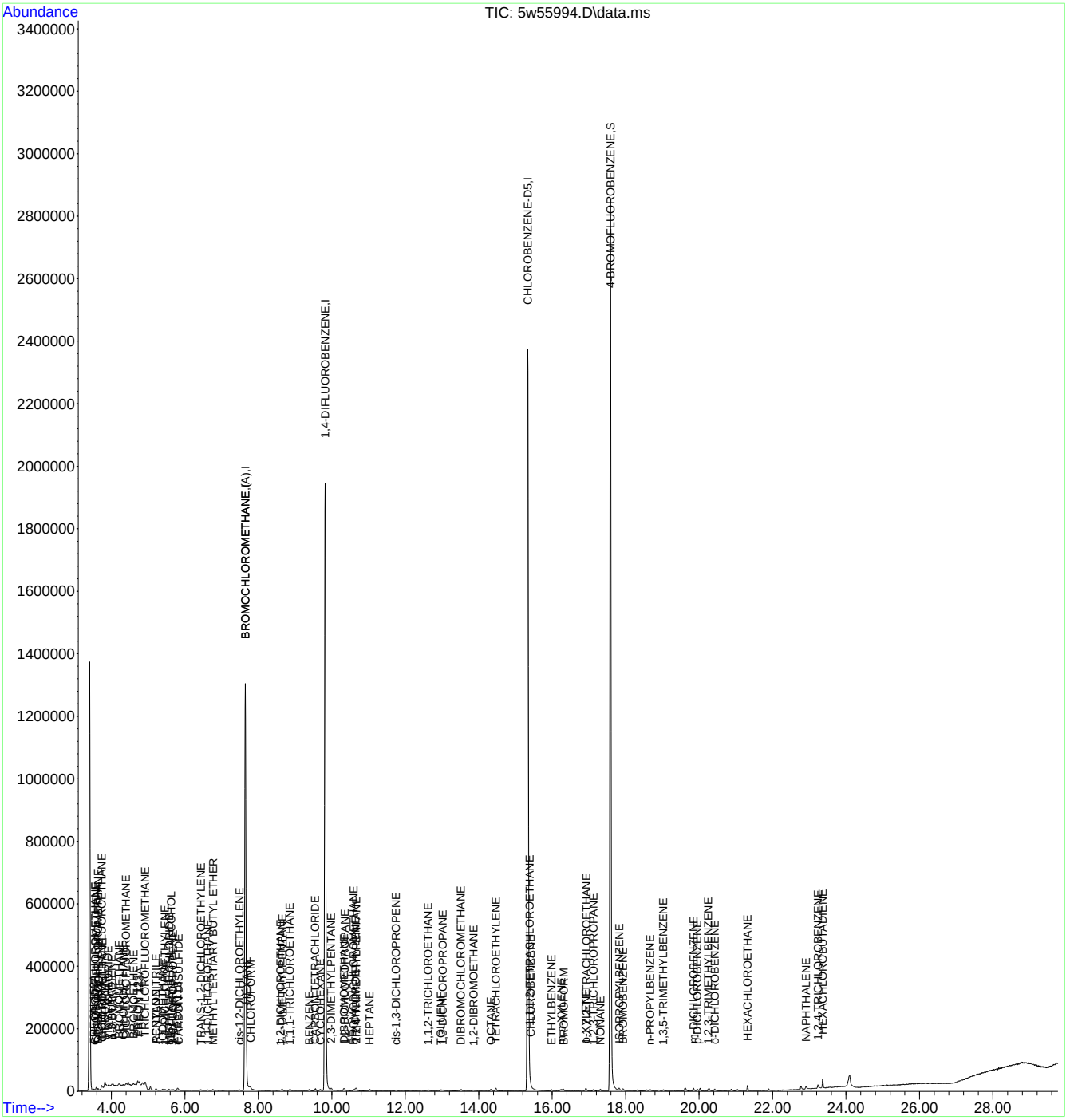
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3-DICHLOROPROPANE	13.022	76	2387	0.03	PPBV #	73
69) 1,1,2-TRICHLOROETHANE	12.618	83	1687	0.03	PPBV	93
73) TETRACHLOROETHYLENE	14.472	164	2849	0.04	PPBV	92
74) DIBROMOCHLOROMETHANE	13.511	129	4116	0.03	PPBV	94
75) 1,2-DIBROMOETHANE	13.854	107	3270	0.04	PPBV #	99
76) OCTANE	14.331	43	2989	0.03	PPBV	87
77) 1,1,1,2-TETRACHLOROETHANE	15.389	131	3162	0.04	PPBV	98
78) CHLOROBENZENE	15.414	112	5417	0.04	PPBV #	51
79) ETHYLBENZENE	15.977	91	6346	0.03	PPBV	95
80) m,p-XYLENE	16.246	106	4381m	0.06	PPBV	
81) o-XYLENE	16.913	106	2014	0.03	PPBV #	74
83) NONANE	17.310	43	2812	0.03	PPBV #	79
84) BROMOFORM	16.313	173	4056	0.03	PPBV #	91
86) 1,1,2,2-TETRACHLOROETHANE	16.931	83	4847	0.04	PPBV #	93
87) 1,2,3-TRICHLOROPROPANE	17.121	75	3572	0.04	PPBV	92
88) ISOPROPYLBENZENE	17.824	105	7568	0.03	PPBV	97
89) BROMOBENZENE	17.928	77	3924	0.04	PPBV	92
91) n-PROPYLBENZENE	18.662	120	1753	0.03	PPBV #	62
93) 1,3,5-TRIMETHYLBENZENE	19.023	105	5102	0.03	PPBV	96
97) m-DICHLOROBENZENE	19.843	146	5390	0.03	PPBV	93
99) p-DICHLOROBENZENE	19.947	146	5339	0.04	PPBV	86
101) 1,2,3-TRIMETHYLBENZENE	20.247	105	5183	0.03	PPBV #	24
103) o-DICHLOROBENZENE	20.424	146	5189	0.04	PPBV	94
105) HEXACHLOROETHANE	21.317	117	3402	0.03	PPBV	95
106) HEXACHLOROBUTADIENE	23.367	225	5243	0.04	PPBV	96
107) 1,2,4-TRICHLOROBENZENE	23.238	180	6027	0.05	PPBV	90
108) NAPHTHALENE	22.908	128	13009	0.05	PPBV	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Manual Integration Approval Summary

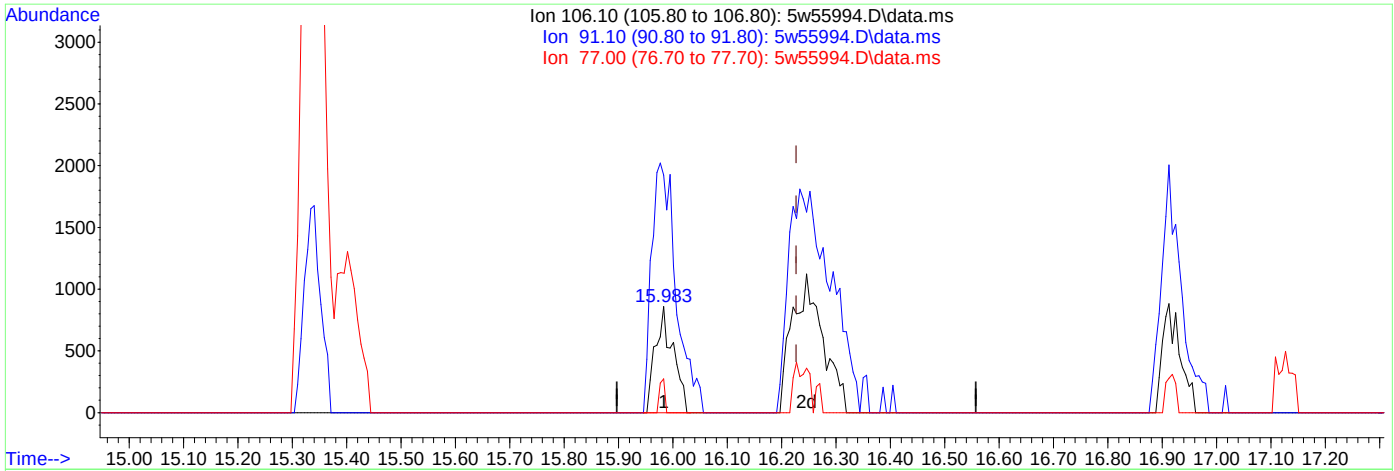
Sample Number:	V5W2144-IC2144	**Method:**	TO-15
Lab FileID:	5W55994.D	**Analyst approved:**	01/09/25 17:26 Thomas Hilbig
Injection Time:	01/09/25 00:36	**Supervisor approved:**	01/09/25 21:50 Kanya Veerawat

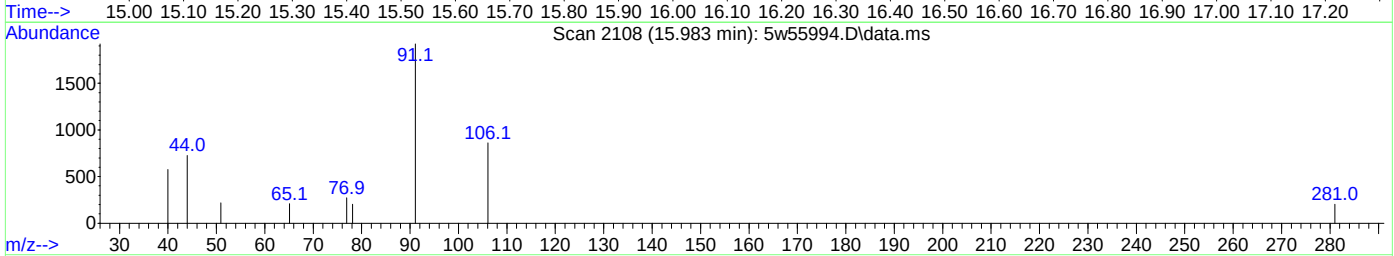
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			16.25	Missed peak

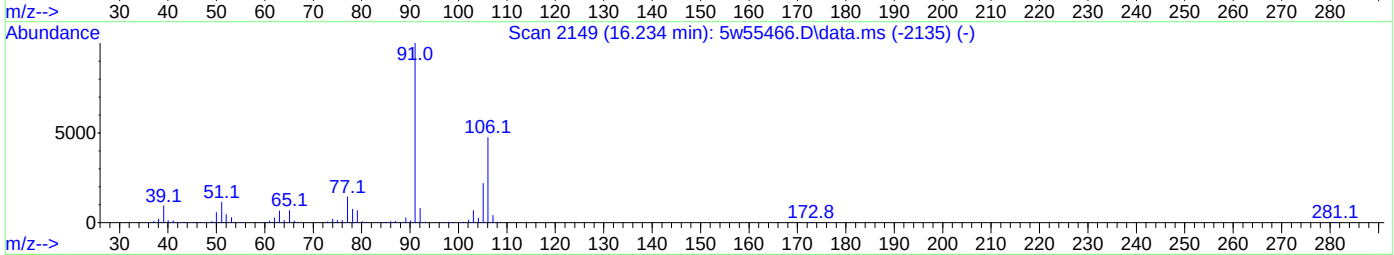
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:45 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration







TIC: 5w55994.D\data.ms

(80) m,p-XYLENE

15.983min (-0.245) 0.02PPBV

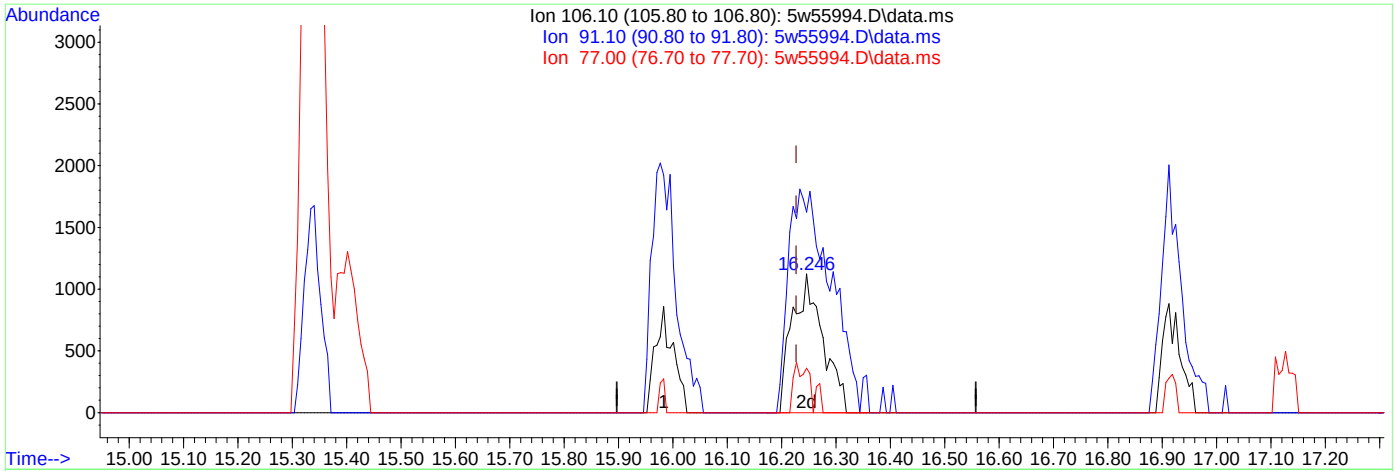
response 1950

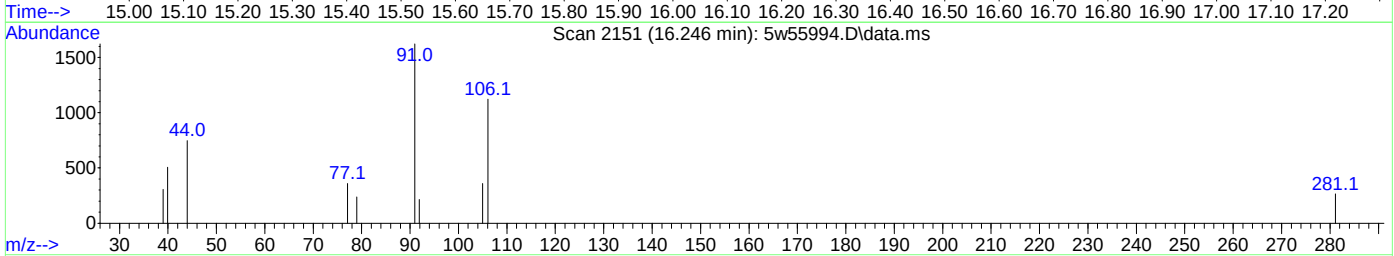
Ion	Exp%	Act%
106.10	100	100
91.10	198.70	223.60
77.00	27.90	31.74
0.00	0.00	0.00

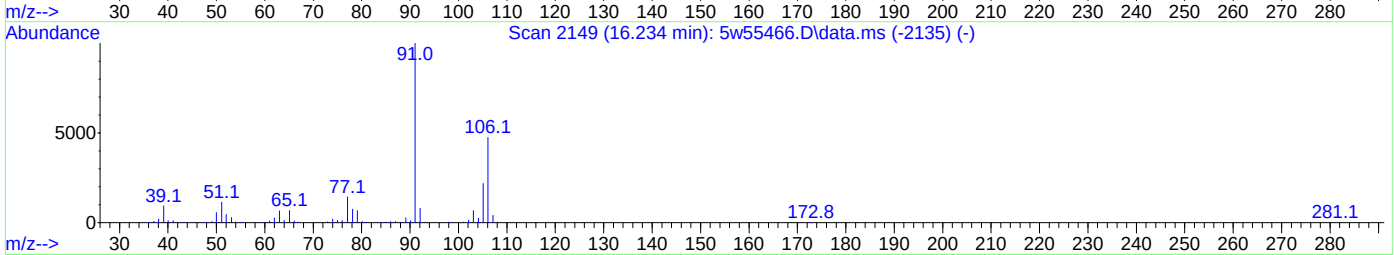
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:45 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration







TIC: 5w55994.D\data.ms

(80) m,p-XYLENE

16.246min (+0.018) 0.06PPBV m

response 4381

Ion	Exp%	Act%
106.10	100	100
91.10	198.70	144.74#
77.00	27.90	32.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/09/25 21:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.645	128	433255	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1918380	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.335	82	901402	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.645	128	433255	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1152670	10.56	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.60%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	3650	0.13	PPBV		91
4) CHLORODIFLUOROMETHANE	3.558	67	1532	0.10	PPBV		61
5) CHLOROTRIFLUOROETHENE	3.582	116	7165	0.10	PPBV		96
6) DICHLORODIFLUOROMETHANE	3.631	85	14944	0.10	PPBV		99
7) PROPYLENE	3.582	41	4514	0.13	PPBV		84
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	15855	0.11	PPBV		92
9) FREON 114	3.821	85	21716	0.12	PPBV		95
10) CHLOROMETHANE	3.754	52	2244	0.12	PPBV		92
11) VINYL CHLORIDE	3.913	62	7444	0.11	PPBV		94
12) 1,3-BUTADIENE	4.005	54	5295	0.12	PPBV	#	71
13) n-BUTANE	4.041	43	11150	0.13	PPBV	#	93
14) BROMOMETHANE	4.206	94	8211	0.12	PPBV		89
15) CHLOROETHANE	4.335	64	3509	0.13	PPBV		80
16) DICHLOROFLUOROMETHANE	4.402	67	17356	0.12	PPBV		92
17) ACETONITRILE	4.622	41	5969	0.12	PPBV	#	80
19) FREON 123	4.714	83	17789	0.12	PPBV		99
20) FREON 123A	4.751	117	10511	0.12	PPBV		87
21) TRICHLOROFLUOROMETHANE	4.916	101	19530	0.13	PPBV		98
24) PENTANE	5.210	42	5024	0.13	PPBV		91
25) IODOMETHANE	5.393	142	12927	0.10	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.454	96	4487	0.11	PPBV		94
27) CARBON DISULFIDE	5.834	76	12164	0.11	PPBV		76
29) BROMOETHENE	4.592	106	7330	0.11	PPBV		88
30) ACRYLONITRILE	5.204	52	3168	0.14	PPBV		87
31) METHYLENE CHLORIDE	5.565	84	4510	0.12	PPBV		98
32) 3-CHLOROPROPENE	5.675	76	1681	0.09	PPBV	#	62
33) FREON 113	5.791	151	7930	0.11	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.439	96	4415	0.10	PPBV		93
35) TERTIARY BUTYL ALCOHOL	5.607	59	6517	0.09	PPBV		89
36) METHYL TERTIARY BUTYL ...	6.751	73	9762	0.09	PPBV		91
37) TETRAHYDROFURAN	8.342	72	997	0.05	PPBV	#	40
38) HEXANE	7.687	57	5305	0.09	PPBV		82
40) 1,1-DICHLOROETHANE	6.629	63	7463	0.10	PPBV		98
41) METHYL ETHYL KETONE	7.161	72	1030	0.06	PPBV	#	35
42) cis-1,2-DICHLOROETHYLENE	7.479	96	4462	0.10	PPBV		98
43) DIISOPROPYL ETHER	7.742	59	1359	0.08	PPBV	#	69
46) CHLOROFORM	7.785	83	10941	0.11	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.648	57	5536	0.08	PPBV		86
48) 1,1,1-TRICHLOROETHANE	8.862	97	10721	0.11	PPBV		99
49) CARBON TETRACHLORIDE	9.553	117	11441	0.10	PPBV		97
50) 1,2-DICHLOROETHANE	8.593	62	6119	0.10	PPBV	#	95
52) BENZENE	9.388	78	13309	0.11	PPBV		97
53) CYCLOHEXANE	9.682	84	4623	0.09	PPBV		94
54) 2,3-DIMETHYLPENTANE	9.988	71	2369	0.09	PPBV	#	80
55) TRICHLOROETHYLENE	10.642	95	6197	0.10	PPBV		99
56) 1,2-DICHLOROPROPANE	10.361	63	5058	0.10	PPBV		93
57) DIBROMOMETHANE	10.318	174	7095	0.11	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

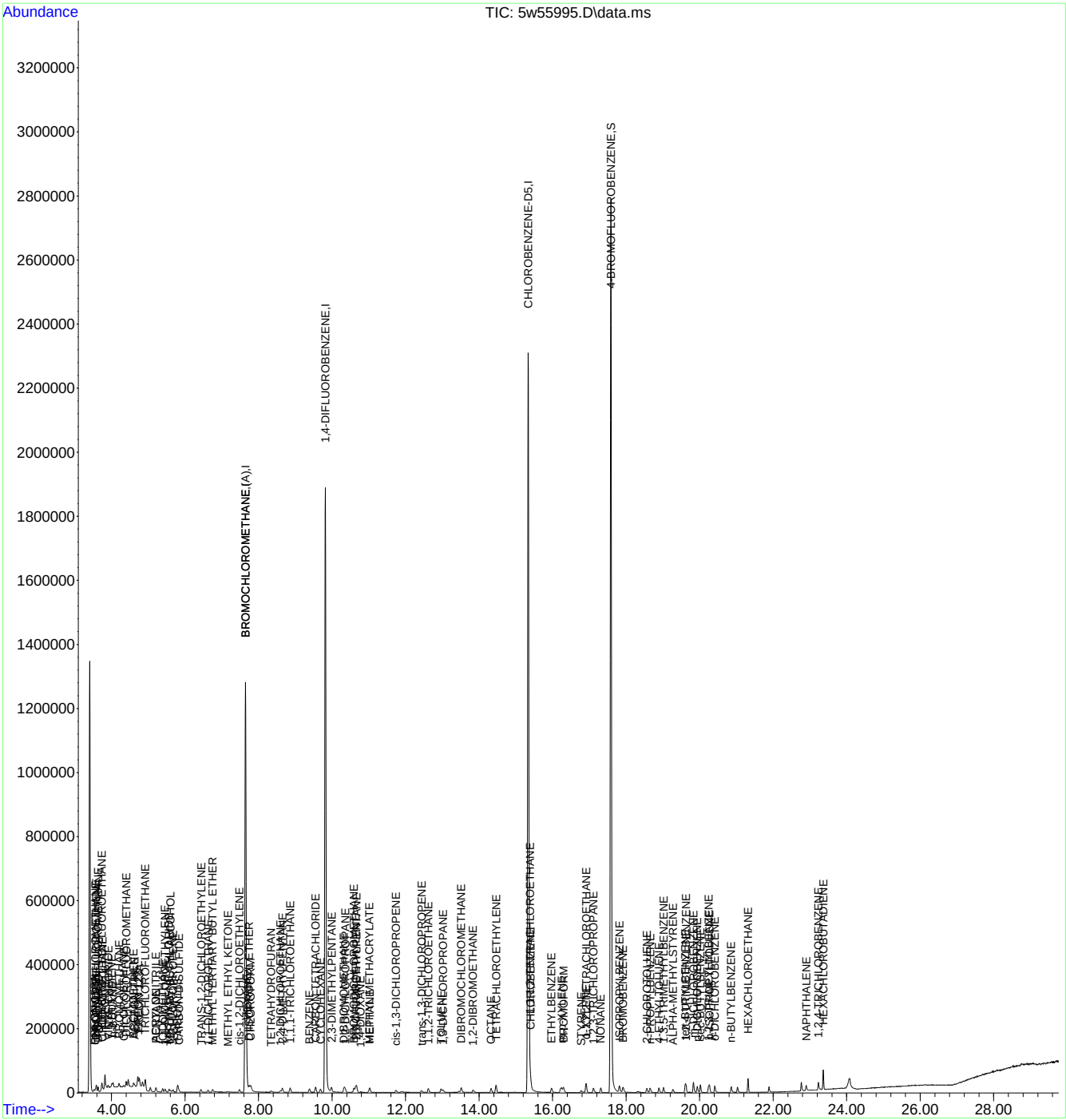
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
59)	BROMODICHLOROMETHANE	10.593	83	11411	0.10	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	17179	0.09	PPBV		96
61)	1,4-DIOXANE	10.777	88	2088	0.07	PPBV	#	1
62)	HEPTANE	11.022	43	6061	0.09	PPBV		96
63)	METHYL METHACRYLATE	11.009	69	2564	0.06	PPBV	#	1
65)	cis-1,3-DICHLOROPROPENE	11.737	75	6402	0.08	PPBV		87
66)	TOLUENE	12.967	92	7525	0.08	PPBV		94
67)	1,3-DICHLOROPROPANE	13.022	76	6941	0.09	PPBV	#	98
68)	trans-1,3-DICHLOROPROPENE	12.435	75	5660	0.07	PPBV		89
69)	1,1,2-TRICHLOROETHANE	12.618	83	5480	0.10	PPBV		91
73)	TETRACHLOROETHYLENE	14.466	164	7210	0.11	PPBV		95
74)	DIBROMOCHLOROMETHANE	13.505	129	11414	0.09	PPBV		95
75)	1,2-DIBROMOETHANE	13.830	107	8657	0.10	PPBV	#	98
76)	OCTANE	14.325	43	7208	0.08	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	7961	0.10	PPBV		100
78)	CHLOROBENZENE	15.402	112	13954	0.11	PPBV		95
79)	ETHYLBENZENE	15.965	91	16779	0.09	PPBV		95
80)	m,p-XYLENE	16.246	106	11529	0.15	PPBV	#	82
81)	o-XYLENE	16.907	106	5508	0.07	PPBV		93
82)	STYRENE	16.778	104	7132	0.06	PPBV		94
83)	NONANE	17.304	43	7111	0.07	PPBV		95
84)	BROMOFORM	16.295	173	10191	0.08	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	13778	0.11	PPBV		97
87)	1,2,3-TRICHLOROPROPANE	17.115	75	9506	0.11	PPBV		95
88)	ISOPROPYLBENZENE	17.818	105	19384	0.09	PPBV		96
89)	BROMOBENZENE	17.910	77	10985	0.10	PPBV		91
90)	2-CHLOROTOLUENE	18.565	126	4604	0.08	PPBV		91
91)	n-PROPYLBENZENE	18.656	120	4267	0.07	PPBV		72
92)	4-ETHYLTOLUENE	18.889	105	15753m	0.07	PPBV		
93)	1,3,5-TRIMETHYLBENZENE	19.024	105	13725	0.08	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.274	118	5690	0.06	PPBV		95
95)	tert-BUTYLBENZENE	19.611	134	2934	0.07	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	13508	0.07	PPBV	#	31
97)	m-DICHLOROBENZENE	19.831	146	12842	0.08	PPBV		99
99)	p-DICHLOROBENZENE	19.935	146	13807	0.10	PPBV		96
100)	sec-BUTYLBENZENE	20.021	134	3746	0.07	PPBV		92
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	13896	0.07	PPBV	#	95
102)	p-ISOPROPYLTOLUENE	20.265	134	4014	0.07	PPBV	#	88
103)	o-DICHLOROBENZENE	20.412	146	12791	0.10	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	3516	0.06	PPBV	#	75
105)	HEXACHLOROETHANE	21.318	117	9333	0.09	PPBV		97
106)	HEXACHLOROBUTADIENE	23.367	225	11703	0.09	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.233	180	11258	0.10	PPBV		94
108)	NAPHTHALENE	22.902	128	21792	0.08	PPBV		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Manual Integration Approval Summary

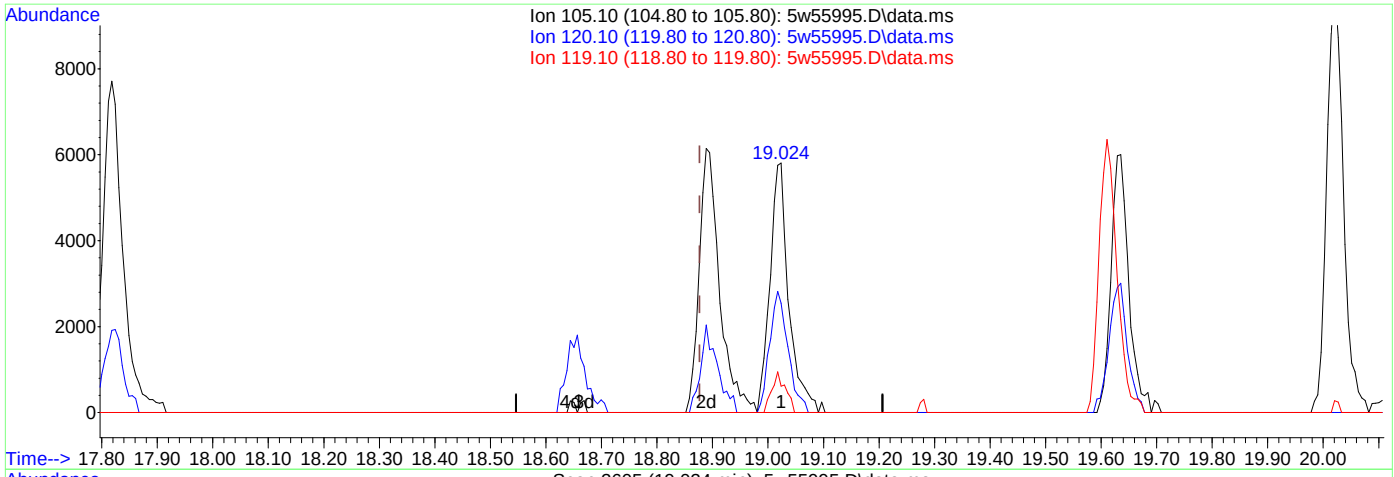
Sample Number:	V5W2144-IC2144	**Method:**	TO-15
Lab FileID:	5W55995.D	**Analyst approved:**	01/09/25 19:21 Thomas Hilbig
Injection Time:	01/09/25 01:16	**Supervisor approved:**	01/09/25 21:50 Kanya Veerawat

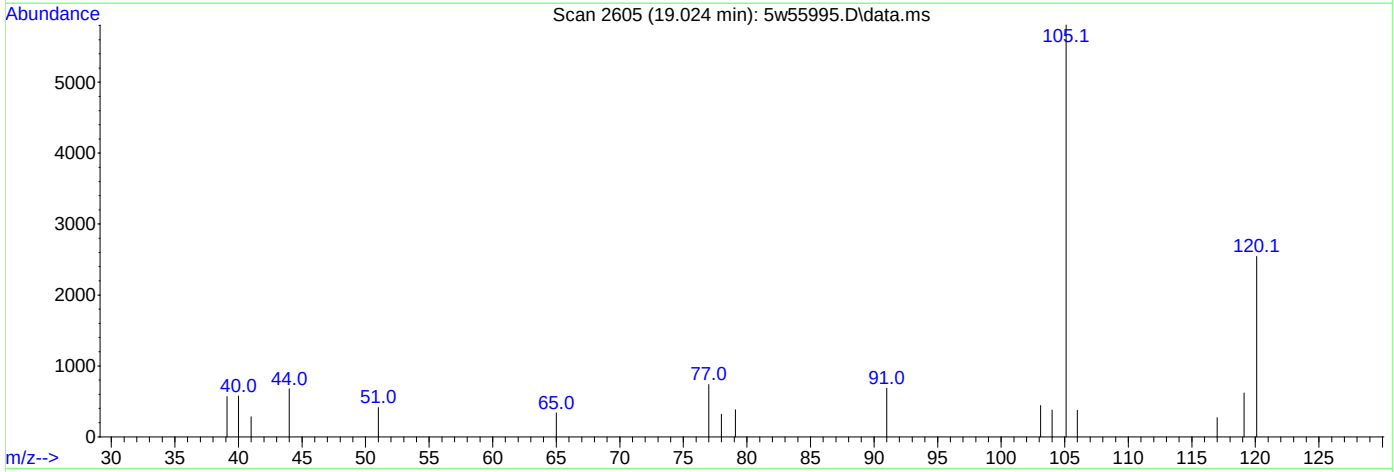
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Ethyltoluene	622-96-8		18.89	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:59 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration





TIC: 5w55995.D\data.ms

(92) 4-ETHYLTOLUENE

19.024min (+0.147) 0.06PPBV

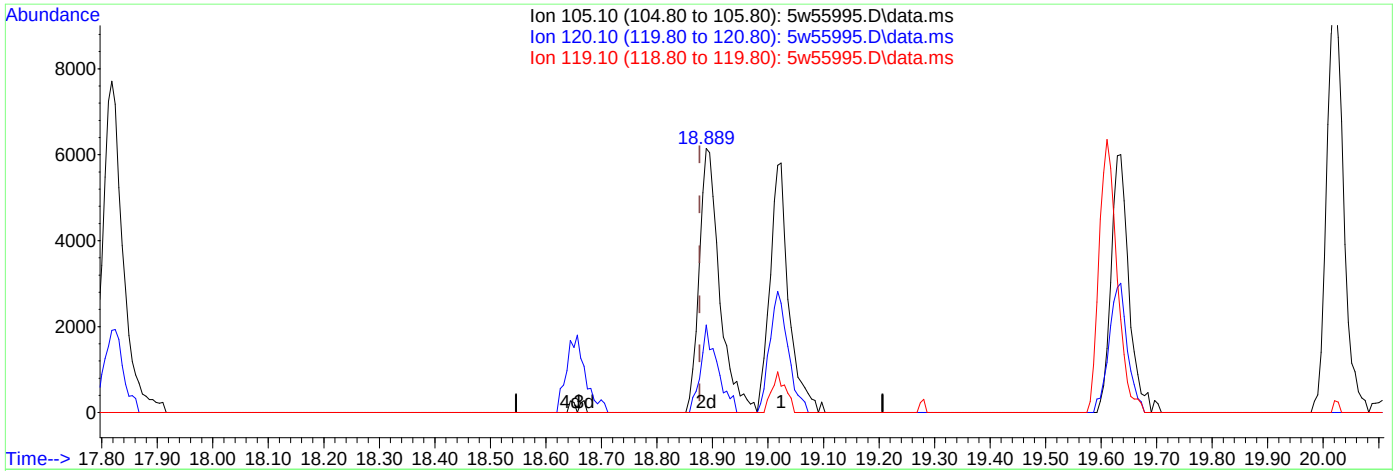
response 13725

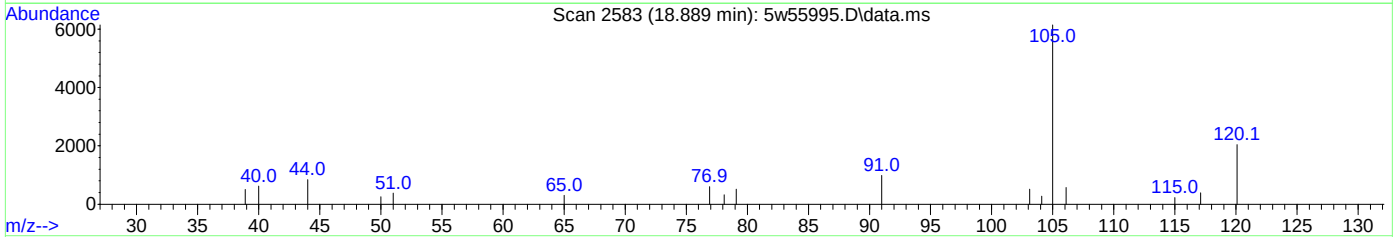
Ion	Exp%	Act%
105.10	100	100
120.10	30.00	47.44
119.10	2.30	11.77
0.00	0.00	0.00

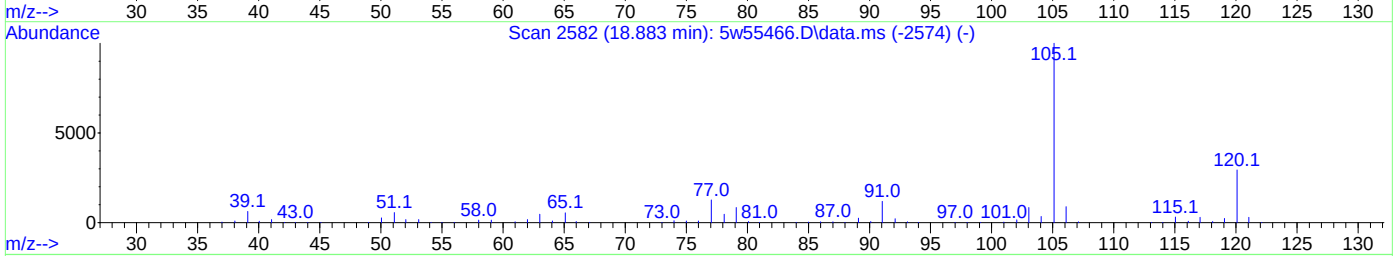
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:59 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration







TIC: 5w55995.D\data.ms

(92) 4-ETHYLTOLUENE

18.889min (+0.012) 0.07PPBV m

response 15753

Ion	Exp%	Act%
105.10	100	100
120.10	30.00	41.33
119.10	2.30	10.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	430146	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1898537	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.335	82	894261	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	430146	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1158429	10.70	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.00%				
Target Compounds							Qvalue
3) FREON 152A	3.534	65	6168	0.22	PPBV		91
4) CHLORODIFLUOROMETHANE	3.570	67	2932	0.20	PPBV		96
5) CHLOROTRIFLUOROETHENE	3.595	116	14560	0.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.644	85	30332	0.21	PPBV		100
7) PROPYLENE	3.589	41	7548	0.22	PPBV		89
8) 1-CHLORO-1,1-DIFLUOROE...	3.742	65	32151	0.22	PPBV		95
9) FREON 114	3.827	85	43523	0.23	PPBV		95
10) CHLOROMETHANE	3.760	52	4413	0.24	PPBV		98
11) VINYL CHLORIDE	3.919	62	14573	0.23	PPBV		96
12) 1,3-BUTADIENE	4.017	54	10010	0.24	PPBV		86
13) n-BUTANE	4.054	43	23212	0.28	PPBV	#	93
14) BROMOMETHANE	4.219	94	15513	0.23	PPBV		90
15) CHLOROETHANE	4.341	64	6633	0.24	PPBV		91
16) DICHLOROFLUOROMETHANE	4.408	67	33297	0.24	PPBV		98
17) ACETONITRILE	4.629	41	14458	0.29	PPBV		92
18) ACROLEIN	4.720	56	6230	0.28	PPBV	#	4
19) FREON 123	4.720	83	35230	0.23	PPBV		98
20) FREON 123A	4.763	117	20311	0.24	PPBV		87
21) TRICHLOROFLUOROMETHANE	4.928	101	30110	0.20	PPBV		99
22) ISOPROPYL ALCOHOL	5.057	45	25111	0.34	PPBV		87
23) ACETONE	4.843	58	8402	0.35	PPBV	#	70
24) PENTANE	5.216	42	9302	0.24	PPBV		96
25) IODOMETHANE	5.406	142	25561	0.21	PPBV		97
26) 1,1-DICHLOROETHYLENE	5.467	96	8707	0.22	PPBV		94
27) CARBON DISULFIDE	5.840	76	25423	0.22	PPBV		85
29) BROMOETHENE	4.604	106	14423	0.22	PPBV		96
30) ACRYLONITRILE	5.216	52	7003	0.31	PPBV		98
31) METHYLENE CHLORIDE	5.577	84	8794	0.24	PPBV		98
32) 3-CHLOROPROPENE	5.681	76	3873	0.21	PPBV		90
33) FREON 113	5.809	151	16242	0.22	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.433	96	9097	0.22	PPBV		97
35) TERTIARY BUTYL ALCOHOL	5.607	59	13183	0.18	PPBV		85
36) METHYL TERTIARY BUTYL ...	6.751	73	20340	0.19	PPBV		93
37) TETRAHYDROFURAN	8.318	72	2510	0.14	PPBV	#	67
38) HEXANE	7.687	57	10819	0.18	PPBV		90
39) VINYL ACETATE	6.825	86	449	0.06	PPBV	#	1
40) 1,1-DICHLOROETHANE	6.635	63	15670	0.22	PPBV		99
41) METHYL ETHYL KETONE	7.125	72	2726	0.15	PPBV	#	72
42) cis-1,2-DICHLOROETHYLENE	7.486	96	9388	0.21	PPBV		94
43) DIISOPROPYL ETHER	7.749	59	3117	0.18	PPBV		98
44) ETHYL ACETATE	7.804	61	1830	0.14	PPBV	#	37
45) METHYL ACRYLATE	7.779	55	10050m	0.14	PPBV		
46) CHLOROFORM	7.798	83	21741	0.23	PPBV		90
47) 2,4-DIMETHYLPENTANE	8.648	57	11533	0.17	PPBV		88
48) 1,1,1-TRICHLOROETHANE	8.862	97	21758	0.22	PPBV		98
49) CARBON TETRACHLORIDE	9.553	117	23203	0.21	PPBV		99
50) 1,2-DICHLOROETHANE	8.599	62	13059	0.22	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	BENZENE	9.388	78	25585	0.21	PPBV		99
53)	CYCLOHEXANE	9.682	84	8785	0.17	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.988	71	5117	0.20	PPBV		94
55)	TRICHLOROETHYLENE	10.642	95	12186	0.19	PPBV		98
56)	1,2-DICHLOROPROPANE	10.355	63	9729	0.20	PPBV		98
57)	DIBROMOMETHANE	10.330	174	14121	0.21	PPBV		97
58)	ETHYL ACRYLATE	10.477	55	11040	0.12	PPBV	#	82
59)	BROMODICHLOROMETHANE	10.593	83	23424	0.20	PPBV		92
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	32971	0.18	PPBV		94
61)	1,4-DIOXANE	10.765	88	4325	0.14	PPBV	#	1
62)	HEPTANE	11.022	43	12467	0.18	PPBV		97
63)	METHYL METHACRYLATE	10.979	69	6268	0.14	PPBV	#	64
64)	METHYL ISOBUTYL KETONE	11.860	58	4258	0.12	PPBV	#	60
65)	cis-1,3-DICHLOROPROPENE	11.731	75	13102	0.16	PPBV		89
66)	TOLUENE	12.961	92	15243	0.16	PPBV		97
67)	1,3-DICHLOROPROPANE	13.022	76	14414	0.18	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.423	75	11037	0.14	PPBV		90
69)	1,1,2-TRICHLOROETHANE	12.618	83	10655	0.20	PPBV		97
71)	2-HEXANONE	13.438	58	3862	0.08	PPBV	#	29
72)	ETHYL METHACRYLATE	13.426	69	8311	0.11	PPBV		94
73)	TETRACHLOROETHYLENE	14.460	164	14147	0.22	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.512	129	23704	0.20	PPBV		96
75)	1,2-DIBROMOETHANE	13.830	107	18318	0.20	PPBV		97
76)	OCTANE	14.325	43	14928	0.16	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	15844	0.21	PPBV		98
78)	CHLOROBENZENE	15.402	112	28951	0.23	PPBV		96
79)	ETHYLBENZENE	15.965	91	33131	0.18	PPBV		98
80)	m,p-XYLENE	16.234	106	24603	0.32	PPBV		96
81)	o-XYLENE	16.901	106	11814	0.16	PPBV		94
82)	STYRENE	16.772	104	15130	0.13	PPBV		98
83)	NONANE	17.304	43	15302	0.16	PPBV		99
84)	BROMOFORM	16.295	173	22128	0.18	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	27500	0.21	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.103	75	18951	0.22	PPBV		98
88)	ISOPROPYLBENZENE	17.812	105	38756	0.18	PPBV		98
89)	BROMOBENZENE	17.916	77	21469	0.20	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	9449	0.16	PPBV		97
91)	n-PROPYLBENZENE	18.644	120	9127	0.15	PPBV		99
92)	4-ETHYLTOLUENE	18.883	105	33181	0.15	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	29448	0.16	PPBV		96
94)	ALPHA-METHYLSTYRENE	19.268	118	11835	0.12	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	6084	0.14	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	28844	0.15	PPBV		99
97)	m-DICHLOROBENZENE	19.831	146	26957	0.18	PPBV		98
98)	BENZYL CHLORIDE	19.819	91	26223	0.14	PPBV		97
99)	p-DICHLOROBENZENE	19.929	146	27136	0.20	PPBV		98
100)	sec-BUTYLBENZENE	20.015	134	8151	0.16	PPBV	#	88
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	29770	0.15	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.265	134	9403	0.16	PPBV		96
103)	o-DICHLOROBENZENE	20.412	146	26574	0.20	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	7862	0.13	PPBV	#	83
105)	HEXACHLOROETHANE	21.318	117	18373	0.19	PPBV		97
106)	HEXACHLOROBUTADIENE	23.367	225	23529	0.18	PPBV		96
107)	1,2,4-TRICHLOROBENZENE	23.233	180	20813	0.18	PPBV		98
108)	NAPHTHALENE	22.896	128	42291	0.15	PPBV		98
110)	TVHC as equiv Pentane	5.216	TIC	63670	0.25	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

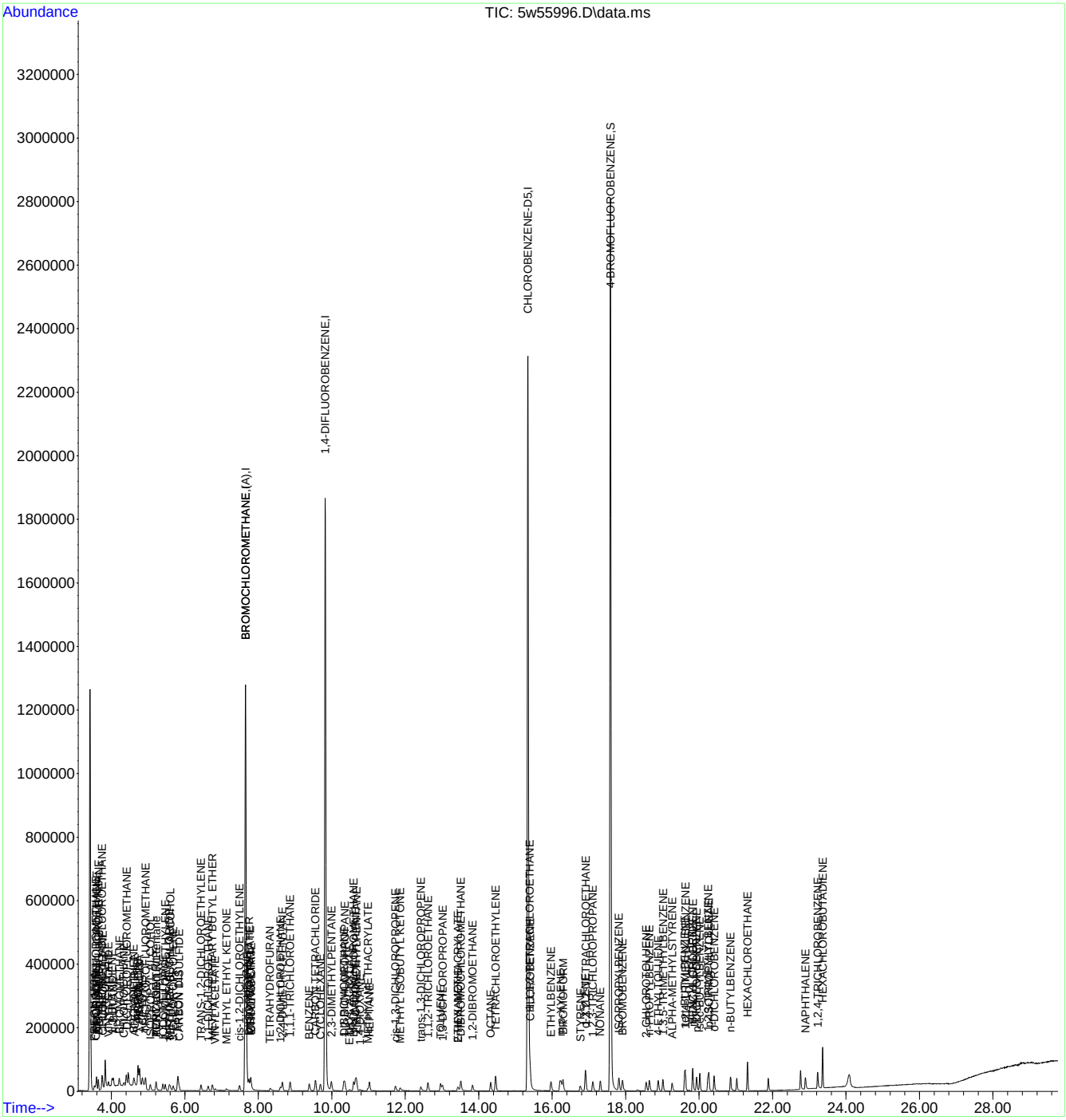
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

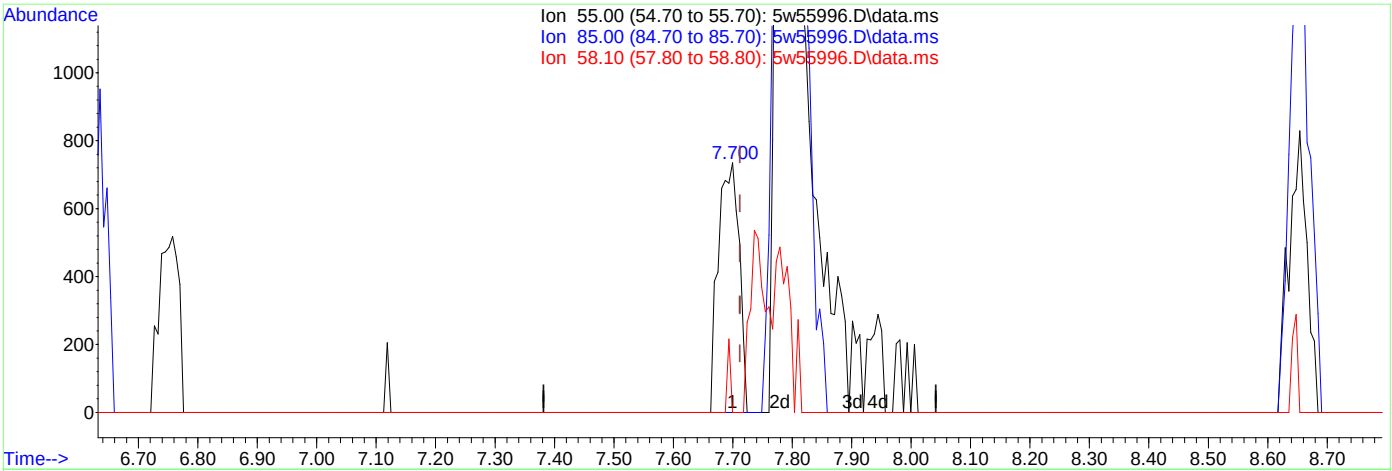
Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

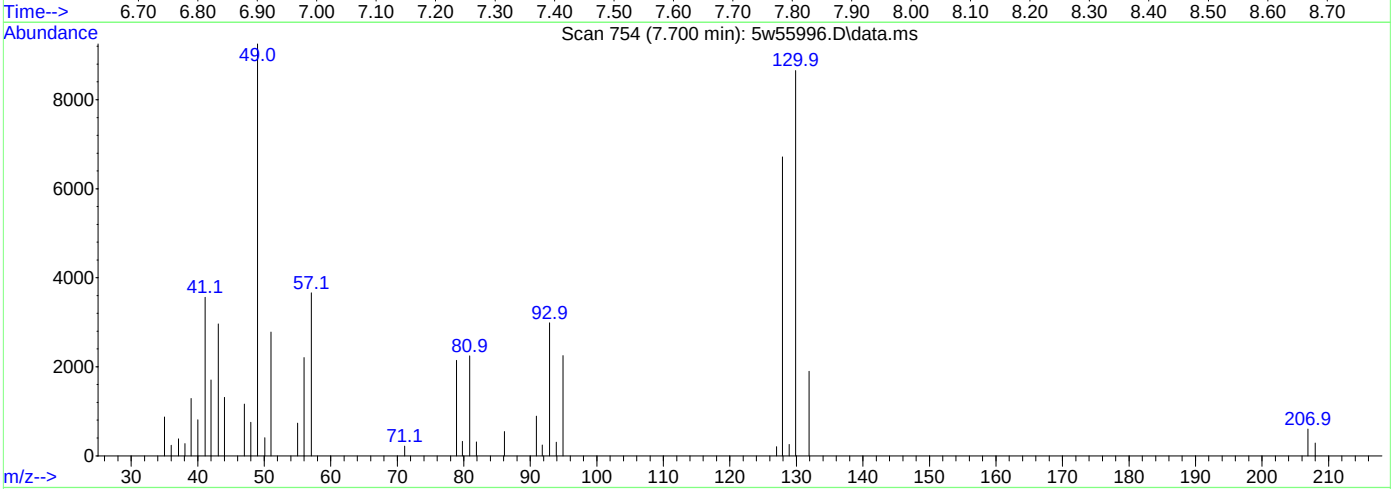


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:18 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration





TIC: 5w55996.D\data.ms

(45) METHYL ACRYLATE

7.700min (-0.012) 0.02PPBV

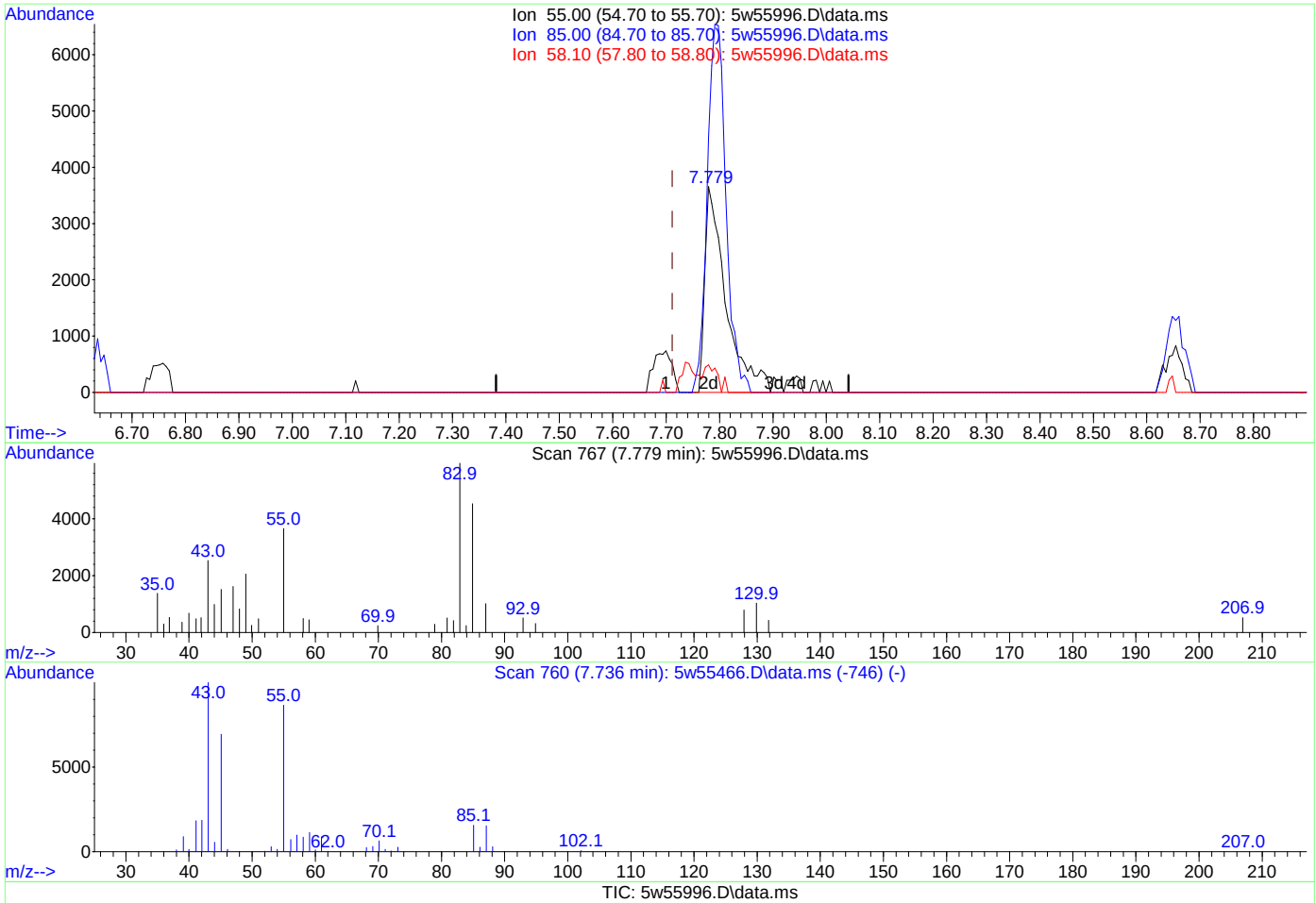
response 1784

Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



TIC: 5w55996.D\data.ms

(45) METHYL ACRYLATE

7.779min (+0.067) 0.14PPBV m

response 10050

Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	412314	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1823891	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	913003	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	412314	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1161846	10.51	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.10%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	147367	5.41	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	73198	5.27	PPBV		97
5) CHLOROTRIFLUOROETHENE	3.588	116	364587	5.26	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.631	85	733551	5.39	PPBV		100
7) PROPYLENE	3.582	41	178796	5.42	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	756226	5.48	PPBV		100
9) FREON 114	3.821	85	1036757	5.83	PPBV		99
10) CHLOROMETHANE	3.754	52	95845	5.37	PPBV		99
11) VINYL CHLORIDE	3.913	62	337433	5.44	PPBV		100
12) 1,3-BUTADIENE	4.011	54	227101	5.62	PPBV		98
13) n-BUTANE	4.041	43	462829	5.73	PPBV		98
14) BROMOMETHANE	4.206	94	358674	5.54	PPBV		99
15) CHLOROETHANE	4.335	64	145882	5.55	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	742212	5.59	PPBV		100
17) ACETONITRILE	4.598	41	257626	5.36	PPBV		99
18) ACROLEIN	4.696	56	116734	5.44	PPBV		100
19) FREON 123	4.714	83	815033	5.64	PPBV		100
20) FREON 123A	4.757	117	475455	5.81	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.922	101	789105	5.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.008	45	401918	5.62	PPBV		100
23) ACETONE	4.806	58	129044	5.64	PPBV		99
24) PENTANE	5.210	42	209310	5.64	PPBV		100
25) IODOMETHANE	5.393	142	651862	5.55	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.460	96	204770	5.46	PPBV		100
27) CARBON DISULFIDE	5.828	76	605414	5.56	PPBV		100
28) ETHANOL	4.433	45	165389	5.43	PPBV		98
29) BROMOETHENE	4.598	106	341504	5.45	PPBV		99
30) ACRYLONITRILE	5.185	52	123794	5.71	PPBV		99
31) METHYLENE CHLORIDE	5.571	84	194110	5.51	PPBV		99
32) 3-CHLOROPROPENE	5.675	76	94602	5.33	PPBV		99
33) FREON 113	5.797	151	374705	5.37	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.433	96	212538	5.29	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.534	59	345988	5.03	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.696	73	553361	5.41	PPBV		99
37) TETRAHYDROFURAN	8.232	72	91212	5.20	PPBV		98
38) HEXANE	7.687	57	300652	5.36	PPBV		100
39) VINYL ACETATE	6.788	86	35480	4.94	PPBV		99
40) 1,1-DICHLOROETHANE	6.629	63	383811	5.57	PPBV		99
41) METHYL ETHYL KETONE	7.045	72	93452	5.25	PPBV		91
42) cis-1,2-DICHLOROETHYLENE	7.479	96	227374	5.38	PPBV		100
43) DIISOPROPYL ETHER	7.700	59	90544	5.34	PPBV		99
44) ETHYL ACETATE	7.736	61	67378	5.32	PPBV	#	37
45) METHYL ACRYLATE	7.718	55	376177	5.39	PPBV		99
46) CHLOROFORM	7.791	83	508420	5.58	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.648	57	341579	5.33	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.862	97	522398	5.48	PPBV		100
49) CARBON TETRACHLORIDE	9.547	117	579909	5.42	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	318794	5.55	PPBV		100
52)	BENZENE	9.382	78	649530	5.45	PPBV		100
53)	CYCLOHEXANE	9.682	84	260380	5.32	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.981	71	131512	5.28	PPBV		98
55)	TRICHLOROETHYLENE	10.636	95	322438	5.24	PPBV		98
56)	1,2-DICHLOROPROPANE	10.349	63	243198	5.19	PPBV		100
57)	DIBROMOMETHANE	10.318	174	322389	5.10	PPBV		99
58)	ETHYL ACRYLATE	10.404	55	440559	5.14	PPBV		99
59)	BROMODICHLOROMETHANE	10.593	83	579609	5.22	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	982090	5.43	PPBV		99
61)	1,4-DIOXANE	10.667	88	155888	5.21	PPBV	#	2
62)	HEPTANE	11.015	43	367798	5.48	PPBV		100
63)	METHYL METHACRYLATE	10.930	69	222562	5.29	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	184975	5.26	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.719	75	412958	5.12	PPBV		99
66)	TOLUENE	12.949	92	470931	5.14	PPBV		100
67)	1,3-DICHLOROPROPANE	12.998	76	404826	5.29	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	365946	4.83	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.600	83	269453	5.22	PPBV		99
71)	2-HEXANONE	13.358	58	262116	5.27	PPBV		99
72)	ETHYL METHACRYLATE	13.383	69	392468	5.31	PPBV		100
73)	TETRACHLOROETHYLENE	14.460	164	365226	5.55	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.499	129	660391	5.33	PPBV		100
75)	1,2-DIBROMOETHANE	13.811	107	518669	5.64	PPBV		100
76)	OCTANE	14.319	43	520317	5.56	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	430775	5.49	PPBV		100
78)	CHLOROBENZENE	15.402	112	713863	5.56	PPBV		99
79)	ETHYLBENZENE	15.952	91	1061200	5.54	PPBV		100
80)	m,p-XYLENE	16.203	106	851106	10.92	PPBV		98
81)	o-XYLENE	16.895	106	420847	5.57	PPBV		100
82)	STYRENE	16.748	104	629370	5.48	PPBV		100
83)	NONANE	17.304	43	559046	5.65	PPBV		100
84)	BROMOFORM	16.283	173	666046	5.39	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	741833	5.66	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	495808	5.62	PPBV		99
88)	ISOPROPYLBENZENE	17.806	105	1216916	5.41	PPBV		100
89)	BROMOBENZENE	17.904	77	587922	5.42	PPBV		100
90)	2-CHLOROTOLUENE	18.540	126	324472	5.26	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	345102	5.46	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	1265802	5.69	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1036803	5.64	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.250	118	525122	5.24	PPBV		100
95)	tert-BUTYLBENZENE	19.605	134	237321	5.48	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1113528	5.62	PPBV		99
97)	m-DICHLOROBENZENE	19.813	146	817473	5.33	PPBV		100
98)	BENZYL CHLORIDE	19.807	91	974591	5.18	PPBV		100
99)	p-DICHLOROBENZENE	19.917	146	819621	5.78	PPBV		100
100)	sec-BUTYLBENZENE	20.015	134	294921	5.70	PPBV		98
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1091752	5.51	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	340447	5.60	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	768393	5.64	PPBV		100
104)	n-BUTYLBENZENE	20.847	134	329180	5.49	PPBV		97
105)	HEXACHLOROETHANE	21.311	117	564398	5.62	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	694231	5.31	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.220	180	675748	5.66	PPBV		99
108)	NAPHTHALENE	22.884	128	1584395	5.64	PPBV		99
110)	TVHC as equiv Pentane	5.210	TIC	1367858	5.66	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

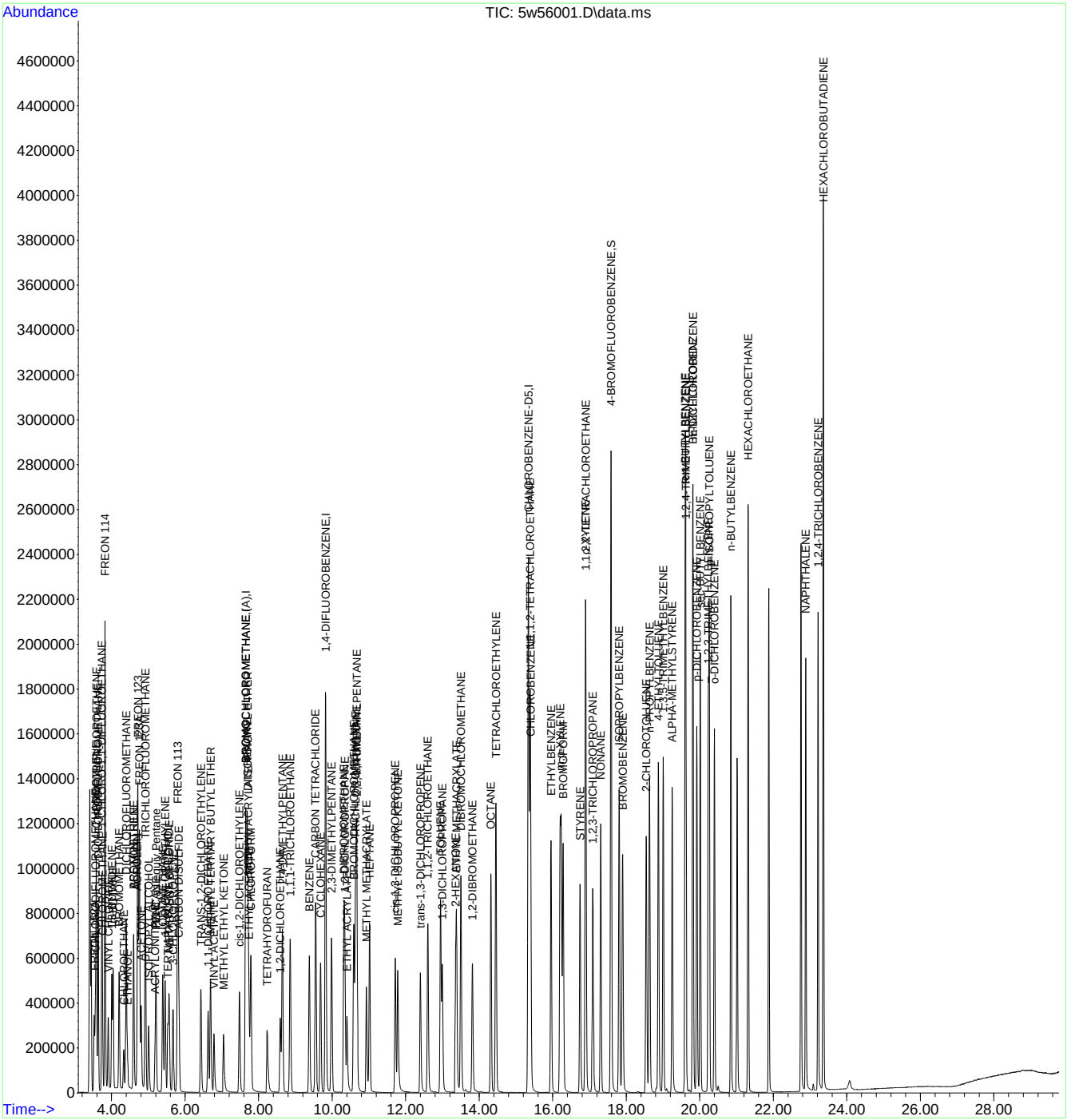
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	422761	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1839130	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	963498	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	422761	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1166724	10.00	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	298738	10.70	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	150918	10.60	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.589	116	746749	10.50	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.637	85	1479774	10.60	PPBV		100
7) PROPYLENE	3.582	41	368919	10.90	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1498517	10.60	PPBV		100
9) FREON 114	3.821	85	2005371	10.99	PPBV		100
10) CHLOROMETHANE	3.754	52	190178	10.39	PPBV		100
11) VINYL CHLORIDE	3.913	62	655318	10.30	PPBV		100
12) 1,3-BUTADIENE	4.011	54	447772	10.80	PPBV		100
13) n-BUTANE	4.047	43	895125	10.80	PPBV		100
14) BROMOMETHANE	4.206	94	696439	10.50	PPBV		100
15) CHLOROETHANE	4.335	64	280517	10.40	PPBV		100
16) DICHLOROFLUOROMETHANE	4.402	67	1444162	10.60	PPBV		100
17) ACETONITRILE	4.598	41	498004	10.10	PPBV		100
18) ACROLEIN	4.690	56	231198	10.50	PPBV		100
19) FREON 123	4.714	83	1571602	10.60	PPBV		100
20) FREON 123A	4.757	117	923738	11.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	4.922	101	1531008	10.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.002	45	777527	10.60	PPBV		100
23) ACETONE	4.800	58	241823	10.30	PPBV		100
24) PENTANE	5.210	42	414960	10.90	PPBV		100
25) IODOMETHANE	5.393	142	1325853	11.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.461	96	411238	10.70	PPBV		100
27) CARBON DISULFIDE	5.828	76	1183086	10.60	PPBV		100
28) ETHANOL	4.433	45	318822	10.20	PPBV		100
29) BROMOETHENE	4.598	106	680782	10.60	PPBV		100
30) ACRYLONITRILE	5.179	52	244700	11.00	PPBV		100
31) METHYLENE CHLORIDE	5.571	84	379289	10.50	PPBV		100
32) 3-CHLOROPROPENE	5.675	76	191153	10.50	PPBV		100
33) FREON 113	5.797	151	757780	10.60	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.433	96	432868	10.50	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.522	59	698387	9.90	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.690	73	1131934	10.80	PPBV		100
37) TETRAHYDROFURAN	8.220	72	188928	10.50	PPBV		100
38) HEXANE	7.687	57	620861	10.80	PPBV		100
39) VINYL ACETATE	6.788	86	76560	10.40	PPBV		100
40) 1,1-DICHLOROETHANE	6.629	63	755460	10.70	PPBV		100
41) METHYL ETHYL KETONE	7.033	72	197254	10.80	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.479	96	463328	10.70	PPBV		100
43) DIISOPROPYL ETHER	7.694	59	187665	10.80	PPBV		100
44) ETHYL ACETATE	7.730	61	140285	10.80	PPBV	#	100
45) METHYL ACRYLATE	7.712	55	773419	10.80	PPBV		100
46) CHLOROFORM	7.791	83	1008146	10.80	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.648	57	709986	10.80	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.862	97	1055519	10.80	PPBV		100
49) CARBON TETRACHLORIDE	9.553	117	1185503	10.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	642533	10.90	PPBV		100
52)	BENZENE	9.382	78	1322291	11.00	PPBV		100
53)	CYCLOHEXANE	9.682	84	537413	10.90	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.988	71	271223	10.80	PPBV		100
55)	TRICHLOROETHYLENE	10.636	95	651555	10.50	PPBV		100
56)	1,2-DICHLOROPROPANE	10.349	63	495856	10.50	PPBV		100
57)	DIBROMOMETHANE	10.324	174	669261	10.50	PPBV		100
58)	ETHYL ACRYLATE	10.398	55	924473	10.70	PPBV		100
59)	BROMODICHLOROMETHANE	10.593	83	1176185	10.50	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	1970368	10.80	PPBV		100
61)	1,4-DIOXANE	10.654	88	316825	10.50	PPBV		100
62)	HEPTANE	11.015	43	744135	11.00	PPBV		100
63)	METHYL METHACRYLATE	10.924	69	462703	10.90	PPBV		100
64)	METHYL ISOBUTYL KETONE	11.774	58	383163	10.80	PPBV		100
65)	cis-1,3-DICHLOROPROPENE	11.719	75	869909	10.70	PPBV		100
66)	TOLUENE	12.949	92	979572	10.60	PPBV		100
67)	1,3-DICHLOROPROPANE	12.998	76	817699	10.60	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	779160	10.20	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.600	83	556460	10.70	PPBV		100
71)	2-HEXANONE	13.346	58	556523	10.60	PPBV		100
72)	ETHYL METHACRYLATE	13.383	69	818718	10.50	PPBV		100
73)	TETRACHLOROETHYLENE	14.460	164	756622	10.90	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.499	129	1371699	10.50	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1068453	11.00	PPBV		100
76)	OCTANE	14.319	43	1075669	10.90	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	893580	10.80	PPBV		100
78)	CHLOROBENZENE	15.402	112	1462615	10.80	PPBV		100
79)	ETHYLBENZENE	15.952	91	2223019	11.00	PPBV		100
80)	m,p-XYLENE	16.228	106	1759365	21.40	PPBV		100
81)	o-XYLENE	16.895	106	869205	10.90	PPBV		100
82)	STYRENE	16.748	104	1332935	11.00	PPBV		100
83)	NONANE	17.304	43	1138299	10.90	PPBV		100
84)	BROMOFORM	16.283	173	1394970	10.70	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1507279	10.90	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	987407	10.60	PPBV		100
88)	ISOPROPYLBENZENE	17.806	105	2518077	10.60	PPBV		100
89)	BROMOBENZENE	17.904	77	1190270	10.40	PPBV		100
90)	2-CHLOROTOLUENE	18.540	126	670614	10.30	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	707147	10.60	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	2559736	10.90	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	2112853	10.90	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.250	118	1100478	10.40	PPBV		100
95)	tert-BUTYLBENZENE	19.611	134	502702	11.00	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2298628	11.00	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1684864	10.40	PPBV		100
98)	BENZYL CHLORIDE	19.807	91	2064361	10.40	PPBV		100
99)	p-DICHLOROBENZENE	19.917	146	1632260	10.90	PPBV		100
100)	sec-BUTYLBENZENE	20.015	134	595022	10.90	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	2238862	10.70	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	693362	10.80	PPBV		100
103)	o-DICHLOROBENZENE	20.400	146	1538697	10.70	PPBV		100
104)	n-BUTYLBENZENE	20.853	134	683987	10.80	PPBV		100
105)	HEXACHLOROETHANE	21.318	117	1165477	11.00	PPBV		100
106)	HEXACHLOROBUTADIENE	23.367	225	1488828	10.80	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.220	180	1373791	10.90	PPBV		100
108)	NAPHTHALENE	22.884	128	3232806	10.90	PPBV		100
110)	TVHC as equiv Pentane	5.210	TIC	2702539	10.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

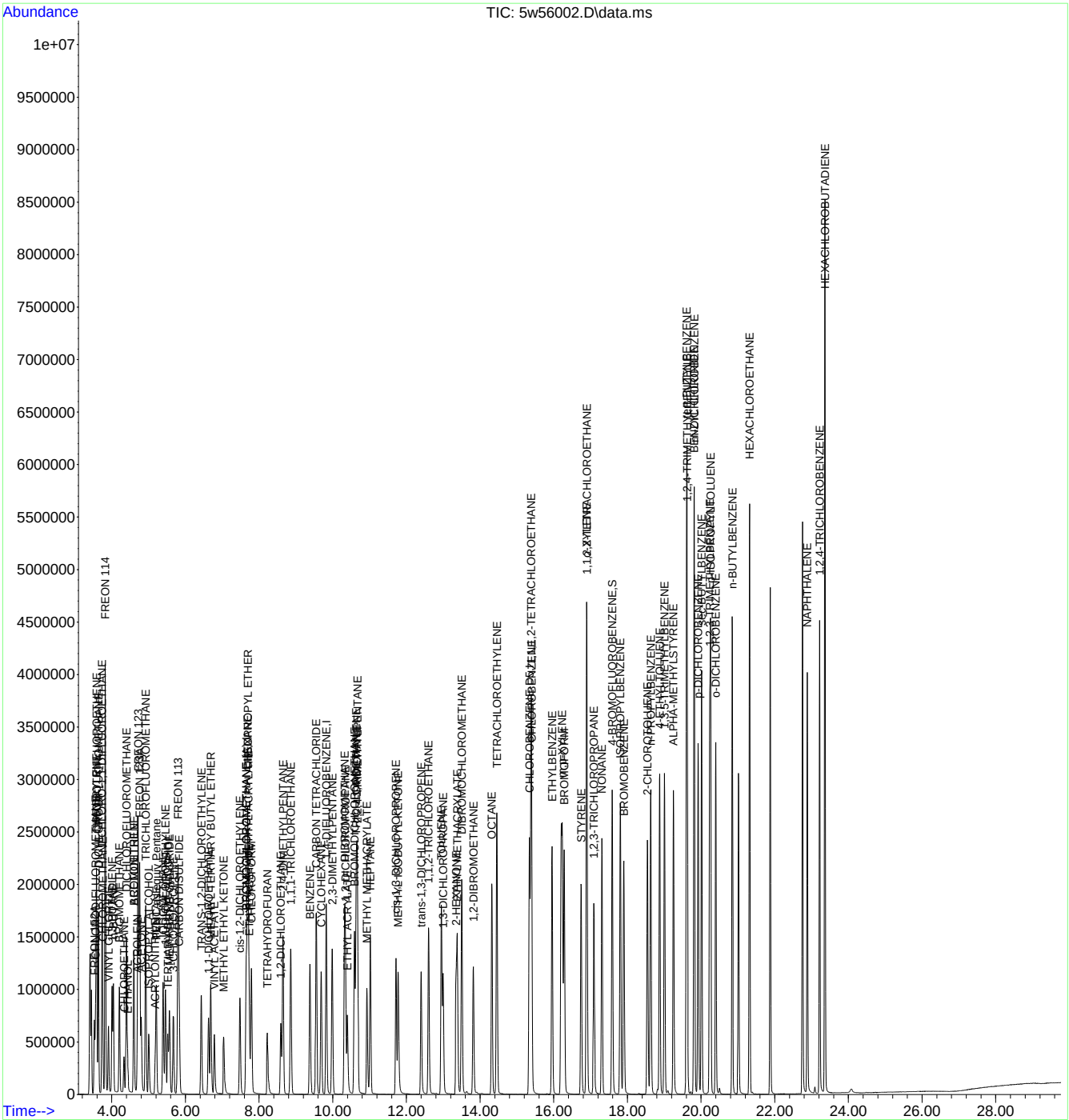
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.657	128	434526	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1816899	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	1045556	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	434526	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1153941	9.11	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 91.10%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	621419	21.65	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	313655	21.43	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.588	116	1572434	21.51	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.637	85	2977330	20.75	PPBV		100
7) PROPYLENE	3.582	41	752019	21.62	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	2895337	19.93	PPBV		99
9) FREON 114	3.821	85	3809279	20.32	PPBV		98
10) CHLOROMETHANE	3.754	52	363893	19.34	PPBV		99
11) VINYL CHLORIDE	3.913	62	1243018	19.01	PPBV		99
12) 1,3-BUTADIENE	4.011	54	850473	19.96	PPBV		100
13) n-BUTANE	4.047	43	1693973	19.89	PPBV		98
14) BROMOMETHANE	4.206	94	1343420	19.71	PPBV		100
15) CHLOROETHANE	4.335	64	542052	19.55	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	2745627	19.61	PPBV		100
17) ACETONITRILE	4.598	41	954367	18.83	PPBV		100
18) ACROLEIN	4.690	56	447716	19.78	PPBV		100
19) FREON 123	4.714	83	3012225	19.77	PPBV		100
20) FREON 123A	4.757	117	1780666	20.63	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.922	101	2946235	19.85	PPBV		99
22) ISOPROPYL ALCOHOL	5.002	45	1528103	20.27	PPBV		99
23) ACETONE	4.800	58	460132	19.07	PPBV		98
24) PENTANE	5.210	42	818760	20.92	PPBV		99
25) IODOMETHANE	5.399	142	2703927	21.83	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.460	96	821443	20.79	PPBV		100
27) CARBON DISULFIDE	5.834	76	2338771	20.39	PPBV		99
28) ETHANOL	4.433	45	593357	18.47	PPBV		100
29) BROMOETHENE	4.598	106	1335979	20.24	PPBV		100
30) ACRYLONITRILE	5.179	52	496198	21.70	PPBV		100
31) METHYLENE CHLORIDE	5.571	84	753199	20.29	PPBV		99
32) 3-CHLOROPROPENE	5.675	76	384693	20.56	PPBV		99
33) FREON 113	5.797	151	1553085	21.14	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.433	96	878068	20.73	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.515	59	1415439	19.52	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.684	73	2319918	21.54	PPBV		99
37) TETRAHYDROFURAN	8.213	72	388102	20.99	PPBV		99
38) HEXANE	7.687	57	1333260	22.56	PPBV		98
39) VINYL ACETATE	6.788	86	167697	22.16	PPBV		95
40) 1,1-DICHLOROETHANE	6.629	63	1531299	21.10	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	404027	21.52	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.479	96	961041	21.59	PPBV		100
43) DIISOPROPYL ETHER	7.693	59	401262	22.47	PPBV		97
44) ETHYL ACETATE	7.724	61	285335	21.37	PPBV	#	96
45) METHYL ACRYLATE	7.712	55	1627351	22.11	PPBV		99
46) CHLOROFORM	7.797	83	2001694	20.86	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.648	57	1455295	21.54	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.862	97	2177580	21.68	PPBV		100
49) CARBON TETRACHLORIDE	9.553	117	2458342	21.79	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	1328594	21.93	PPBV		100
52)	BENZENE	9.382	78	2718148	22.89	PPBV		100
53)	CYCLOHEXANE	9.688	84	1092564	22.43	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.988	71	555668	22.39	PPBV		100
55)	TRICHLOROETHYLENE	10.642	95	1372842	22.39	PPBV		100
56)	1,2-DICHLOROPROPANE	10.348	63	1012028	21.69	PPBV		99
57)	DIBROMOMETHANE	10.324	174	1430206	22.71	PPBV		99
58)	ETHYL ACRYLATE	10.397	55	1893212	22.18	PPBV		100
59)	BROMODICHLOROMETHANE	10.593	83	2414775	21.82	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	3953616	21.93	PPBV		100
61)	1,4-DIOXANE	10.648	88	653956	21.94	PPBV	#	30
62)	HEPTANE	11.021	43	1508202	22.57	PPBV		99
63)	METHYL METHACRYLATE	10.924	69	949209	22.63	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.774	58	793428	22.64	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.719	75	1822087	22.68	PPBV		98
66)	TOLUENE	12.955	92	2050052	22.45	PPBV		99
67)	1,3-DICHLOROPROPANE	12.997	76	1653441	21.69	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	1658062	21.97	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.606	83	1145226	22.29	PPBV		99
71)	2-HEXANONE	13.340	58	1168719	20.51	PPBV		99
72)	ETHYL METHACRYLATE	13.377	69	1691832	19.99	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	1596803	21.20	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.505	129	2871234	20.25	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	2215748	21.02	PPBV		100
76)	OCTANE	14.325	43	2254444	21.05	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	1954709	21.77	PPBV		99
78)	CHLOROBENZENE	15.402	112	3090812	21.03	PPBV		99
79)	ETHYLBENZENE	15.952	91	4614221	21.04	PPBV		100
80)	m,p-XYLENE	16.228	106	3679265	41.24	PPBV		97
81)	o-XYLENE	16.894	106	1859671	21.49	PPBV		98
82)	STYRENE	16.748	104	2810549	21.37	PPBV		100
83)	NONANE	17.310	43	2339892	20.65	PPBV		100
84)	BROMOFORM	16.283	173	2941281	20.79	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	3169455	21.12	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1986091	19.65	PPBV		99
88)	ISOPROPYLBENZENE	17.812	105	5203481	20.19	PPBV		99
89)	BROMOBENZENE	17.904	77	2438548	19.63	PPBV		99
90)	2-CHLOROTOLUENE	18.546	126	1410347	19.96	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	1458040	20.14	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	5289712	20.76	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	4364322	20.75	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.256	118	2316923	20.18	PPBV		100
95)	tert-BUTYLBENZENE	19.611	134	1112078	22.42	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	4901595	21.62	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	3594897	20.45	PPBV		99
98)	BENZYL CHLORIDE	19.813	91	4455917	20.69	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	3378793	20.79	PPBV		100
100)	sec-BUTYLBENZENE	20.014	134	1232823	20.81	PPBV		94
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	4670537	20.57	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	1469746	21.10	PPBV		96
103)	o-DICHLOROBENZENE	20.400	146	3159672	20.25	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	1460466	21.25	PPBV		95
105)	HEXACHLOROETHANE	21.318	117	2569824	22.35	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	3473189	23.22	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.220	180	2919332	21.34	PPBV		99
108)	NAPHTHALENE	22.884	128	6572790	20.42	PPBV		98
110)	TVHC as equiv Pentane	5.210	TIC	5392363	21.16	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

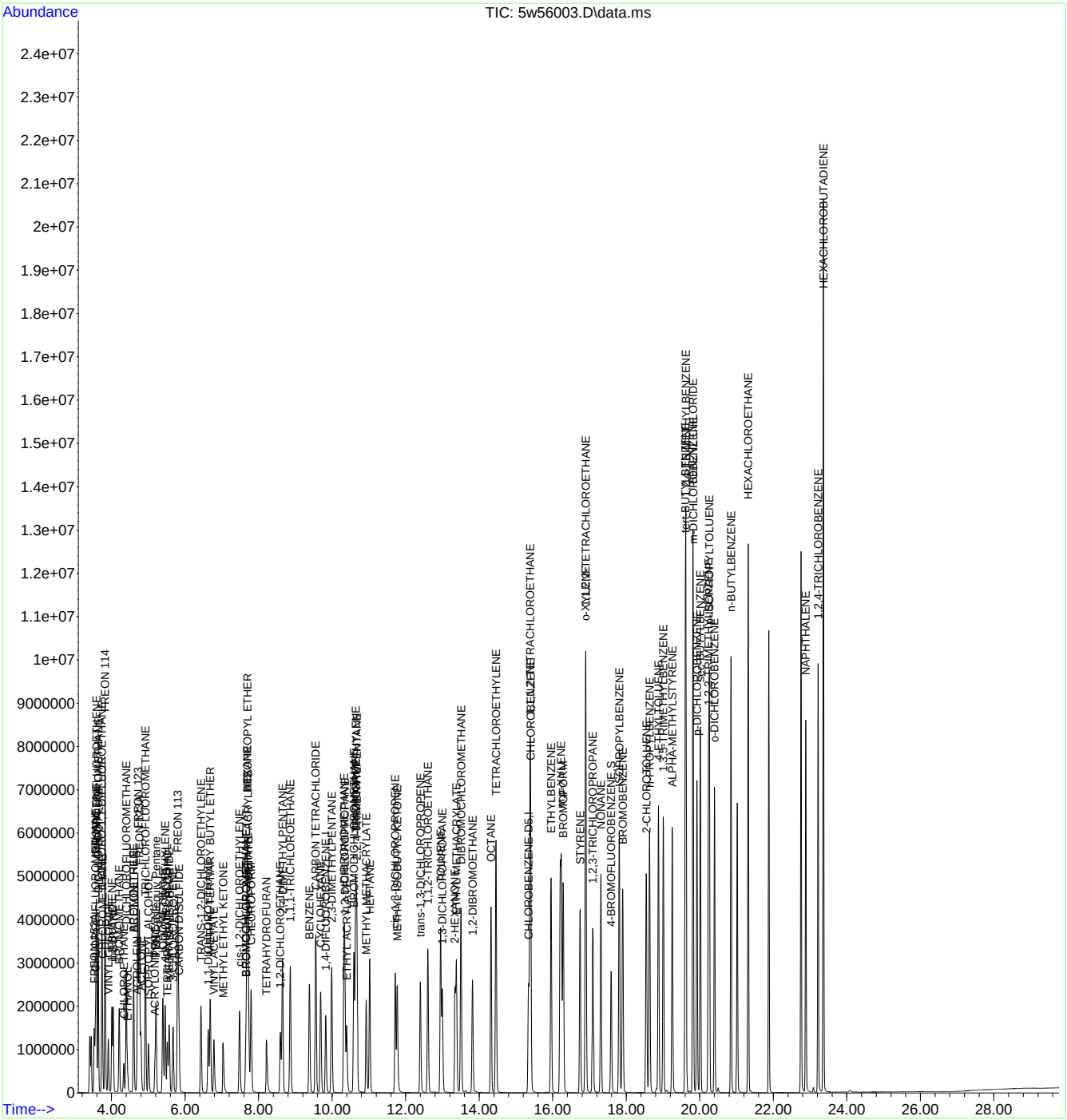
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	463457	10.00	PPBV		0.01
51) 1,4-DIFLUOROBENZENE	9.828	114	1816263	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	1233579	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	463457	10.00	PPBV	#	0.01
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1182267	7.91	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 79.10%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	1313525	42.92	PPBV		100
4) CHLORODIFLUOROMETHANE	3.564	67	669206	42.88	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.588	116	3303540	42.37	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.637	85	5924521	38.71	PPBV		98
7) PROPYLENE	3.582	41	1545166	41.64	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.741	65	5434243	35.06	PPBV		99
9) FREON 114	3.827	85	6910409	34.56	PPBV		95
10) CHLOROMETHANE	3.754	52	685907	34.18	PPBV		97
11) VINYL CHLORIDE	3.913	62	2325794	33.35	PPBV		99
12) 1,3-BUTADIENE	4.010	54	1615444	35.54	PPBV		99
13) n-BUTANE	4.047	43	3126491	34.41	PPBV		97
14) BROMOMETHANE	4.212	94	2579516	35.48	PPBV		100
15) CHLOROETHANE	4.335	64	1043925	35.30	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	5148208	34.47	PPBV		99
17) ACETONITRILE	4.604	41	1797325	33.25	PPBV		100
18) ACROLEIN	4.696	56	856085	35.47	PPBV		99
19) FREON 123	4.720	83	5649979	34.76	PPBV		99
20) FREON 123A	4.763	117	3396789	36.90	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.922	101	5347861	33.77	PPBV		99
22) ISOPROPYL ALCOHOL	5.008	45	2814813	35.00	PPBV		99
23) ACETONE	4.800	58	854983	33.22	PPBV		98
24) PENTANE	5.216	42	1680798	40.27	PPBV		99
25) IODOMETHANE	5.399	142	5667109	42.89	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.466	96	1686480	40.03	PPBV		99
27) CARBON DISULFIDE	5.834	76	4719896	38.58	PPBV		99
28) ETHANOL	4.439	45	1045319	30.51	PPBV		100
29) BROMOETHENE	4.598	106	2593532	36.84	PPBV		99
30) ACRYLONITRILE	5.185	52	1015671	41.65	PPBV		100
31) METHYLENE CHLORIDE	5.577	84	1513955	38.23	PPBV		99
32) 3-CHLOROPROPENE	5.681	76	786083	39.39	PPBV		99
33) FREON 113	5.803	151	3337642	42.59	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.433	96	1847874	40.91	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.522	59	2802992	36.24	PPBV		99
36) METHYL TERTIARY BUTYL ...	6.684	73	4784081	41.64	PPBV		99
37) TETRAHYDROFURAN	8.213	72	796260	40.37	PPBV		99
38) HEXANE	7.693	57	2975650	47.22	PPBV		94
39) VINYL ACETATE	6.794	86	351807	43.59	PPBV		96
40) 1,1-DICHLOROETHANE	6.635	63	3126939	40.40	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	829209	41.41	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.485	96	2014871	42.45	PPBV		99
43) DIISOPROPYL ETHER	7.699	59	899567	47.22	PPBV	#	89
44) ETHYL ACETATE	7.730	61	602807	42.33	PPBV	#	95
45) METHYL ACRYLATE	7.718	55	3489782	44.45	PPBV		98
46) CHLOROFORM	7.803	83	4050601	39.58	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.654	57	3041808	42.21	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	4577105	42.72	PPBV		99
49) CARBON TETRACHLORIDE	9.553	117	5195370	43.17	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	8.593	62	2783787	43.08	PPBV		99
52) BENZENE	9.388	78	5575931	46.96	PPBV		100
53) CYCLOHEXANE	9.688	84	2227364	45.74	PPBV		100
54) 2,3-DIMETHYLPENTANE	9.994	71	1178604	47.52	PPBV		97
55) TRICHLOROETHYLENE	10.648	95	3029245	49.43	PPBV		99
56) 1,2-DICHLOROPROPANE	10.348	63	2149668	46.09	PPBV		98
57) DIBROMOMETHANE	10.330	174	3216239	51.09	PPBV		97
58) ETHYL ACRYLATE	10.397	55	3866736	45.31	PPBV		100
59) BROMODICHLOROMETHANE	10.599	83	5107482	46.16	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	8140990	45.18	PPBV		99
61) 1,4-DIOXANE	10.648	88	1380216	46.31	PPBV	#	4
62) HEPTANE	11.021	43	3121426	46.72	PPBV		99
63) METHYL METHACRYLATE	10.930	69	1918384	45.76	PPBV		94
64) METHYL ISOBUTYL KETONE	11.774	58	1646344	46.98	PPBV		98
65) cis-1,3-DICHLOROPROPENE	11.725	75	3878154	48.30	PPBV		82
66) TOLUENE	12.955	92	4335330	47.50	PPBV		97
67) 1,3-DICHLOROPROPANE	13.004	76	3351482	43.99	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.404	75	3512148	46.55	PPBV		99
69) 1,1,2-TRICHLOROETHANE	12.606	83	2416703	47.05	PPBV		99
71) 2-HEXANONE	13.346	58	2486289	36.99	PPBV		97
72) ETHYL METHACRYLATE	13.383	69	3557297	35.63	PPBV		99
73) TETRACHLOROETHYLENE	14.460	164	3513468	39.53	PPBV		99
74) DIBROMOCHLOROMETHANE	13.505	129	6133323	36.67	PPBV		99
75) 1,2-DIBROMOETHANE	13.823	107	4715997	37.92	PPBV		100
76) OCTANE	14.325	43	4800379	37.99	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	15.389	131	4417529	41.70	PPBV		99
78) CHLOROBENZENE	15.408	112	6693342	38.60	PPBV		99
79) ETHYLBENZENE	15.958	91	9574223	37.00	PPBV		97
80) m,p-XYLENE	16.240	106	7978307	75.80	PPBV		93
81) o-XYLENE	16.901	106	4144196	40.59	PPBV		94
82) STYRENE	16.748	104	5970343	38.48	PPBV		98
83) NONANE	17.310	43	4905607	36.69	PPBV		98
84) BROMOFORM	16.289	173	6432057	38.53	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	6816037	38.50	PPBV		98
87) 1,2,3-TRICHLOROPROPANE	17.096	75	4119611	34.54	PPBV		98
88) ISOPROPYLBENZENE	17.818	105	10798380	35.50	PPBV		96
89) BROMOBENZENE	17.910	77	5169169	35.28	PPBV		99
90) 2-CHLOROTOLUENE	18.546	126	3059482	36.70	PPBV		100
91) n-PROPYLBENZENE	18.638	120	3133720	36.69	PPBV		99
92) 4-ETHYLTOLUENE	18.877	105	10770860	35.82	PPBV		95
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	9069061	36.54	PPBV		97
94) ALPHA-METHYLSTYRENE	19.256	118	5009441	36.98	PPBV		100
95) tert-BUTYLBENZENE	19.617	134	2514308	42.97	PPBV	#	83
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	10058533	37.60	PPBV		96
97) m-DICHLOROBENZENE	19.825	146	7654903	36.91	PPBV		97
98) BENZYL CHLORIDE	19.819	91	9367441	36.86	PPBV		97
99) p-DICHLOROBENZENE	19.929	146	7096089	37.01	PPBV		98
100) sec-BUTYLBENZENE	20.021	134	2677703	38.31	PPBV	#	76
101) 1,2,3-TRIMETHYLBENZENE	20.241	105	9874415	36.86	PPBV	#	95
102) p-ISOPROPYLTOLUENE	20.265	134	3260667	39.67	PPBV	#	81
103) o-DICHLOROBENZENE	20.406	146	6669438	36.22	PPBV		97
104) n-BUTYLBENZENE	20.859	134	3237040	39.92	PPBV	#	79
105) HEXACHLOROETHANE	21.317	117	5546503	40.89	PPBV		97
106) HEXACHLOROBUTADIENE	23.367	225	7589685	43.00	PPBV		96
107) 1,2,4-TRICHLOROBENZENE	23.226	180	6578217	40.77	PPBV		99
108) NAPHTHALENE	22.890	128	12693881	33.43	PPBV		93
110) TVHC as equiv Pentane	5.210	TIC	10891547	40.07	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

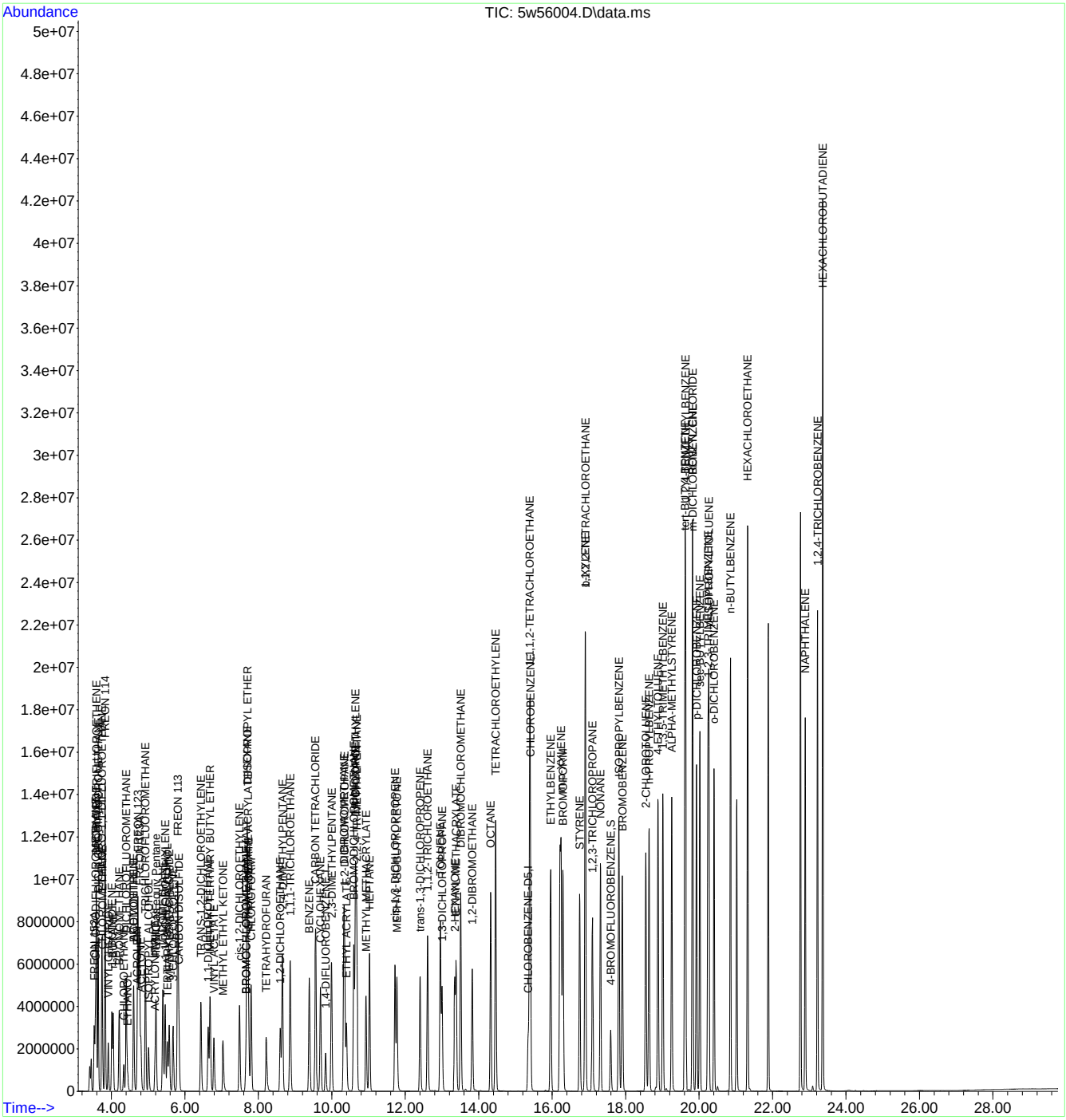
7.2.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	497435	10.00	PPBV		0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	1886774	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	1356790	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	497435	10.00	PPBV	#	0.01
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1243016	7.57	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 75.70%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	1749664	53.26	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	897522	53.58	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.589	116	4418612	52.80	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.638	85	7524551	45.81	PPBV		97
7) PROPYLENE	3.582	41	2025072	50.85	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	6709737	40.34	PPBV		98
9) FREON 114	3.821	85	8385821	39.07	PPBV		93
10) CHLOROMETHANE	3.754	52	867377	40.28	PPBV		98
11) VINYL CHLORIDE	3.913	62	2901207	38.75	PPBV		99
12) 1,3-BUTADIENE	4.011	54	2028131	41.57	PPBV		98
13) n-BUTANE	4.047	43	3901013	40.00	PPBV		97
14) BROMOMETHANE	4.213	94	3234642	41.45	PPBV		100
15) CHLOROETHANE	4.335	64	1310686	41.30	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	6364290	39.70	PPBV		99
17) ACETONITRILE	4.604	41	2216393	38.20	PPBV		100
18) ACROLEIN	4.696	56	1070913	41.34	PPBV		99
19) FREON 123	4.714	83	6969297	39.95	PPBV		98
20) FREON 123A	4.757	117	4245728	42.97	PPBV		93
21) TRICHLOROFLUOROMETHANE	4.922	101	7105408	41.81	PPBV		98
22) ISOPROPYL ALCOHOL	5.008	45	3532732	40.93	PPBV		99
23) ACETONE	4.800	58	1064429	38.53	PPBV		96
24) PENTANE	5.210	42	2186622	48.81	PPBV		99
25) IODOMETHANE	5.399	142	7499312	52.88	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.461	96	2210434	48.88	PPBV		98
27) CARBON DISULFIDE	5.834	76	6100461	46.45	PPBV		99
28) ETHANOL	4.439	45	1302028	35.40	PPBV		99
29) BROMOETHENE	4.598	106	3274098	43.33	PPBV		99
30) ACRYLONITRILE	5.185	52	1335961	51.04	PPBV		100
31) METHYLENE CHLORIDE	5.577	84	1953852	45.97	PPBV		99
32) 3-CHLOROPROPENE	5.675	76	1016926	47.47	PPBV		99
33) FREON 113	5.803	151	4499942	53.50	PPBV		97
34) TRANS-1,2-DICHLOROETHY...	6.433	96	2457622	50.69	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.522	59	3477527	41.90	PPBV		99
36) METHYL TERTIARY BUTYL ...	6.684	73	6261123	50.78	PPBV		99
37) TETRAHYDROFURAN	8.214	72	1048188	49.51	PPBV		98
38) HEXANE	7.694	57	3906208	57.75	PPBV		92
39) VINYL ACETATE	6.794	86	462885	53.44	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.635	63	4088054	49.21	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	1087644	50.61	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.486	96	2672106	52.45	PPBV		98
43) DIISOPROPYL ETHER	7.700	59	1186878	58.05	PPBV	#	84
44) ETHYL ACETATE	7.730	61	784784	51.35	PPBV	#	94
45) METHYL ACRYLATE	7.718	55	4530336	53.76	PPBV		98
46) CHLOROFORM	7.804	83	5279616	48.07	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.654	57	4017217	51.93	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	6061383	52.71	PPBV		99
49) CARBON TETRACHLORIDE	9.553	117	6881483	53.28	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.593	62	3699368	53.34	PPBV		99
52)	BENZENE	9.388	78	7301089	59.20	PPBV		99
53)	CYCLOHEXANE	9.688	84	2934434	58.01	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.994	71	1566174	60.78	PPBV		96
55)	TRICHLOROETHYLENE	10.648	95	4030473	63.31	PPBV		100
56)	1,2-DICHLOROPROPANE	10.355	63	2813295	58.06	PPBV		98
57)	DIBROMOMETHANE	10.330	174	4403598	67.34	PPBV		95
58)	ETHYL ACRYLATE	10.404	55	5009422	56.51	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	6768241	58.89	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	10419434	55.66	PPBV		98
61)	1,4-DIOXANE	10.648	88	1832277	59.18	PPBV	#	1
62)	HEPTANE	11.028	43	4076581	58.73	PPBV		98
63)	METHYL METHACRYLATE	10.930	69	2529551	58.08	PPBV		95
64)	METHYL ISOBUTYL KETONE	11.774	58	2175500	59.76	PPBV		95
65)	cis-1,3-DICHLOROPROPENE	11.725	75	5144419	61.67	PPBV		82
66)	TOLUENE	12.955	92	5758163	60.73	PPBV		95
67)	1,3-DICHLOROPROPANE	13.004	76	4399651	55.59	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	4674960	59.65	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.606	83	3208086	60.12	PPBV		99
71)	2-HEXANONE	13.346	58	3288192	44.48	PPBV		94
72)	ETHYL METHACRYLATE	13.383	69	4663618	42.47	PPBV		99
73)	TETRACHLOROETHYLENE	14.466	164	4734534	48.44	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.505	129	8078960	43.91	PPBV		98
75)	1,2-DIBROMOETHANE	13.823	107	6285538	45.95	PPBV		100
76)	OCTANE	14.331	43	6220766	44.76	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	5897106	50.61	PPBV		99
78)	CHLOROBENZENE	15.408	112	8787014	46.08	PPBV		99
79)	ETHYLBENZENE	15.959	91	12382680	43.51	PPBV		95
80)	m,p-XYLENE	16.240	106	10634363	91.86	PPBV		89
81)	o-XYLENE	16.907	106	5460474	48.63	PPBV		92
82)	STYRENE	16.748	104	7952309	46.60	PPBV		98
83)	NONANE	17.317	43	6343459	43.14	PPBV		97
84)	BROMOFORM	16.295	173	8534379	46.49	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	8688540	44.62	PPBV		97
87)	1,2,3-TRICHLOROPROPANE	17.096	75	5426568	41.37	PPBV		96
88)	ISOPROPYLBENZENE	17.818	105	13921490	41.62	PPBV		94
89)	BROMOBENZENE	17.910	77	6792368	42.15	PPBV		96
90)	2-CHLOROTOLUENE	18.546	126	4153269	45.30	PPBV		99
91)	n-PROPYLBENZENE	18.638	120	4184437	44.54	PPBV		99
92)	4-ETHYLTOLUENE	18.883	105	13700466	41.43	PPBV		92
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	11622862	42.58	PPBV		94
94)	ALPHA-METHYLSTYRENE	19.256	118	6681294	44.84	PPBV		99
95)	tert-BUTYLBENZENE	19.617	134	3324681	51.66	PPBV	#	76
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	12484321	42.43	PPBV		93
97)	m-DICHLOROBENZENE	19.825	146	9874832	43.28	PPBV		96
98)	BENZYL CHLORIDE	19.819	91	11671042	41.75	PPBV		94
99)	p-DICHLOROBENZENE	19.929	146	9204051	43.65	PPBV		96
100)	sec-BUTYLBENZENE	20.021	134	3558456	46.29	PPBV	#	64
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	12487851	42.38	PPBV	#	92
102)	p-ISOPROPYLTOLUENE	20.272	134	4287515	47.43	PPBV	#	72
103)	o-DICHLOROBENZENE	20.412	146	8710849	43.02	PPBV		96
104)	n-BUTYLBENZENE	20.859	134	4311237	48.34	PPBV	#	67
105)	HEXACHLOROETHANE	21.318	117	7025634	47.09	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	9570477	49.30	PPBV		95
107)	1,2,4-TRICHLOROBENZENE	23.226	180	8724184	49.16	PPBV		97
108)	NAPHTHALENE	22.890	128	15541142	37.21	PPBV		89
110)	TVHC as equiv Pentane	5.210	TIC	14211123	48.71	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

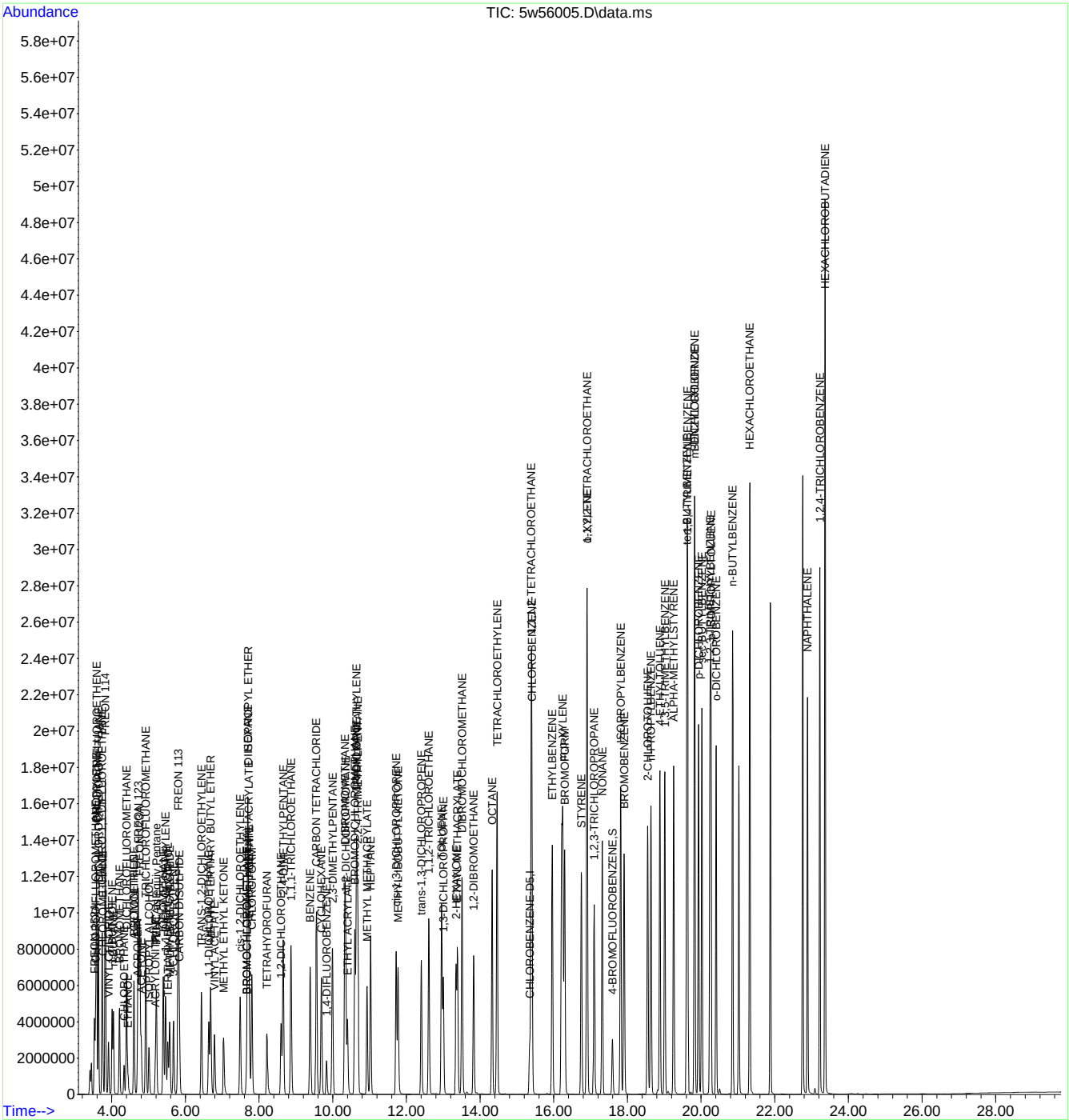
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/09/25 21:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.645	128	456086	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	2018572	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.334	82	942297	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.645	128	456086	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.580	95	1217626	10.97	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.70%				
Target Compounds							Qvalue
3) FREON 152A	3.521	65	15241	0.47	PPBV		99
4) CHLORODIFLUOROMETHANE	3.558	67	7516	0.51	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.582	116	36308	0.48	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.631	85	76211	0.52	PPBV		99
7) PROPYLENE	3.582	41	18531	0.51	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	80285	0.54	PPBV		99
9) FREON 114	3.821	85	111275	0.59	PPBV		98
10) CHLOROMETHANE	3.754	52	10154	0.51	PPBV		96
11) VINYL CHLORIDE	3.907	62	36603	0.55	PPBV		100
12) 1,3-BUTADIENE	4.004	54	24018	0.53	PPBV		96
13) n-BUTANE	4.041	43	51604	0.55	PPBV	#	93
14) BROMOMETHANE	4.206	94	38353	0.53	PPBV		96
15) CHLOROETHANE	4.329	64	16659	0.55	PPBV		95
16) DICHLOROFLUOROMETHANE	4.396	67	82529	0.56	PPBV		99
17) ACETONITRILE	4.610	41	28690	0.52	PPBV		89
18) ACROLEIN	4.702	56	14976	0.62	PPBV		99
19) FREON 123	4.714	83	88981	0.56	PPBV		100
20) FREON 123A	4.757	117	52204	0.58	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.916	101	99789	0.63	PPBV		99
22) ISOPROPYL ALCOHOL	5.038	45	53360	0.61	PPBV		96
23) ACETONE	4.824	58	15980	0.59	PPBV		92
24) PENTANE	5.204	42	22387	0.52	PPBV		99
25) IODOMETHANE	5.393	142	68274	0.54	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.454	96	22110	0.53	PPBV		99
27) CARBON DISULFIDE	5.828	76	63938	0.54	PPBV		98
28) ETHANOL	4.445	45	24515m	0.74	PPBV		
29) BROMOETHENE	4.598	106	37784	0.55	PPBV		99
30) ACRYLONITRILE	5.197	52	12681	0.49	PPBV		96
31) METHYLENE CHLORIDE	5.564	84	22291	0.54	PPBV		97
32) 3-CHLOROPROPENE	5.668	76	9582	0.53	PPBV		85
33) FREON 113	5.797	151	41134	0.53	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.427	96	22768	0.52	PPBV		98
35) TERTIARY BUTYL ALCOHOL	5.577	59	35853	0.50	PPBV		93
36) METHYL TERTIARY BUTYL ...	6.727	73	54188	0.52	PPBV		95
37) TETRAHYDROFURAN	8.293	72	8029	0.48	PPBV		92
38) HEXANE	7.687	57	29355	0.50	PPBV		96
39) VINYL ACETATE	6.813	86	2248	0.33	PPBV	#	12
40) 1,1-DICHLOROETHANE	6.623	63	40524	0.54	PPBV		98
41) METHYL ETHYL KETONE	7.094	72	8268	0.49	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.473	96	24279	0.51	PPBV		96
43) DIISOPROPYL ETHER	7.718	59	8754	0.50	PPBV		97
44) ETHYL ACETATE	7.767	61	6023	0.47	PPBV	#	70
45) METHYL ACRYLATE	7.755	55	30525m	0.43	PPBV		
46) CHLOROFORM	7.785	83	53854	0.54	PPBV		90
47) 2,4-DIMETHYLPENTANE	8.648	57	32508	0.51	PPBV		93
48) 1,1,1-TRICHLOROETHANE	8.856	97	54755	0.53	PPBV		100
49) CARBON TETRACHLORIDE	9.547	117	58733	0.51	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	32842	0.54	PPBV		100
52)	BENZENE	9.382	78	66179	0.51	PPBV		99
53)	CYCLOHEXANE	9.682	84	25254	0.49	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.981	71	12636	0.48	PPBV		89
55)	TRICHLOROETHYLENE	10.636	95	34247	0.49	PPBV		95
56)	1,2-DICHLOROPROPANE	10.349	63	25751	0.49	PPBV		96
57)	DIBROMOMETHANE	10.324	174	33642	0.45	PPBV		99
58)	ETHYL ACRYLATE	10.446	55	33016	0.38	PPBV		96
59)	BROMODICHLOROMETHANE	10.593	83	59207	0.48	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	94646	0.50	PPBV		98
61)	1,4-DIOXANE	10.728	88	15343	0.49	PPBV	#	1
62)	HEPTANE	11.015	43	35336	0.52	PPBV		98
63)	METHYL METHACRYLATE	10.960	69	19501	0.47	PPBV	#	72
64)	METHYL ISOBUTYL KETONE	11.835	58	13893	0.38	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.725	75	37941	0.47	PPBV		99
66)	TOLUENE	12.955	92	44324	0.47	PPBV		97
67)	1,3-DICHLOROPROPANE	13.004	76	40416	0.51	PPBV	#	98
68)	trans-1,3-DICHLOROPROPENE	12.410	75	31186	0.40	PPBV		93
69)	1,1,2-TRICHLOROETHANE	12.606	83	27279	0.49	PPBV		99
71)	2-HEXANONE	13.407	58	19233	0.45	PPBV		92
72)	ETHYL METHACRYLATE	13.407	69	28149	0.44	PPBV		92
73)	TETRACHLOROETHYLENE	14.454	164	37479	0.56	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.499	129	60963	0.52	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	49397	0.57	PPBV		99
76)	OCTANE	14.325	43	43853	0.53	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	41997	0.53	PPBV		99
78)	CHLOROBENZENE	15.402	112	72039	0.55	PPBV		99
79)	ETHYLBENZENE	15.958	91	93974	0.55	PPBV		98
80)	m,p-XYLENE	16.234	106	74422	1.08	PPBV		96
81)	o-XYLENE	16.901	106	37090	0.55	PPBV		98
82)	STYRENE	16.754	104	46145	0.47	PPBV		97
83)	NONANE	17.304	43	46521	0.55	PPBV		100
84)	BROMOFORM	16.289	173	60883	0.53	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	72801	0.57	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.096	75	51055	0.58	PPBV		100
88)	ISOPROPYLBENZENE	17.812	105	110859	0.54	PPBV		98
89)	BROMOBENZENE	17.910	77	57149	0.54	PPBV		99
90)	2-CHLOROTOLUENE	18.552	126	27937	0.49	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	29368	0.53	PPBV		98
92)	4-ETHYLTOLUENE	18.883	105	102867	0.53	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	91963	0.57	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.262	118	40082	0.47	PPBV		100
95)	tert-BUTYLBENZENE	19.605	134	19550	0.50	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	97153	0.55	PPBV		95
97)	m-DICHLOROBENZENE	19.819	146	79112	0.54	PPBV		97
98)	BENZYL CHLORIDE	19.813	91	77001	0.47	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	81678	0.59	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	25272	0.54	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	97314	0.56	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	30867	0.55	PPBV		97
103)	o-DICHLOROBENZENE	20.406	146	81480	0.61	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	26648	0.50	PPBV		90
105)	HEXACHLOROETHANE	21.318	117	50091	0.53	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	65013	0.50	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.226	180	83432	0.62	PPBV		100
108)	NAPHTHALENE	22.890	128	202362	0.68	PPBV		99
110)	TVHC as equiv Pentane	5.204	TIC	147270	0.54	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration

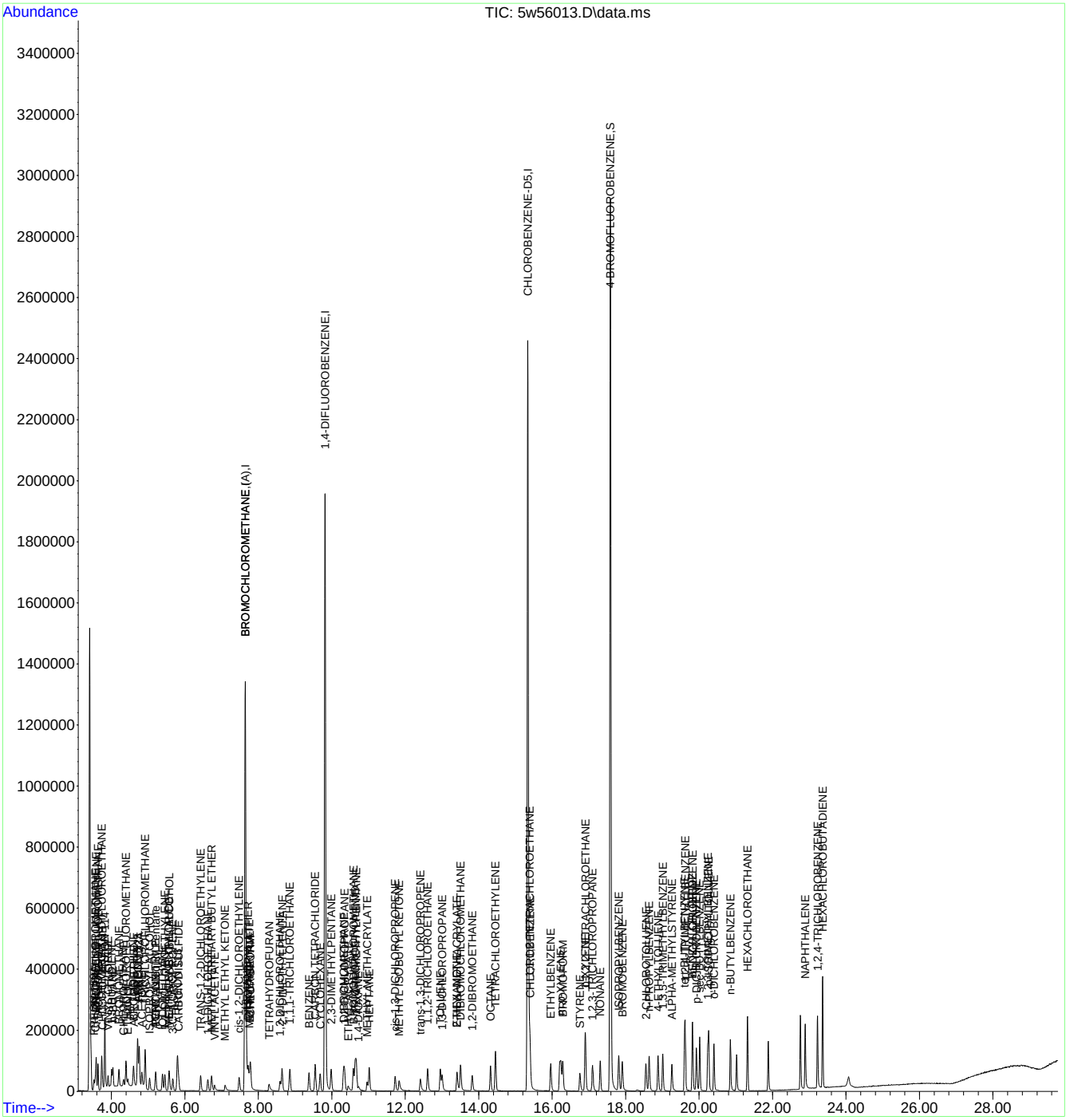
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration



Manual Integration Approval Summary

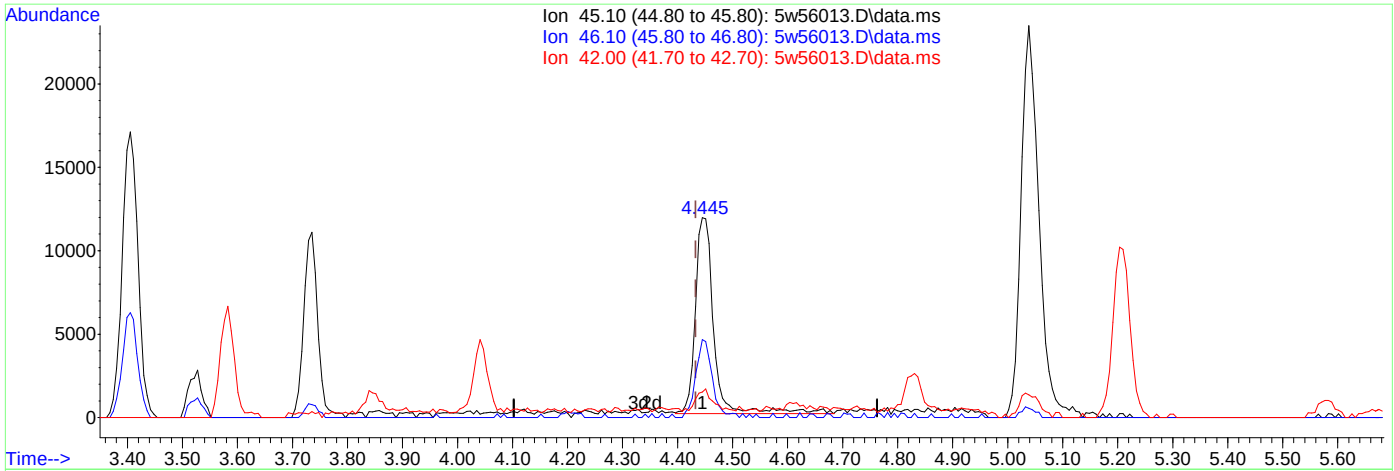
Sample Number: V5W2144-IC2144 **Method:** TO-15
Lab FileID: 5W56013.D **Analyst approved:** 01/09/25 17:26 Thomas Hilbig
Injection Time: 01/09/25 15:02 **Supervisor approved:** 01/09/25 21:50 Kanya Veerawat

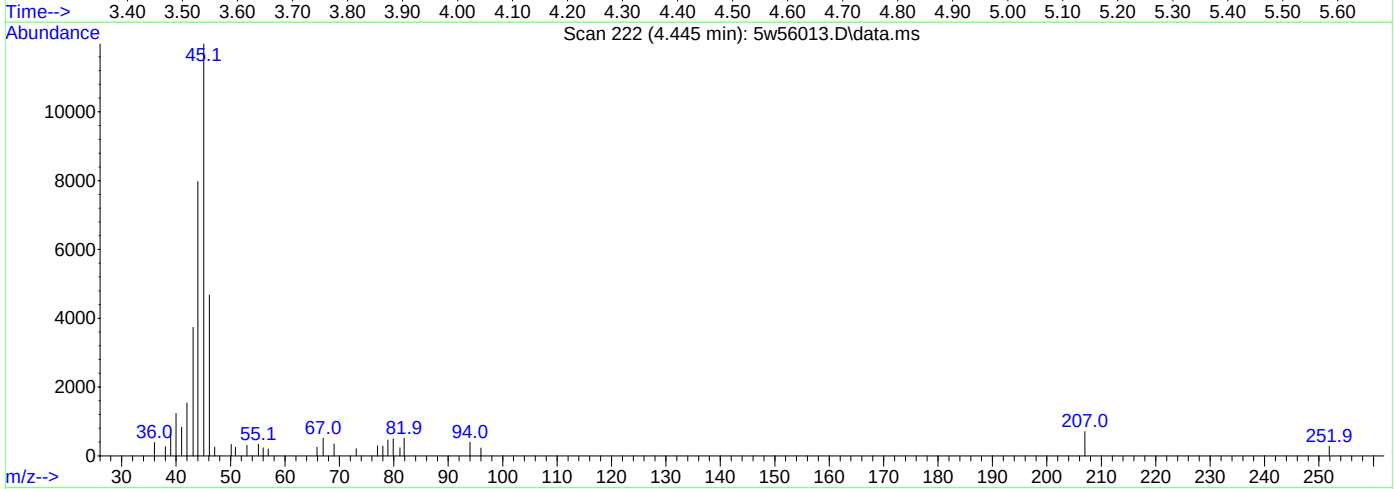
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		4.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration





TIC: 5w56013.D\data.ms

(28) ETHANOL

4.445min (+0.012) 0.82PPBV

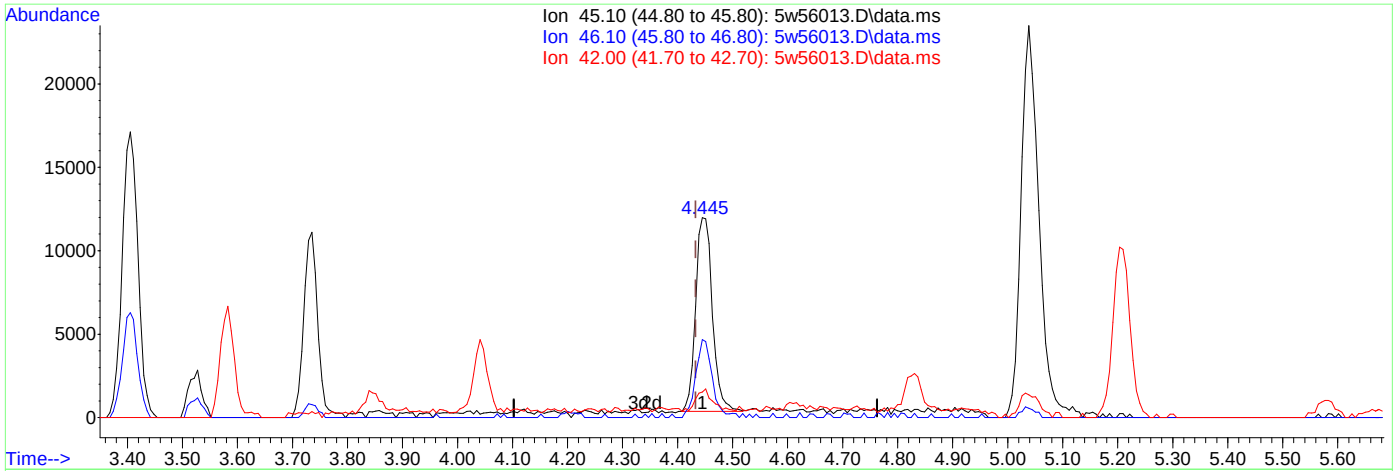
response 27395

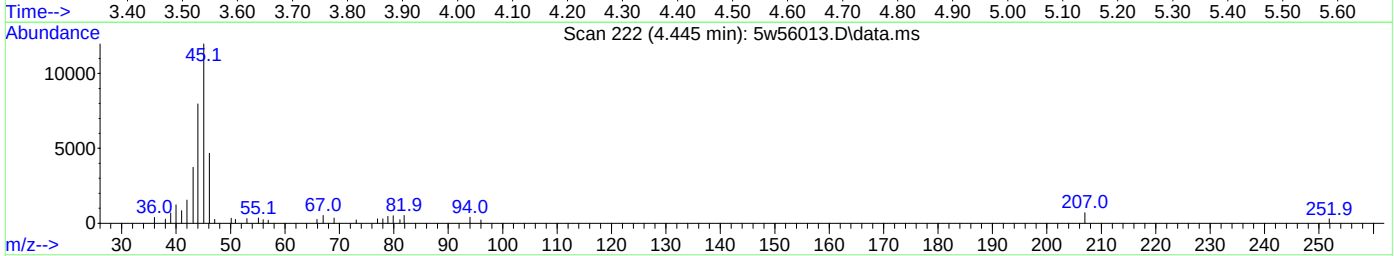
Ion	Exp%	Act%
45.10	100	100
46.10	34.80	35.66
42.00	8.60	9.51
0.00	0.00	0.00

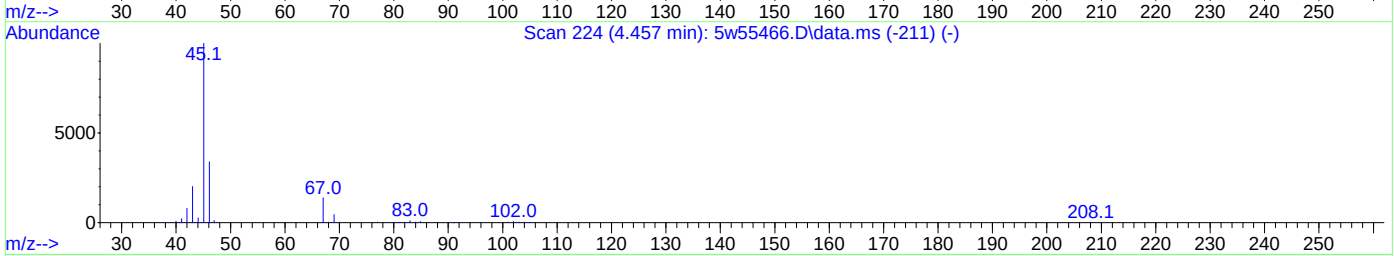
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration







TIC: 5w56013.D\data.ms

(28) ETHANOL

4.445min (+0.012) 0.74PPBV m

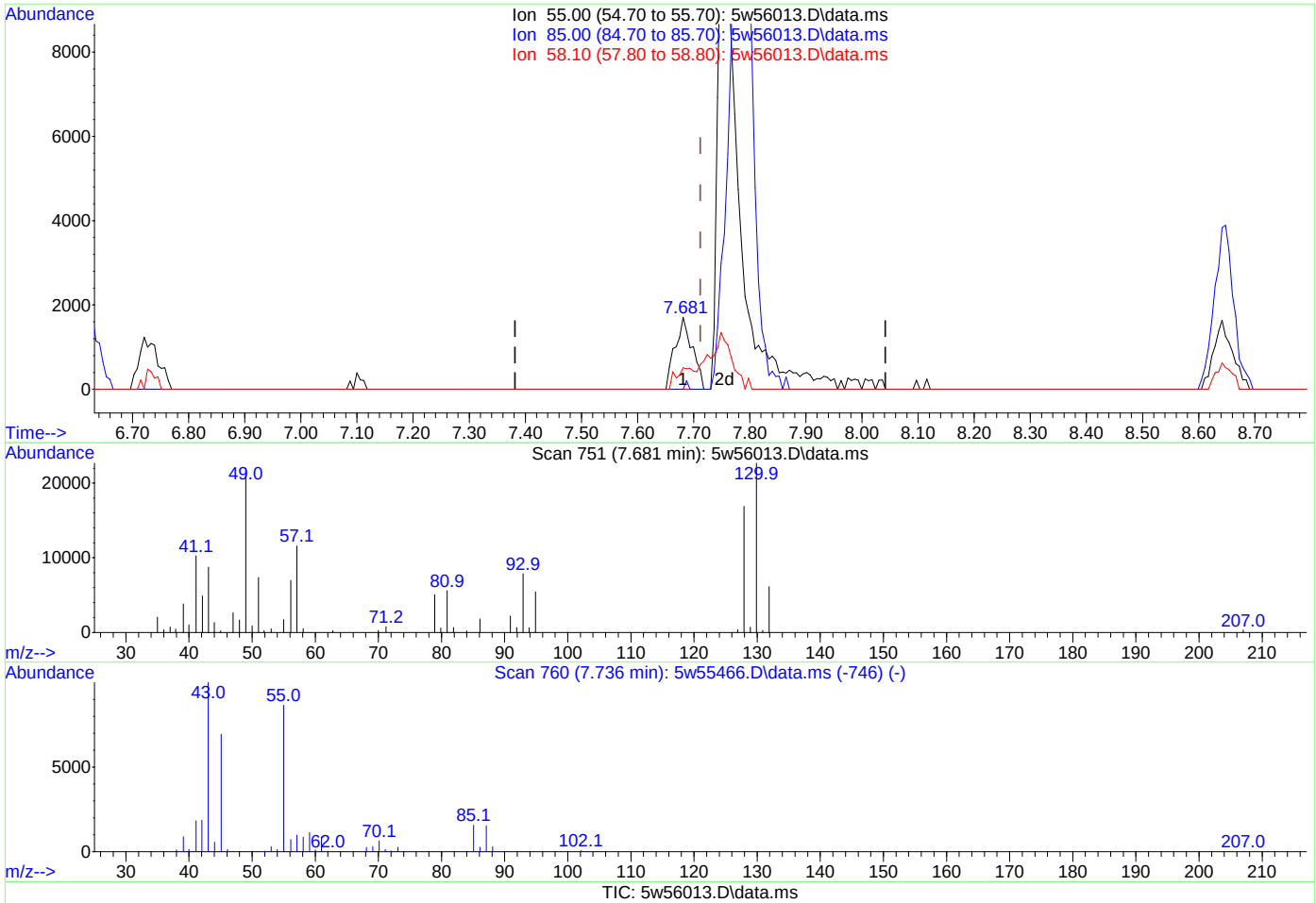
response 24515

Ion	Exp%	Act%
45.10	100	100
46.10	34.80	39.84
42.00	8.60	10.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration



TIC: 5w56013.D\data.ms

(45) METHYL ACRYLATE

7.681min (-0.031) 0.05PPBV

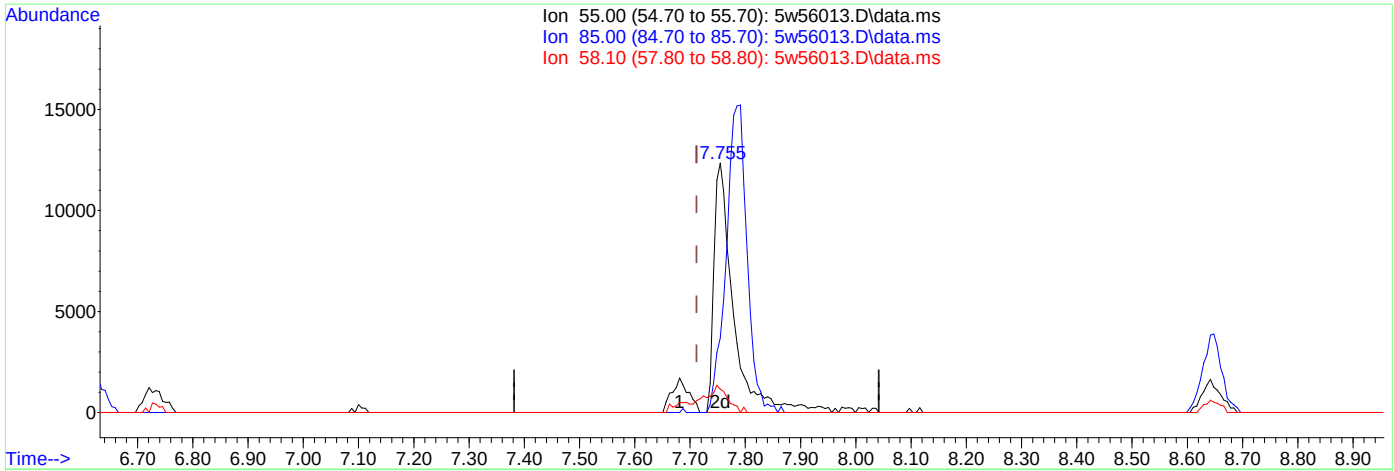
response 3642

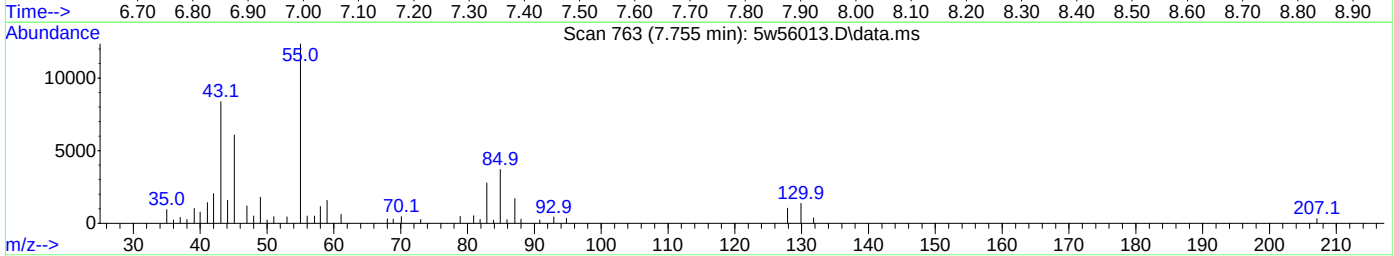
Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	33.99#
0.00	0.00	0.00

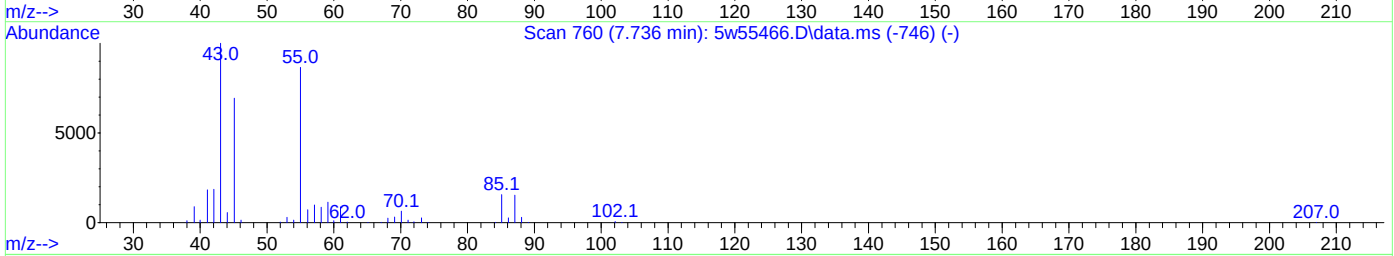
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration







TIC: 5w56013.D\data.ms

(45) METHYL ACRYLATE

7.755min (+0.043) 0.43PPBV m

response 30525

Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	4.06#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.657	128	414799	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1807166	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	948197	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	414799	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1154701	10.34	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 103.40%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	289227	9.84	PPBV		99
4) CHLORODIFLUOROMETHANE	3.564	67	145482	10.90	PPBV		97
5) CHLOROTRIFLUOROETHENE	3.588	116	717923	10.55	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.637	85	1428178	10.81	PPBV		99
7) PROPYLENE	3.582	41	351523	10.58	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.741	65	1452477	10.82	PPBV		100
9) FREON 114	3.827	85	1964258	11.42	PPBV		100
10) CHLOROMETHANE	3.754	52	183601	10.15	PPBV		96
11) VINYL CHLORIDE	3.913	62	635896	10.39	PPBV		99
12) 1,3-BUTADIENE	4.010	54	433278	10.58	PPBV		99
13) n-BUTANE	4.047	43	884387	10.31	PPBV		100
14) BROMOMETHANE	4.212	94	679544	10.33	PPBV		100
15) CHLOROETHANE	4.335	64	276572	10.00	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	1440521	10.75	PPBV		100
17) ACETONITRILE	4.598	41	510952	10.26	PPBV		100
18) ACROLEIN	4.696	56	236797	10.75	PPBV		99
19) FREON 123	4.714	83	1504243	10.39	PPBV		98
20) FREON 123A	4.757	117	832752	10.20	PPBV		99
21) TRICHLOROFLUOROMETHANE	4.922	101	1628930	11.20	PPBV		100
22) ISOPROPYL ALCOHOL	5.008	45	795358	10.35	PPBV		99
23) ACETONE	4.800	58	241144	9.76	PPBV		100
24) PENTANE	5.210	42	405457	10.44	PPBV		99
25) IODOMETHANE	5.399	142	1277549	11.15	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.460	96	402593	10.54	PPBV		100
27) CARBON DISULFIDE	5.834	76	1232259	11.53	PPBV		100
28) ETHANOL	4.433	45	262756	8.81	PPBV		99
29) BROMOETHENE	4.598	106	663348	10.65	PPBV		99
30) ACRYLONITRILE	5.185	52	243515	10.51	PPBV		99
31) METHYLENE CHLORIDE	5.570	84	381826	10.16	PPBV		100
32) 3-CHLOROPROPENE	5.674	76	186992	11.37	PPBV		98
33) FREON 113	5.797	151	758044	10.68	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.433	96	430829	10.75	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.522	59	758894	11.73	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.690	73	1109262	11.66	PPBV		100
37) TETRAHYDROFURAN	8.226	72	187579	12.41	PPBV		99
38) HEXANE	7.687	57	599216	11.08	PPBV		100
39) VINYL ACETATE	6.788	86	77821	12.73	PPBV		99
40) 1,1-DICHLOROETHANE	6.629	63	736903	10.78	PPBV		99
41) METHYL ETHYL KETONE	7.039	72	191185	12.50	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.479	96	452352	10.39	PPBV		99
43) DIISOPROPYL ETHER	7.699	59	182415	11.28	PPBV		99
44) ETHYL ACETATE	7.730	61	138032	11.95	PPBV	#	99
45) METHYL ACRYLATE	7.718	55	768621	11.94	PPBV		99
46) CHLOROFORM	7.797	83	1013419	11.10	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.648	57	693520	11.91	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.862	97	1057653	11.19	PPBV		100
49) CARBON TETRACHLORIDE	9.553	117	1154512	11.07	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.593	62	632294	11.36	PPBV		100
52)	BENZENE	9.382	78	1307052	11.20	PPBV		99
53)	CYCLOHEXANE	9.688	84	521326	11.45	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.987	71	263997	11.29	PPBV		100
55)	TRICHLOROETHYLENE	10.642	95	639549	10.27	PPBV		100
56)	1,2-DICHLOROPROPANE	10.348	63	487681	10.40	PPBV		99
57)	DIBROMOMETHANE	10.324	174	668080	9.97	PPBV		99
58)	ETHYL ACRYLATE	10.397	55	918706	11.94	PPBV		100
59)	BROMODICHLOROMETHANE	10.593	83	1165557	10.59	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	1912600	11.40	PPBV		100
61)	1,4-DIOXANE	10.660	88	300368	10.89	PPBV	#	58
62)	HEPTANE	11.015	43	721875	11.79	PPBV		99
63)	METHYL METHACRYLATE	10.923	69	458096	12.41	PPBV		100
64)	METHYL ISOBUTYL KETONE	11.780	58	379009	11.86	PPBV		100
65)	cis-1,3-DICHLOROPROPENE	11.719	75	802724	11.11	PPBV		99
66)	TOLUENE	12.955	92	957244	11.35	PPBV		100
67)	1,3-DICHLOROPROPANE	12.997	76	818803	11.63	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	767637	10.99	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.600	83	554950	11.21	PPBV		100
71)	2-HEXANONE	13.346	58	551156	12.98	PPBV		99
72)	ETHYL METHACRYLATE	13.383	69	831857	12.92	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	756429	11.31	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.499	129	1377497	11.76	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1065269	12.21	PPBV		100
76)	OCTANE	14.319	43	1054891	12.69	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	890077	11.28	PPBV		100
78)	CHLOROBENZENE	15.402	112	1445763	11.08	PPBV		100
79)	ETHYLBENZENE	15.952	91	2201691	12.75	PPBV		99
80)	m,p-XYLENE	16.228	106	1741866	25.17	PPBV		99
81)	o-XYLENE	16.894	106	860563	12.79	PPBV		99
82)	STYRENE	16.741	104	1291901	13.17	PPBV		100
83)	NONANE	17.304	43	1118648	13.08	PPBV		100
84)	BROMOFORM	16.283	173	1378793	12.04	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1537996	11.97	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1008586	11.45	PPBV		100
88)	ISOPROPYLBENZENE	17.806	105	2517153	12.22	PPBV		100
89)	BROMOBENZENE	17.904	77	1216902	11.51	PPBV		100
90)	2-CHLOROTOLUENE	18.540	126	686676	12.07	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	706248	12.87	PPBV		100
92)	4-ETHYLTOLUENE	18.876	105	2534679	12.99	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	2112295	13.16	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	1064001	12.38	PPBV		100
95)	tert-BUTYLBENZENE	19.611	134	510851	12.98	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2316065	13.25	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1729853	11.91	PPBV		100
98)	BENZYL CHLORIDE	19.806	91	2252446	13.17	PPBV		100
99)	p-DICHLOROBENZENE	19.916	146	1652733	12.10	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	604242	12.84	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	2267786	13.19	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	717149	12.85	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1565945	11.81	PPBV		100
104)	n-BUTYLBENZENE	20.852	134	689513	13.05	PPBV		100
105)	HEXACHLOROETHANE	21.311	117	1088044	11.50	PPBV		99
106)	HEXACHLOROBUTADIENE	23.349	225	1542754	12.08	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.208	180	1456412	11.83	PPBV		99
108)	NAPHTHALENE	22.865	128	3623116	13.66	PPBV		100
110)	TVHC as equiv Pentane	5.210	TIC	2587203	10.65	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

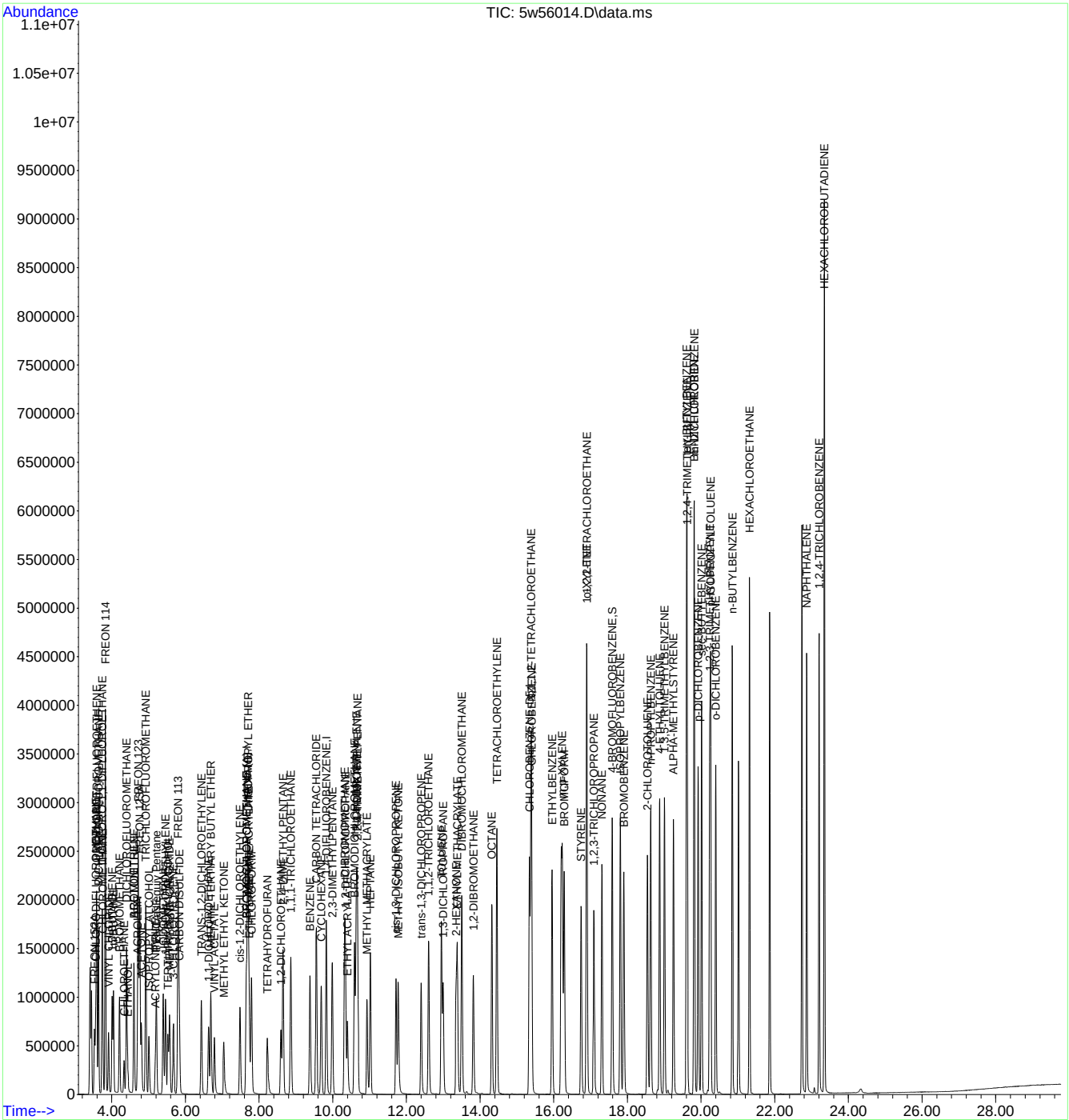
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56371.D
Acq On : 24 Jan 2025 9:35 am
Operator : williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:14:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.651	128	392037	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1751629	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	865857	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	392037	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	1129214	11.07	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.70%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	289534	10.4253	PPBV	92
4) CHLORODIFLUOROMETHANE	3.558	67	127568	10.1082	PPBV	98
5) CHLOROTRIFLUOROETHENE	3.588	116	723399	11.2498	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.637	85	1279213	10.2480	PPBV	98
7) PROPYLENE	3.582	41	453434	14.4394	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1173358	9.2461	PPBV	94
9) FREON 114	3.821	85	1489315	9.1636	PPBV	94
10) CHLOROMETHANE	3.754	52	202874	11.8660	PPBV	97
11) VINYL CHLORIDE	3.913	62	542906	9.3879	PPBV	98
12) 1,3-BUTADIENE	4.011	54	439464	11.3522	PPBV	94
13) n-BUTANE	4.047	43	962191	11.8725	PPBV	96
14) BROMOMETHANE	4.206	94	541745	8.7126	PPBV	99
15) CHLOROETHANE	4.335	64	219744	8.4092	PPBV	90
16) DICHLOROFLUOROMETHANE	4.402	67	1055760	8.3375	PPBV #	96
17) ACETONITRILE	4.598	41	548672	11.6546	PPBV	99
18) ACROLEIN	4.690	56	216187	10.3885	PPBV	94
19) FREON 123	4.714	83	1123010	8.2094	PPBV	99
20) FREON 123A	4.757	117	717100	9.2952	PPBV	92
21) TRICHLOROFLUOROMETHANE	4.922	101	1374060	9.9988	PPBV	100
22) ISOPROPYL ALCOHOL	5.002	45	967200	13.3186	PPBV	95
23) ACETONE	4.800	58	219083	9.3833	PPBV #	68
24) PENTANE	5.210	42	498966	13.5896	PPBV	95
25) IODOMETHANE	5.393	142	1262008	11.6508	PPBV	93
26) 1,1-DICHLOROETHYLENE	5.461	96	378453	10.4843	PPBV	96
27) CARBON DISULFIDE	5.828	76	1048089	10.3726	PPBV	97
28) ETHANOL	4.427	45	322600	11.4415	PPBV	100
29) BROMOETHENE	4.598	106	520207	8.8341	PPBV	96
30) ACRYLONITRILE	5.179	52	300400	13.7129	PPBV	96
31) METHYLENE CHLORIDE	5.565	84	339390	9.5554	PPBV #	76
32) 3-CHLOROPROPENE	5.669	76	169958	10.9323	PPBV #	58
33) FREON 113	5.797	151	700696	10.4483	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.427	96	404343	10.6786	PPBV	96
35) TERTIARY BUTYL ALCOHOL	5.522	59	724127	11.8419	PPBV	96
36) METHYL TERTIARY BUTYL ...	6.684	73	988850	10.9943	PPBV	88
37) TETRAHYDROFURAN	8.220	72	166069	11.6252	PPBV #	56
38) HEXANE	7.681	57	677113	13.2513	PPBV	99
39) VINYL ACETATE	6.782	86	73715	12.7596	PPBV #	22
40) 1,1-DICHLOROETHANE	6.623	63	750617	11.6206	PPBV	96
41) METHYL ETHYL KETONE	7.033	72	170409	11.7857	PPBV #	28
42) cis-1,2-DICHLOROETHYLENE	7.473	96	440579	10.7053	PPBV	96
43) DIISOPROPYL ETHER	7.693	59	195909	12.8227	PPBV #	65
44) ETHYL ACETATE	7.724	61	137173	12.5693	PPBV #	75
45) METHYL ACRYLATE	7.712	55	876988	14.4084	PPBV	94
46) CHLOROFORM	7.791	83	878505	10.1838	PPBV	97
47) 2,4-DIMETHYLPENTANE	8.642	57	773452	14.0525	PPBV	97
48) 1,1,1-TRICHLOROETHANE	8.856	97	923317	10.3359	PPBV	99
49) CARBON TETRACHLORIDE	9.547	117	1047457	10.6284	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56371.D
Acq On : 24 Jan 2025 9:35 am
Operator : williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:14:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	602788	11.4599	PPBV		98
52)	BENZENE	9.382	78	1184836	10.4757	PPBV		95
53)	CYCLOHEXANE	9.682	84	480983	10.8943	PPBV		82
54)	2,3-DIMETHYLPENTANE	9.982	71	235009	10.3674	PPBV	#	67
55)	TRICHLOROETHYLENE	10.636	95	600231	9.9462	PPBV		99
56)	1,2-DICHLOROPROPANE	10.342	63	491496	10.8088	PPBV		93
57)	DIBROMOMETHANE	10.318	174	633084	9.7430	PPBV		96
58)	ETHYL ACRYLATE	10.391	55	1075561	14.4269	PPBV		97
59)	BROMODICHLOROMETHANE	10.587	83	1030316	9.6544	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	2130469	13.1009	PPBV		99
61)	1,4-DIOXANE	10.654	88	294428	11.0124	PPBV	#	33
62)	HEPTANE	11.015	43	907874	15.2988	PPBV		84
63)	METHYL METHACRYLATE	10.924	69	420404	11.7511	PPBV	#	71
64)	METHYL ISOBUTYL KETONE	11.774	58	420214	13.5697	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.713	75	783113	11.1781	PPBV		91
66)	TOLUENE	12.942	92	894650	10.9416	PPBV		99
67)	1,3-DICHLOROPROPANE	12.991	76	730402	10.7035	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.392	75	701520	10.3586	PPBV		91
69)	1,1,2-TRICHLOROETHANE	12.600	83	505023	10.5292	PPBV		99
71)	2-HEXANONE	13.340	58	618809	15.9562	PPBV		86
72)	ETHYL METHACRYLATE	13.377	69	740815	12.6047	PPBV	#	78
73)	TETRACHLOROETHYLENE	14.454	164	681633	11.1653	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.493	129	1249642	11.6795	PPBV		99
75)	1,2-DIBROMOETHANE	13.811	107	1029950	12.9330	PPBV		100
76)	OCTANE	14.313	43	1351650	17.8097	PPBV		87
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	812236	11.2748	PPBV		98
78)	CHLOROBENZENE	15.396	112	1355630	11.3786	PPBV		97
79)	ETHYLBENZENE	15.946	91	2055228	13.0325	PPBV		100
80)	m,p-XYLENE	16.222	106	1611883	25.5102	PPBV		98
81)	o-XYLENE	16.888	106	793164	12.9071	PPBV		98
82)	STYRENE	16.742	104	1268904	14.1641	PPBV		98
83)	NONANE	17.298	43	1404943	17.9910	PPBV		88
84)	BROMOFORM	16.277	173	1309572	12.5200	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.895	83	1378191	11.7483	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	879124	10.9317	PPBV		97
88)	ISOPROPYLBENZENE	17.806	105	2271231	12.0728	PPBV		99
89)	BROMOBENZENE	17.898	77	1084346	11.2355	PPBV		98
90)	2-CHLOROTOLUENE	18.534	126	630193	12.1267	PPBV		99
91)	n-PROPYLBENZENE	18.626	120	647700	12.9263	PPBV		100
92)	4-ETHYLTOLUENE	18.871	105	2347387	13.1718	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	1925648	13.1389	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	1029342	13.1105	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	453555	12.6165	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2051949	12.8565	PPBV		99
97)	m-DICHLOROBENZENE	19.807	146	1524181	11.4930	PPBV		99
98)	BENZYL CHLORIDE	19.800	91	1869280	11.9721	PPBV		99
99)	p-DICHLOROBENZENE	19.917	146	1493020	11.9727	PPBV		99
100)	sec-BUTYLBENZENE	20.008	134	537832	12.5147	PPBV		99
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	2001653	12.7462	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.253	134	630443	12.3660	PPBV		98
103)	o-DICHLOROBENZENE	20.394	146	1396449	11.5334	PPBV		99
104)	n-BUTYLBENZENE	20.847	134	615413	12.7506	PPBV		99
105)	HEXACHLOROETHANE	21.311	117	1069471	12.3745	PPBV		98
106)	HEXACHLOROBUTADIENE	23.343	225	1290334	11.0663	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.202	180	1291214	11.4857	PPBV		99
108)	NAPHTHALENE	22.865	128	3127615	12.9172	PPBV		100
110)	TVHC as equiv Pentane	5.204	TIC	3119126	13.5867	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56371.D
Acq On : 24 Jan 2025 9:35 am
Operator : williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:14:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

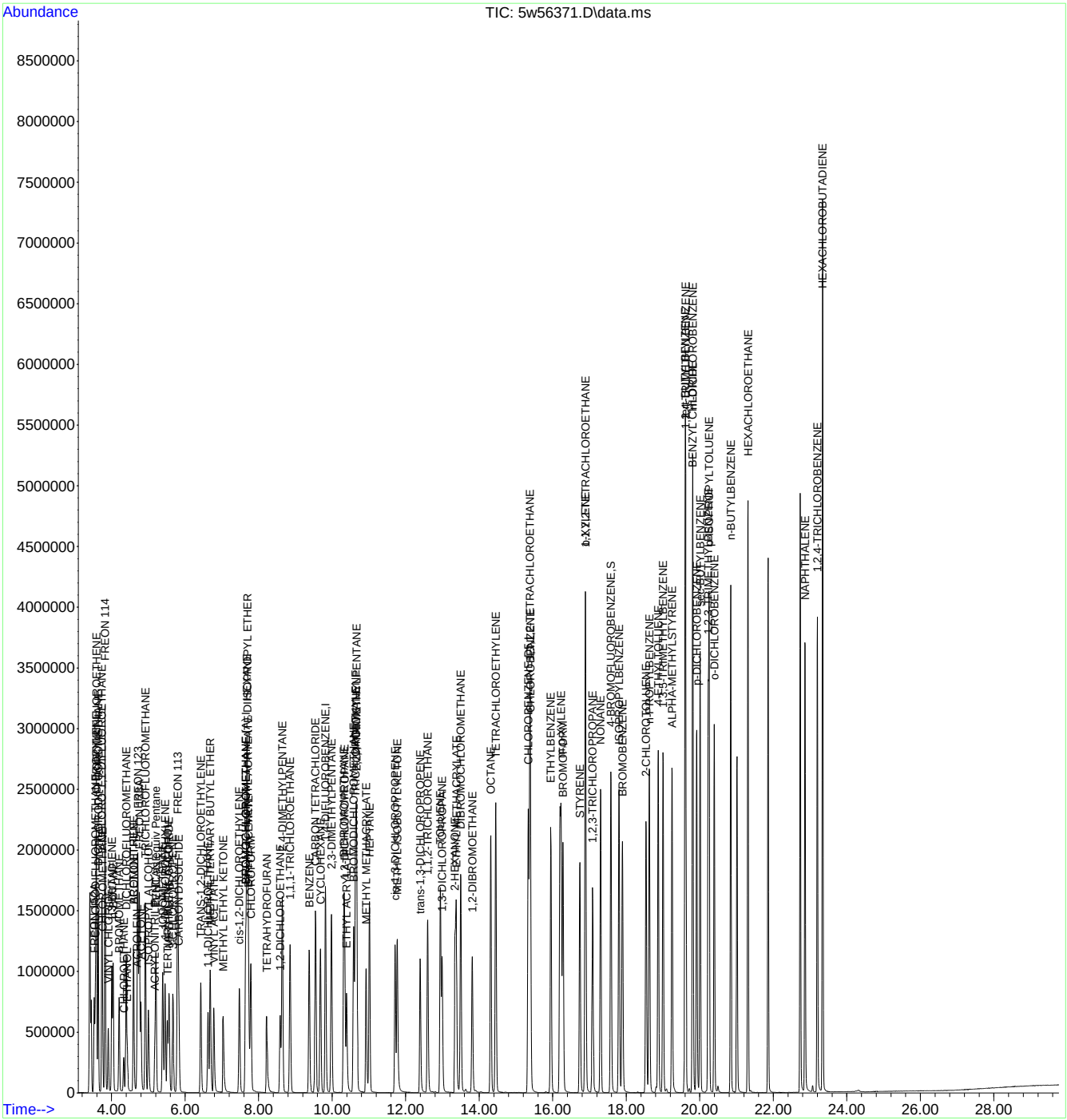
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 January 2025\v5w2159\
Data File : 5w56371.D
Acq On : 24 Jan 2025 9:35 am
Operator : williamc
Sample : cc2144-10 Inst : GCMS5W
Misc : MS88718,V5W2159,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 27 04:14:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:46:37 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration

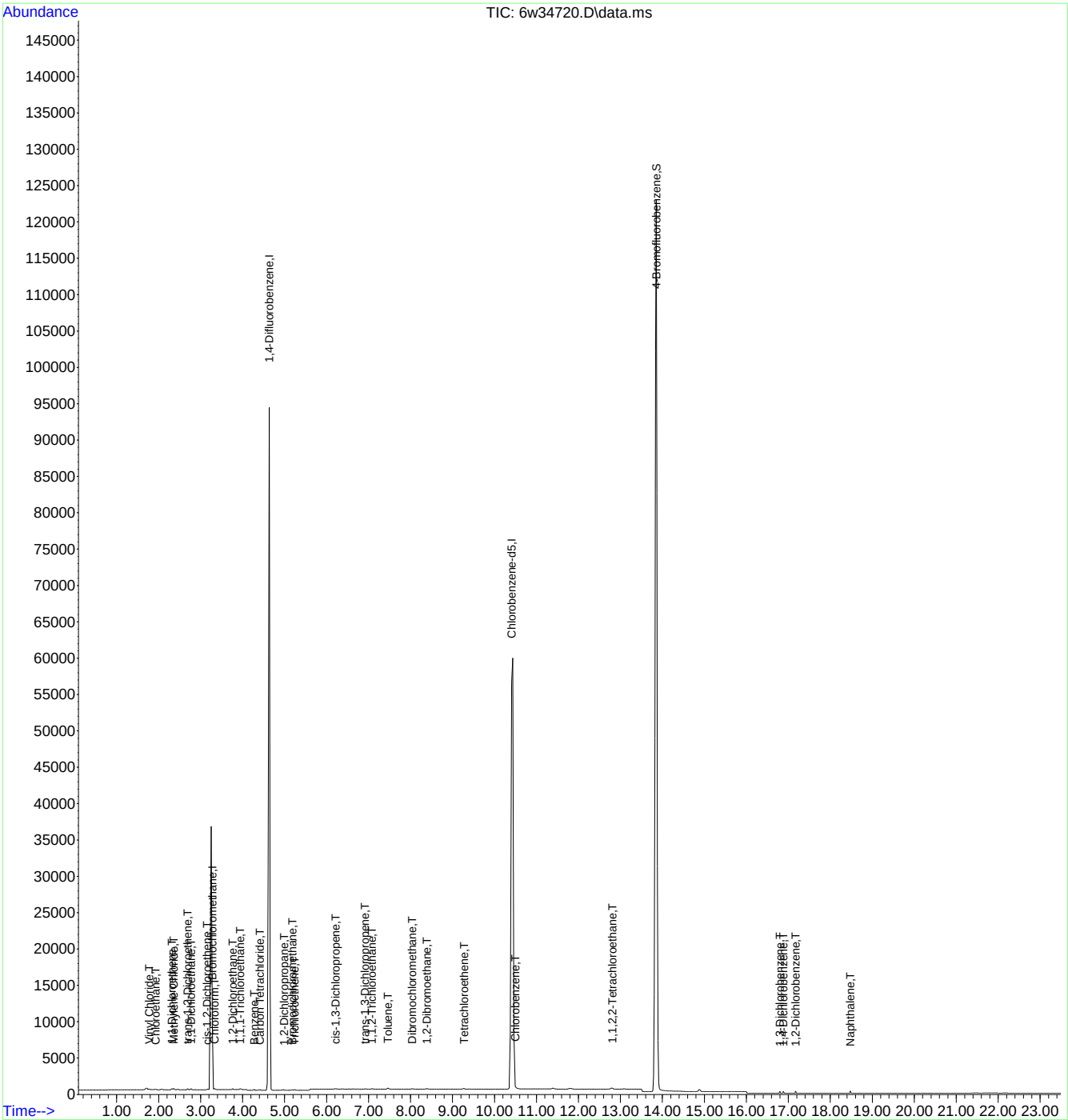
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26003	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	147173	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	72770	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	103669	9.62	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 96.20%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	138	0.03	ppb(v#	75
3) Vinyl Chloride	1.773	62	115	0.03	ppb(v#	50
4) Chloroethane	1.926	64	70	0.02	ppb(v#	54
5) 1,1-Dichloroethene	2.309	61	159	0.03	ppb(v#	49
6) trans-1,2-Dichloroethene	2.692	61	142	0.02	ppb(v#	57
7) 1,1-Dichloroethane	2.769	63	135m	0.03	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	86	0.02	ppb(v#	52
9) Chloroform	3.331	83	159m	0.03	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	116	0.02	ppb(v	95
11) 1,2-Dichloroethane	3.765	62	112	0.02	ppb(v#	64
12) Benzene	4.278	78	197	0.02	ppb(v#	69
13) Carbon Tetrachloride	4.411	117	101	0.02	ppb(v	100
15) Toluene	7.458	92	163	0.03	ppb(v#	79
16) Trichloroethene	5.231	95	114	0.03	ppb(v	86
17) 1,2-Dichloropropane	4.987	65	24	0.02	ppb(v#	53
18) Bromodichloromethane	5.187	83	134	0.02	ppb(v	87
19) cis-1,3-Dichloropropene	6.215	75	106	0.03	ppb(v#	75
20) trans-1,3-Dichloropropene	6.909	75	78	0.02	ppb(v#	64
21) 1,1,2-Trichloroethane	7.082	83	87	0.03	ppb(v	95
22) Dibromochloromethane	8.036	129	137	0.02	ppb(v	92
23) Tetrachloroethene	9.279	166	173	0.02	ppb(v	100
24) 1,2-Dibromoethane	8.383	107	140	0.02	ppb(v	100
26) Chlorobenzene	10.493	112	231	0.02	ppb(v#	64
27) 1,1,2,2-Tetrachloroethane	12.805	83	192	0.02	ppb(v	85
29) 1,3-Dichlorobenzene	16.800	146	211	0.02	ppb(v	77
30) 1,4-Dichlorobenzene	16.884	146	209	0.02	ppb(v	79
31) 1,2-Dichlorobenzene	17.173	146	208	0.02	ppb(v	96
32) Naphthalene	18.476	128	315	0.01	ppb(v#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:46:37 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration



Manual Integration Approval Summary

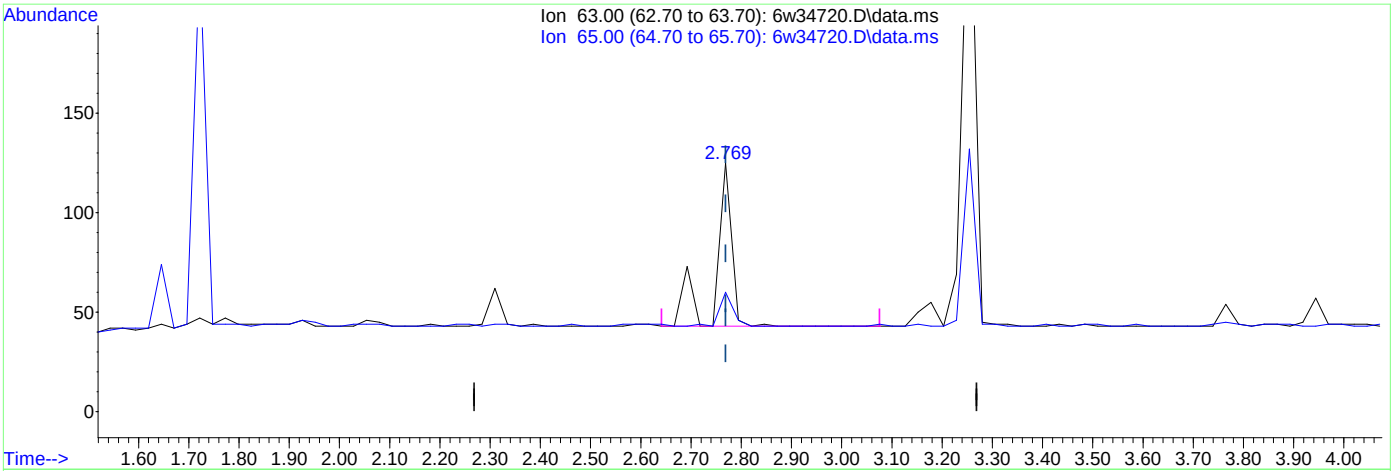
Sample Number: V6W1441-IC1441
Lab FileID: 6W34720.D
Injection Time: 01/29/25 20:02
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

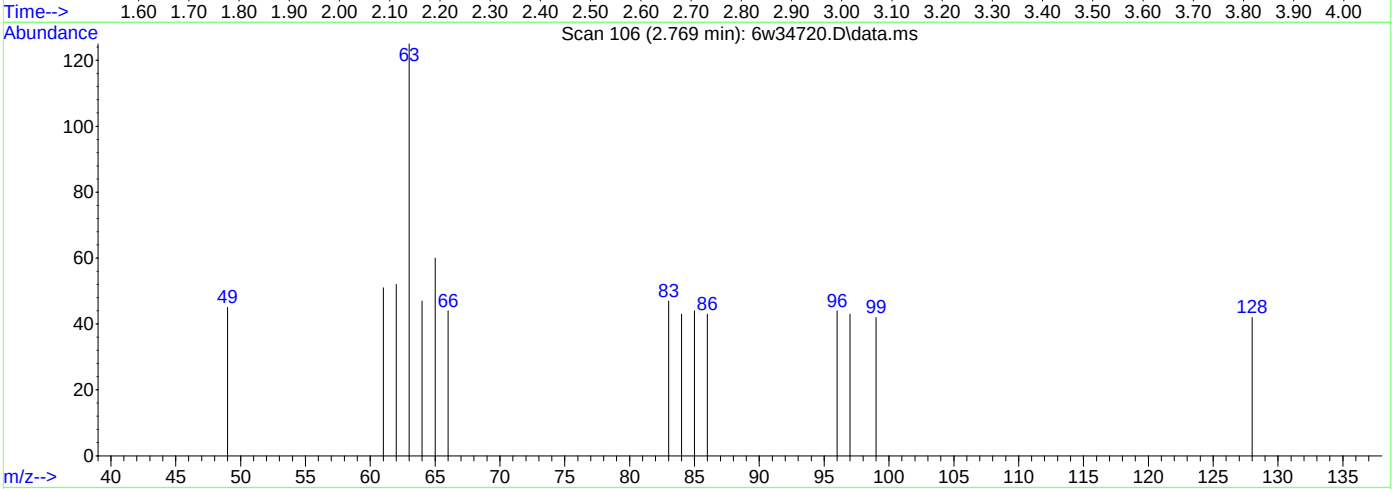
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:45:48 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration





TIC: 6w34720.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (0.000) 0.04ppb(v)

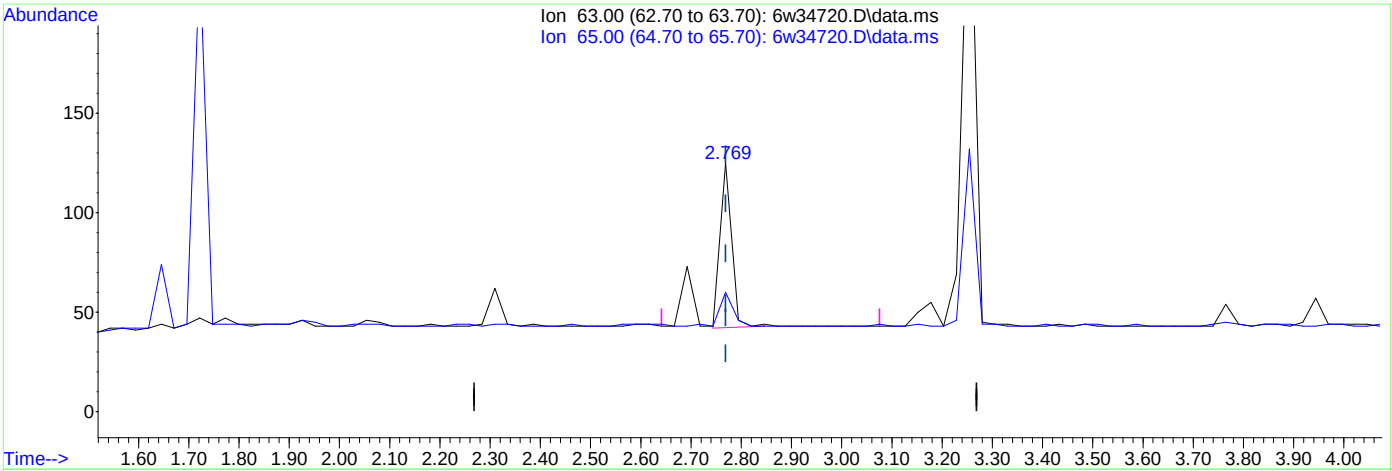
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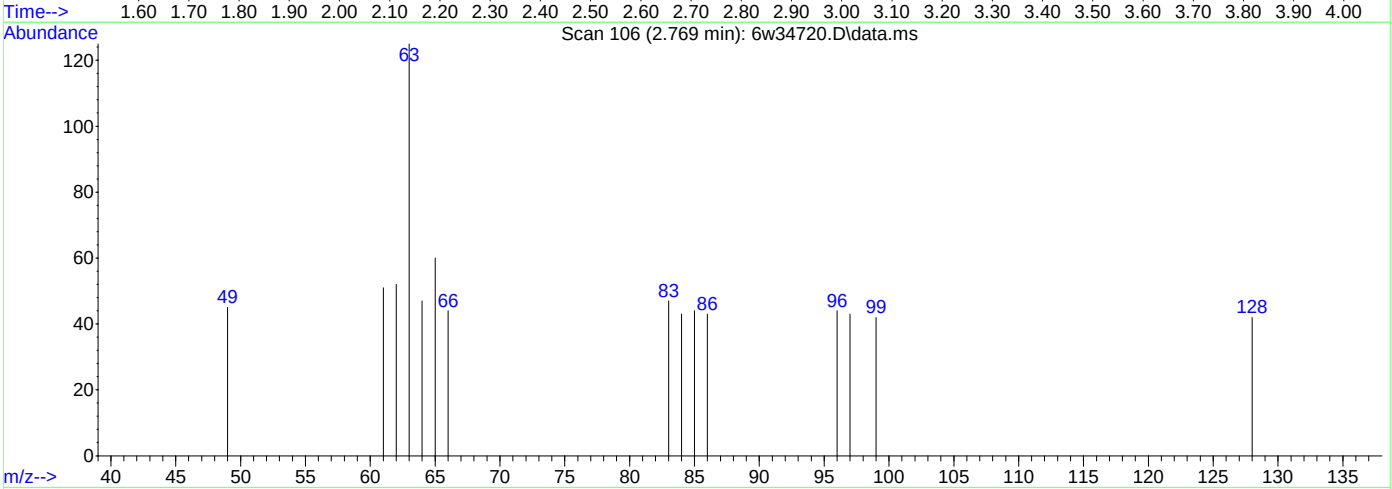
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	48.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:45:48 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration





TIC: 6w34720.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (0.000) 0.03ppb(v) m

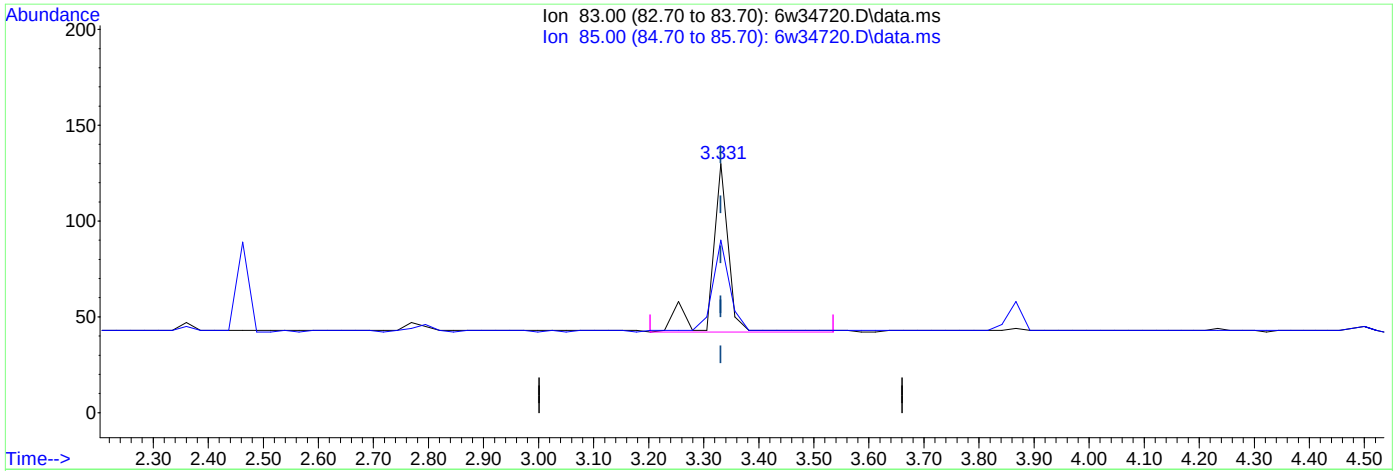
response 135

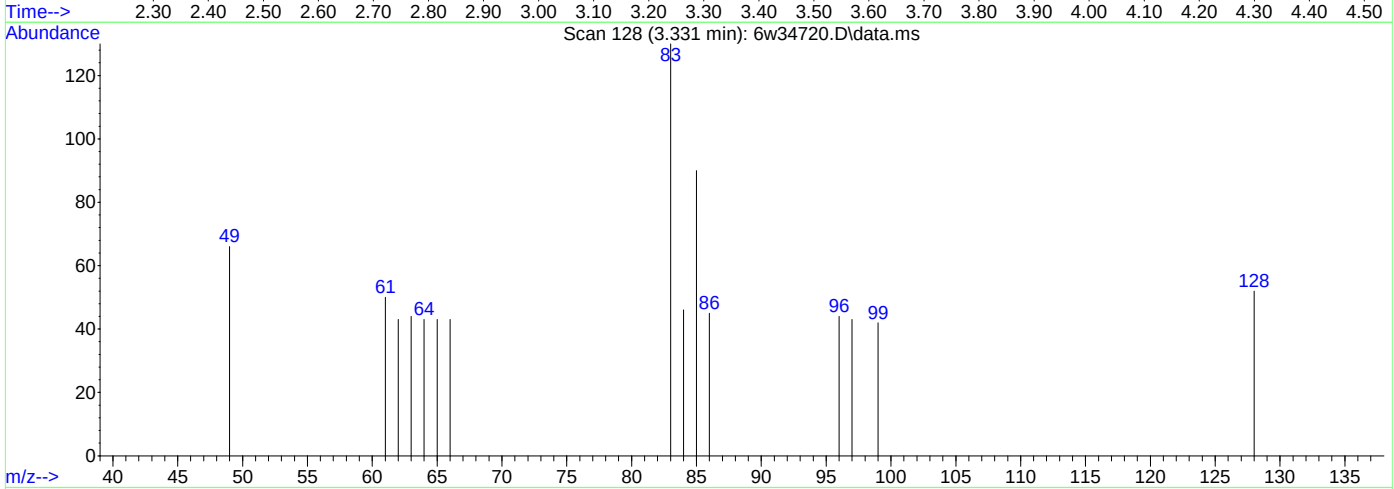
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	48.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:45:48 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration





TIC: 6w34720.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.03ppb(v)

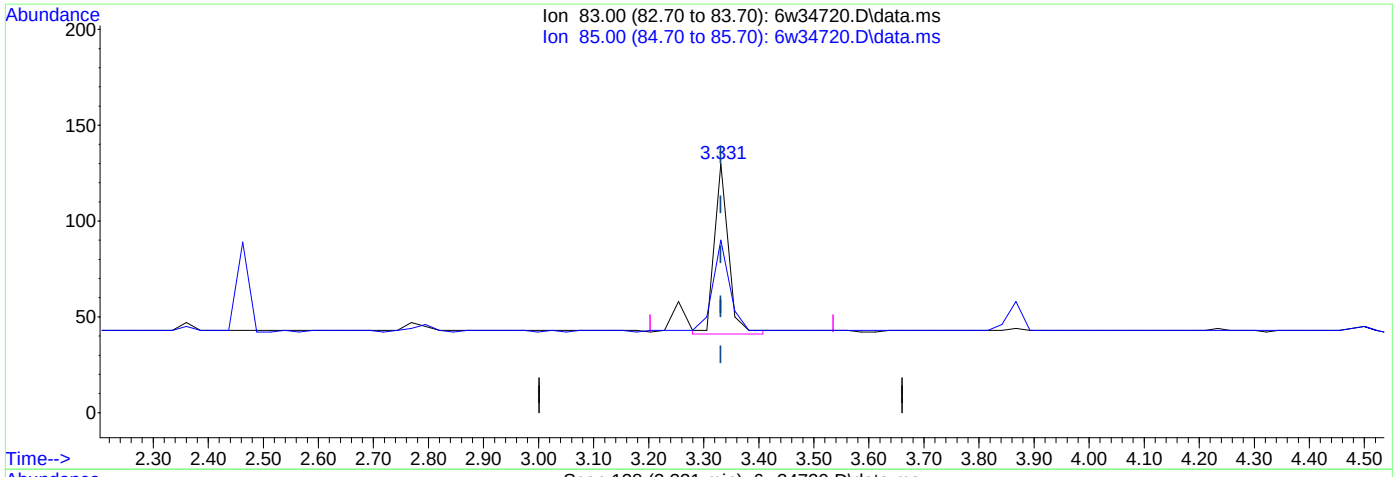
response 187

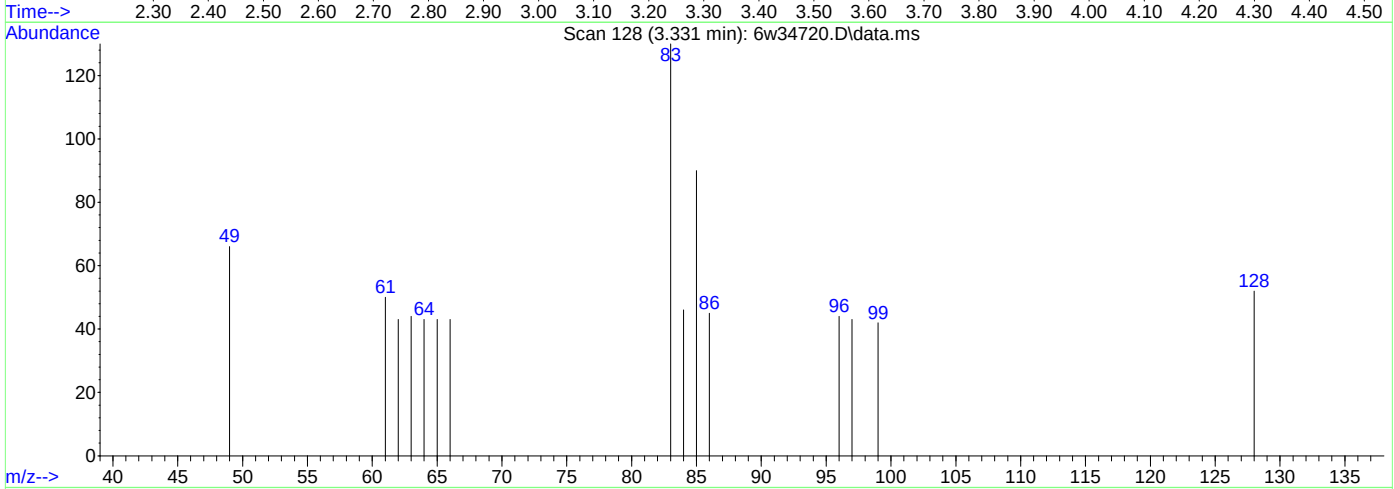
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	69.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34720.D
Acq On : 29 Jan 2025 8:02 pm
Operator : benk
Sample : ic1441-0.02
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:45:48 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:09:43 2025
Response via : Initial Calibration





TIC: 6w34720.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.03ppb(v) m

response 159

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	69.23
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:08:52 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration

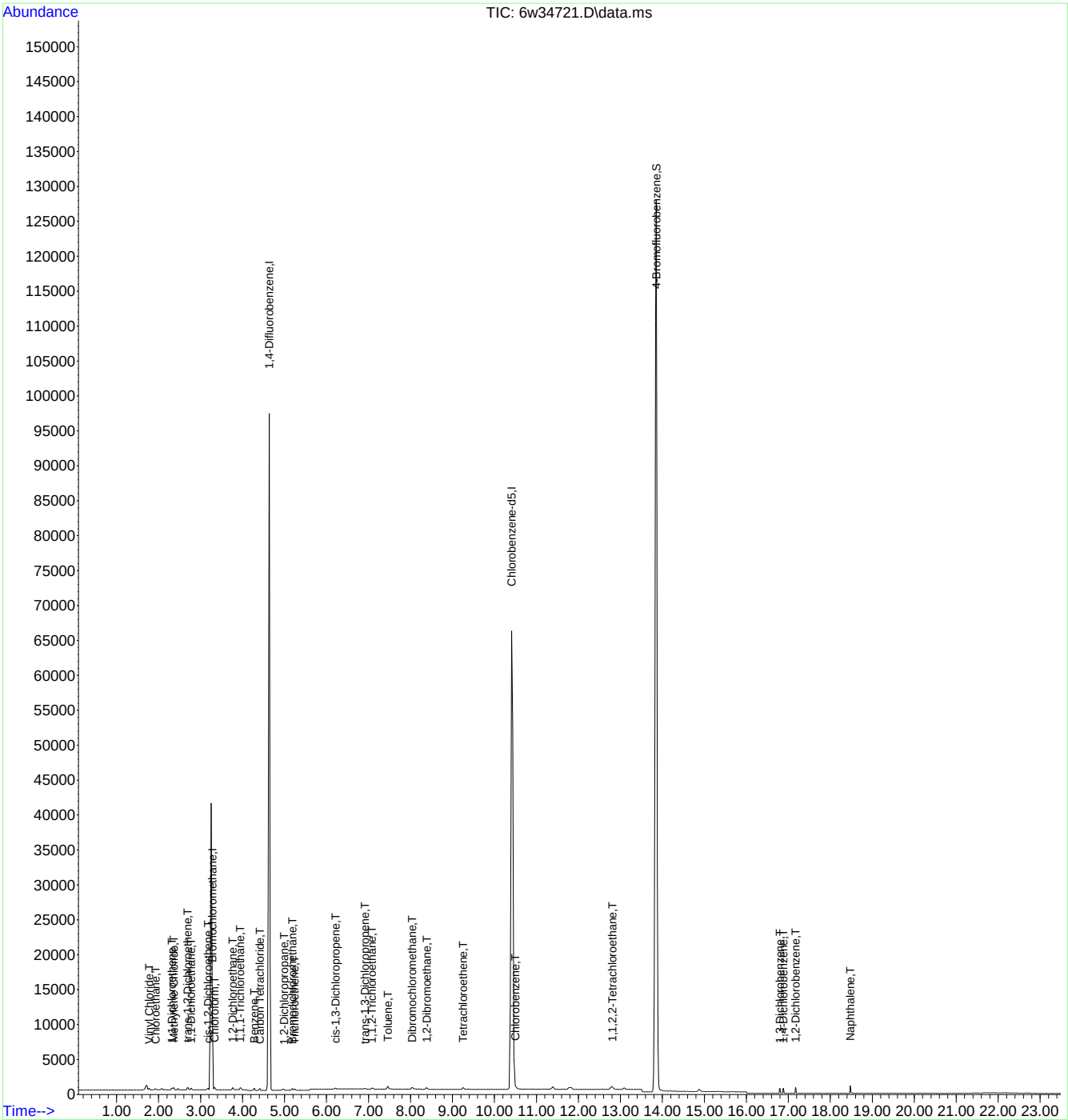
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27342	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	150129	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	73179	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	108138	9.96	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.60%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	236	0.06	ppb(v	91
3) Vinyl Chloride	1.773	62	254	0.06	ppb(v#	83
4) Chloroethane	1.926	64	175	0.05	ppb(v#	83
5) 1,1-Dichloroethene	2.309	61	326	0.06	ppb(v#	81
6) trans-1,2-Dichloroethene	2.693	61	386	0.05	ppb(v#	88
7) 1,1-Dichloroethane	2.769	63	294m	0.06	ppb(v	
8) cis-1,2-Dichloroethene	3.178	61	219	0.05	ppb(v	93
9) Chloroform	3.331	83	342m	0.06	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	291	0.05	ppb(v	85
11) 1,2-Dichloroethane	3.765	62	296	0.06	ppb(v	88
12) Benzene	4.278	78	479	0.06	ppb(v	90
13) Carbon Tetrachloride	4.411	117	301	0.05	ppb(v	99
15) Toluene	7.458	92	338	0.05	ppb(v	91
16) Trichloroethene	5.232	95	238	0.05	ppb(v	93
17) 1,2-Dichloropropane	4.988	65	57	0.05	ppb(v	78
18) Bromodichloromethane	5.187	83	354	0.05	ppb(v	96
19) cis-1,3-Dichloropropene	6.216	75	225	0.05	ppb(v	88
20) trans-1,3-Dichloropropene	6.909	75	186	0.05	ppb(v	85
21) 1,1,2-Trichloroethane	7.083	83	170	0.05	ppb(v	99
22) Dibromochloromethane	8.036	129	347	0.05	ppb(v	97
23) Tetrachloroethene	9.250	166	413	0.06	ppb(v	97
24) 1,2-Dibromoethane	8.383	107	359	0.06	ppb(v	100
26) Chlorobenzene	10.493	112	583	0.05	ppb(v	89
27) 1,1,2,2-Tetrachloroethane	12.805	83	510	0.05	ppb(v	95
29) 1,3-Dichlorobenzene	16.800	146	599	0.05	ppb(v	83
30) 1,4-Dichlorobenzene	16.884	146	613	0.05	ppb(v	82
31) 1,2-Dichlorobenzene	17.173	146	593	0.05	ppb(v	98
32) Naphthalene	18.477	128	1132	0.05	ppb(v	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:08:52 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

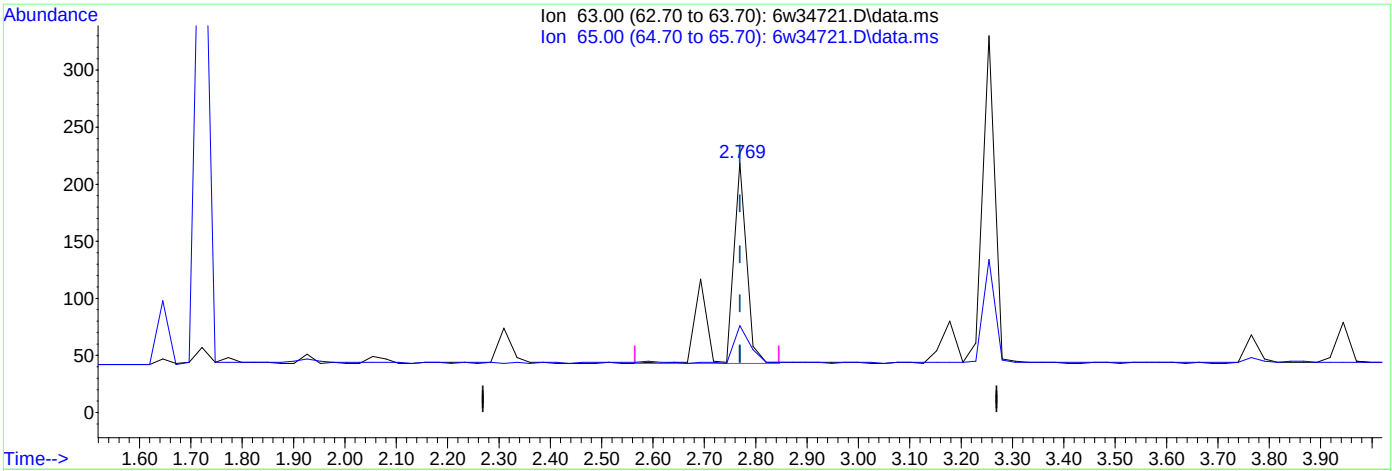
Sample Number: V6W1441-IC1441
Lab FileID: 6W34721.D
Injection Time: 01/29/25 20:39
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

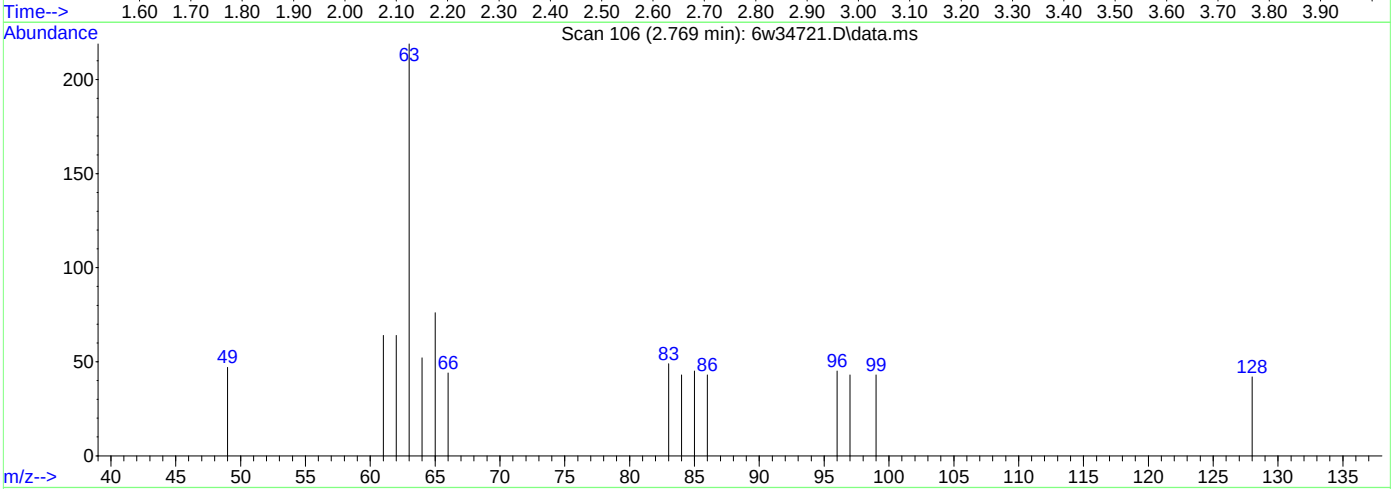
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:07:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration





TIC: 6w34721.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.08ppb(v)

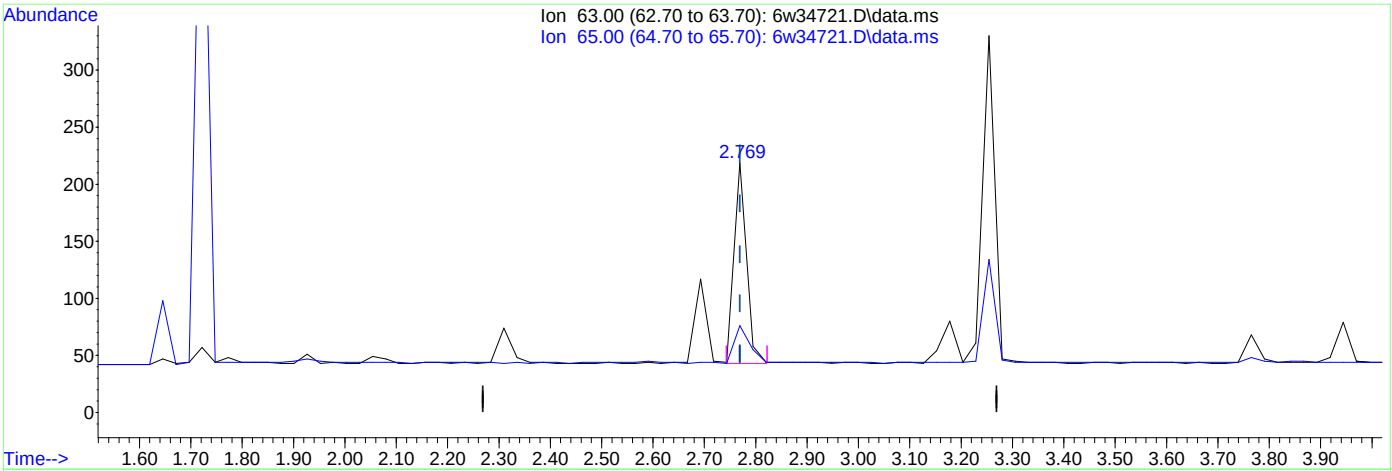
response 418

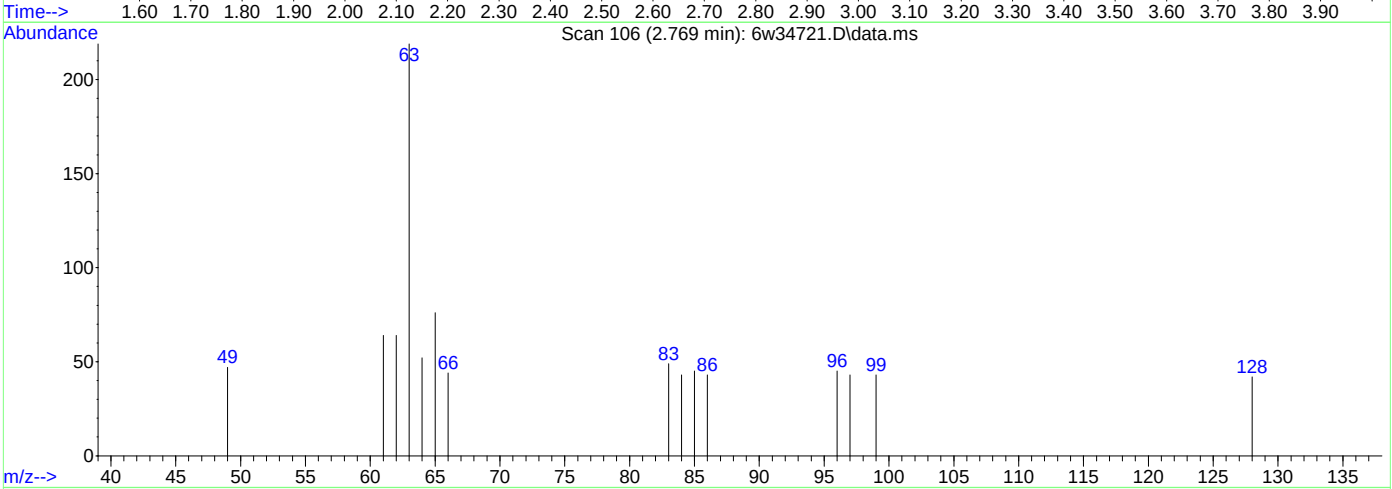
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	34.70
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:07:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration





TIC: 6w34721.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.06ppb(v) m

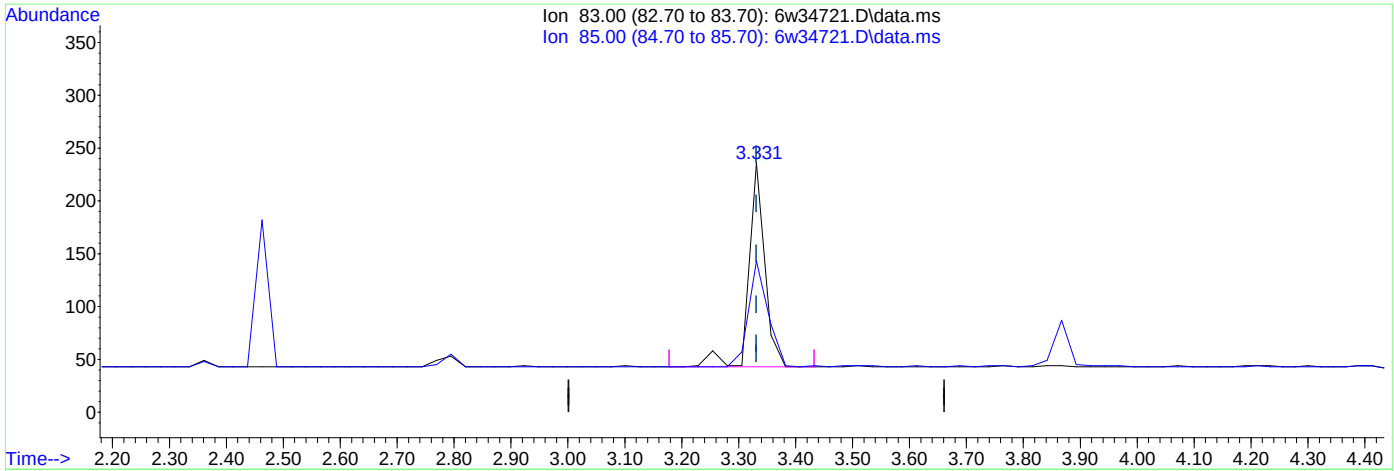
response 294

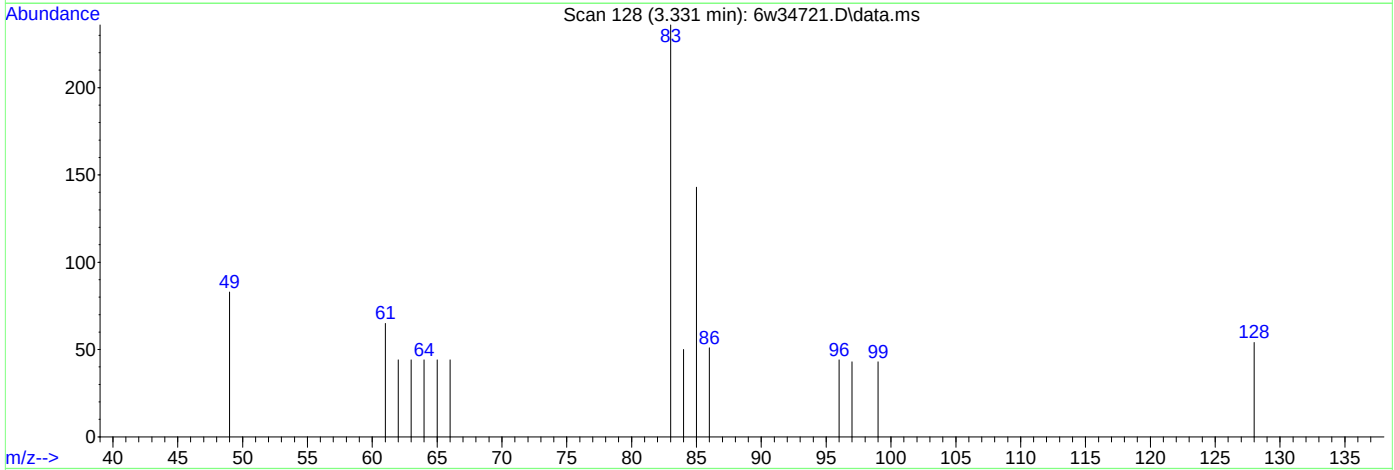
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	34.70
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:07:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration





TIC: 6w34721.D\data.ms

(9) Chloroform (T)

3.331min (0.000) 0.06ppb(v)

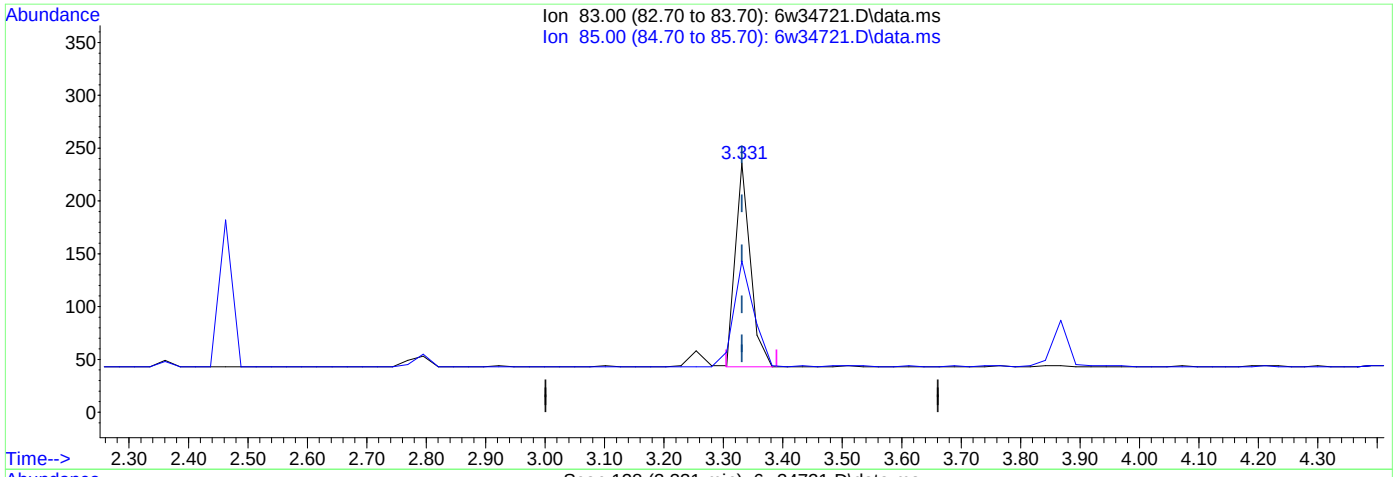
response 369

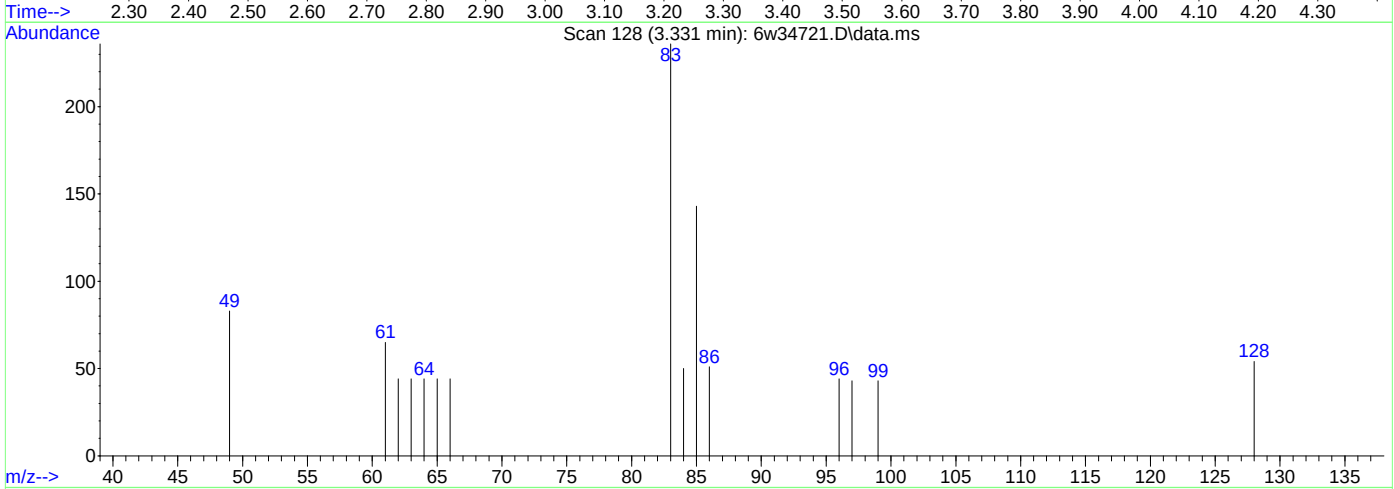
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	60.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34721.D
Acq On : 29 Jan 2025 8:39 pm
Operator : benk
Sample : ic1441-0.05
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:07:57 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:06:55 2025
Response via : Initial Calibration





TIC: 6w34721.D\data.ms

(9) Chloroform (T)

3.331min (0.000) 0.06ppb(v) m

response 342

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	60.59
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34722.D
Acq On : 29 Jan 2025 9:16 pm
Operator : benk
Sample : icc1441-0.10
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 19:12:19 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 12:20:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27828	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	149518	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	73245	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	108713	10.07	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.70%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	418	0.11	ppb(v	100
3) Vinyl Chloride	1.773	62	467	0.09	ppb(v	100
4) Chloroethane	1.926	64	339	0.09	ppb(v	100
5) 1,1-Dichloroethene	2.309	61	578	0.09	ppb(v	100
6) trans-1,2-Dichloroethene	2.692	61	771	0.10	ppb(v	100
7) 1,1-Dichloroethane	2.769	63	558	0.09	ppb(v	100
8) cis-1,2-Dichloroethene	3.178	61	446	0.10	ppb(v	100
9) Chloroform	3.331	83	682m	0.10	ppb(v	
10) 1,1,1-Trichloroethane	3.969	97	584	0.11	ppb(v	100
11) 1,2-Dichloroethane	3.765	62	582	0.11	ppb(v	100
12) Benzene	4.278	78	941	0.10	ppb(v	100
13) Carbon Tetrachloride	4.411	117	635	0.11	ppb(v	100
15) Toluene	7.458	92	662	0.09	ppb(v	100
16) Trichloroethene	5.231	95	476	0.10	ppb(v	100
17) 1,2-Dichloropropane	4.987	65	113	0.09	ppb(v	100
18) Bromodichloromethane	5.187	83	693	0.10	ppb(v	100
19) cis-1,3-Dichloropropene	6.215	75	437	0.10	ppb(v	100
20) trans-1,3-Dichloropropene	6.909	75	364	0.09	ppb(v	100
21) 1,1,2-Trichloroethane	7.083	83	339	0.10	ppb(v	100
22) Dibromochloromethane	8.036	129	666	0.10	ppb(v	100
23) Tetrachloroethene	9.250	166	803	0.10	ppb(v	100
24) 1,2-Dibromoethane	8.383	107	647	0.10	ppb(v	100
26) Chlorobenzene	10.493	112	1184	0.10	ppb(v	100
27) 1,1,2,2-Tetrachloroethane	12.805	83	1054	0.11	ppb(v	100
29) 1,3-Dichlorobenzene	16.793	146	1245	0.09	ppb(v	100
30) 1,4-Dichlorobenzene	16.877	146	1245	0.09	ppb(v	100
31) 1,2-Dichlorobenzene	17.173	146	1206	0.09	ppb(v	100
32) Naphthalene	18.477	128	2453	0.11	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

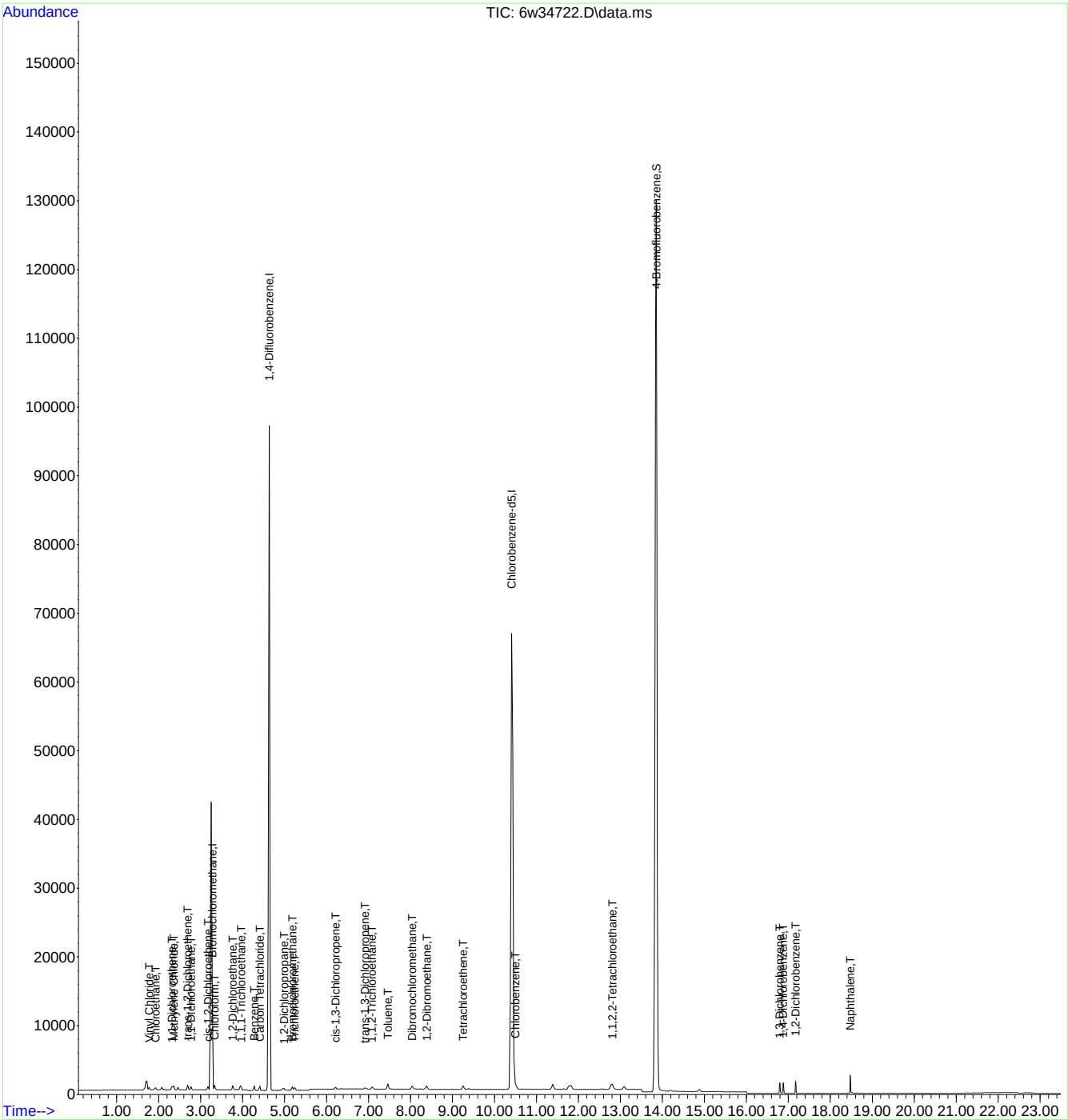
7.7.14

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34722.D
Acq On : 29 Jan 2025 9:16 pm
Operator : benk
Sample : icc1441-0.10
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 19:12:19 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 12:20:49 2025
Response via : Initial Calibration



Manual Integration Approval Summary

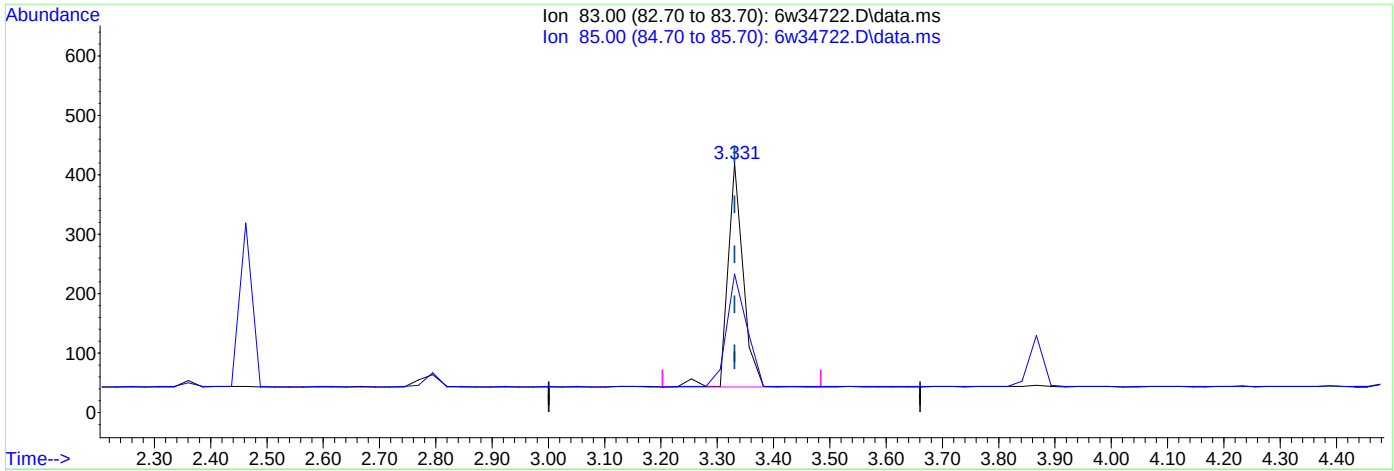
Sample Number: V6W1441-ICC1441
Lab FileID: 6W34722.D
Injection Time: 01/29/25 21:16
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 19:52 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

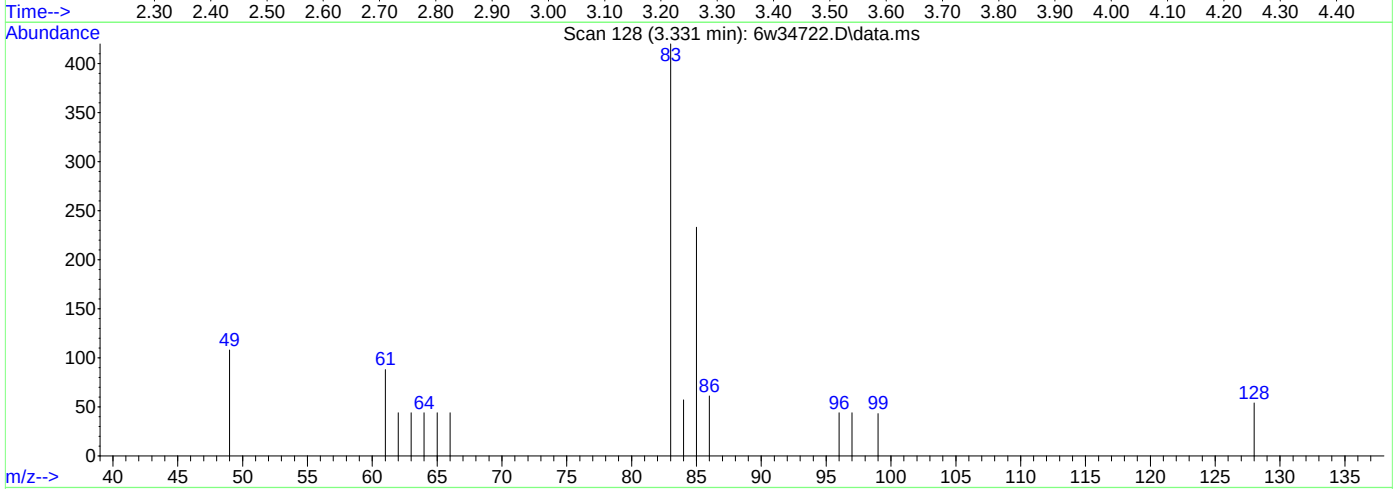
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34722.D
Acq On : 29 Jan 2025 9:16 pm
Operator : benk
Sample : icc1441-0.10
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 19:11:20 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 12:20:49 2025
Response via : Initial Calibration





TIC: 6w34722.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v)

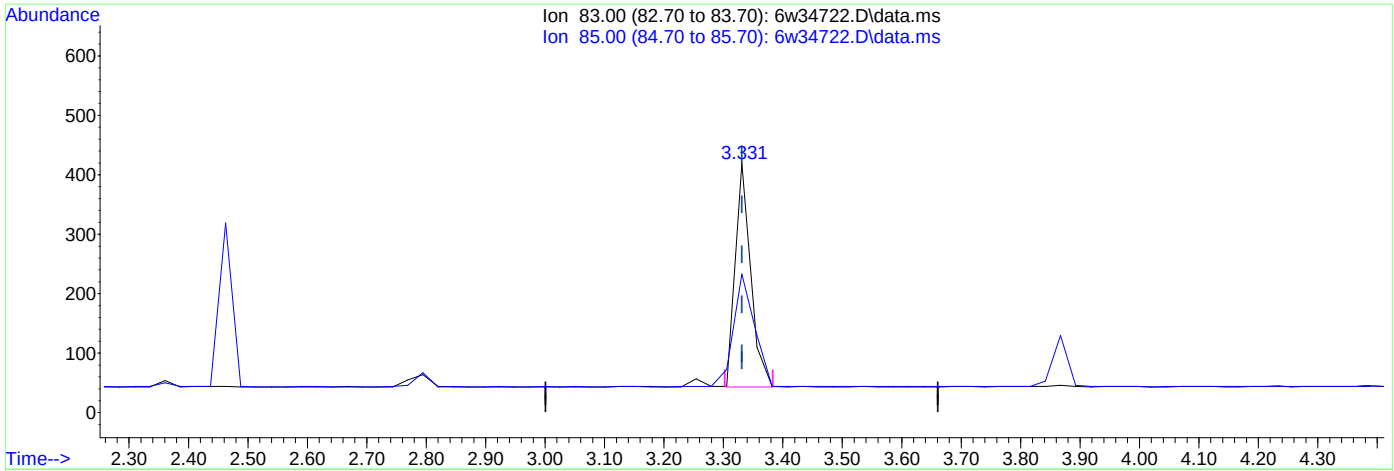
response 708

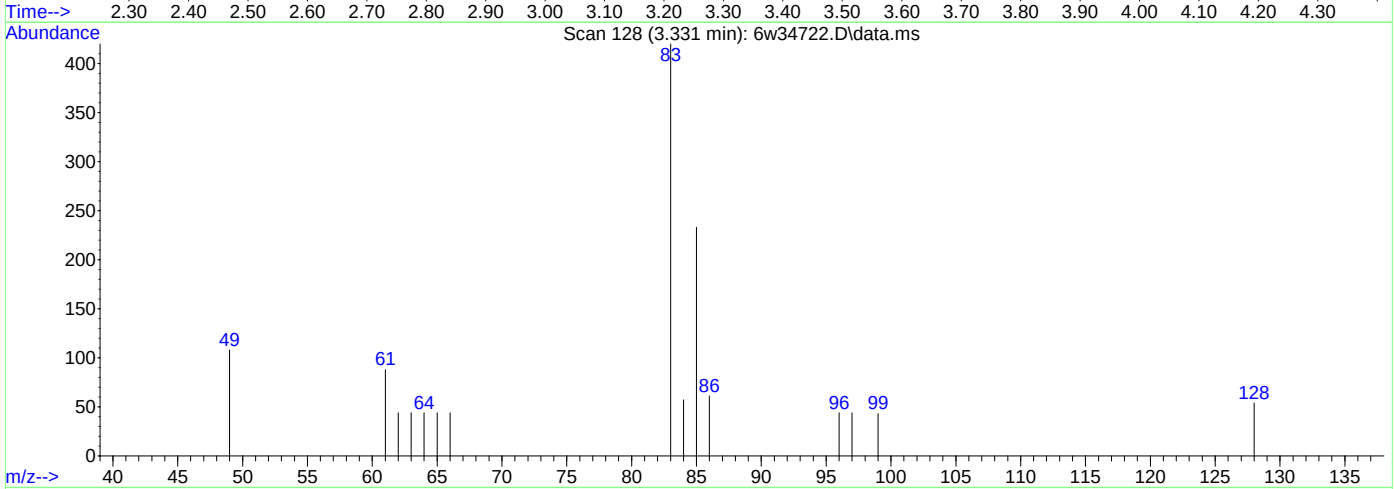
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34722.D
Acq On : 29 Jan 2025 9:16 pm
Operator : benk
Sample : icc1441-0.10
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 19:11:20 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 12:20:49 2025
Response via : Initial Calibration





TIC: 6w34722.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v) m

response 682

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34723.D
Acq On : 29 Jan 2025 9:55 pm
Operator : benk
Sample : ic1441-0.20
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:53:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:52:15 2025
Response via : Initial Calibration

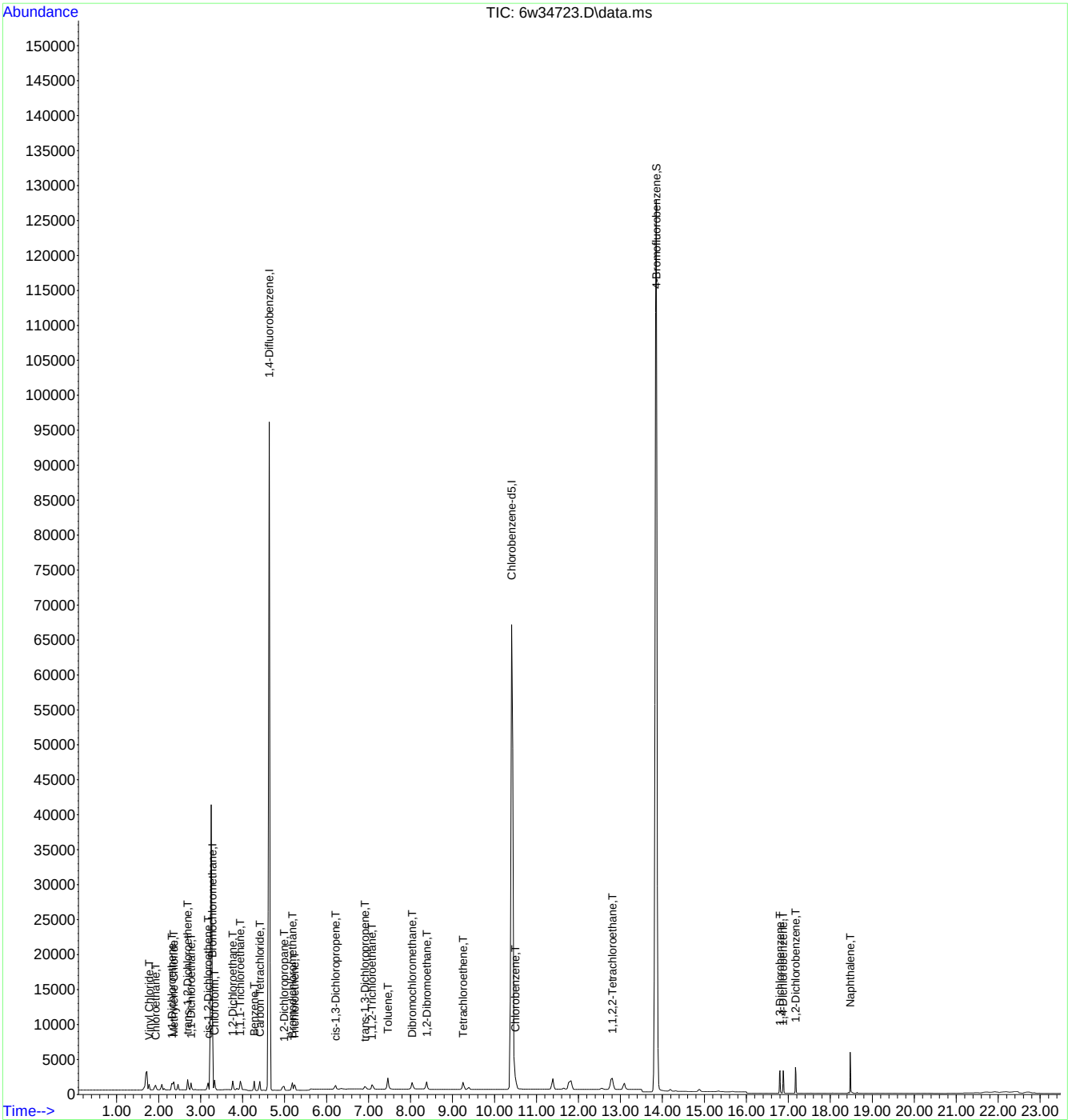
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27430	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	148125	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	72676	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	107941	10.16	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.60%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	784	0.15	ppb(v	97
3) Vinyl Chloride	1.773	62	942	0.18	ppb(v	90
4) Chloroethane	1.926	64	667	0.20	ppb(v	90
5) 1,1-Dichloroethene	2.309	61	1162	0.18	ppb(v#	86
6) trans-1,2-Dichloroethene	2.692	61	1537	0.21	ppb(v	94
7) 1,1-Dichloroethane	2.769	63	1120	0.19	ppb(v	91
8) cis-1,2-Dichloroethene	3.178	61	886	0.21	ppb(v	95
9) Chloroform	3.331	83	1387	0.20	ppb(v	97
10) 1,1,1-Trichloroethane	3.944	97	1165	0.21	ppb(v	75
11) 1,2-Dichloroethane	3.765	62	1138	0.21	ppb(v	92
12) Benzene	4.278	78	1853	0.21	ppb(v	96
13) Carbon Tetrachloride	4.411	117	1307	0.24	ppb(v	99
15) Toluene	7.458	92	1304	0.19	ppb(v	96
16) Trichloroethene	5.231	95	937	0.19	ppb(v	100
17) 1,2-Dichloropropane	4.987	65	216	0.20	ppb(v	77
18) Bromodichloromethane	5.187	83	1385	0.21	ppb(v	100
19) cis-1,3-Dichloropropene	6.215	75	872	0.20	ppb(v	91
20) trans-1,3-Dichloropropene	6.909	75	723	0.20	ppb(v	89
21) 1,1,2-Trichloroethane	7.082	83	669	0.19	ppb(v	99
22) Dibromochloromethane	8.036	129	1354	0.21	ppb(v	96
23) Tetrachloroethene	9.250	166	1573	0.21	ppb(v	98
24) 1,2-Dibromoethane	8.383	107	1408	0.23	ppb(v	100
26) Chlorobenzene	10.493	112	2350	0.22	ppb(v	96
27) 1,1,2,2-Tetrachloroethane	12.805	83	2114	0.23	ppb(v	98
29) 1,3-Dichlorobenzene	16.800	146	2555	0.23	ppb(v	82
30) 1,4-Dichlorobenzene	16.877	146	2596	0.24	ppb(v	96
31) 1,2-Dichlorobenzene	17.173	146	2486	0.23	ppb(v	100
32) Naphthalene	18.477	128	4904	0.26	ppb(v	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34723.D
Acq On : 29 Jan 2025 9:55 pm
Operator : benk
Sample : ic1441-0.20
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:53:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:52:15 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34724.D
Acq On : 29 Jan 2025 10:40 pm
Operator : benk
Sample : ic1441-0.50
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:55:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:54:36 2025
Response via : Initial Calibration

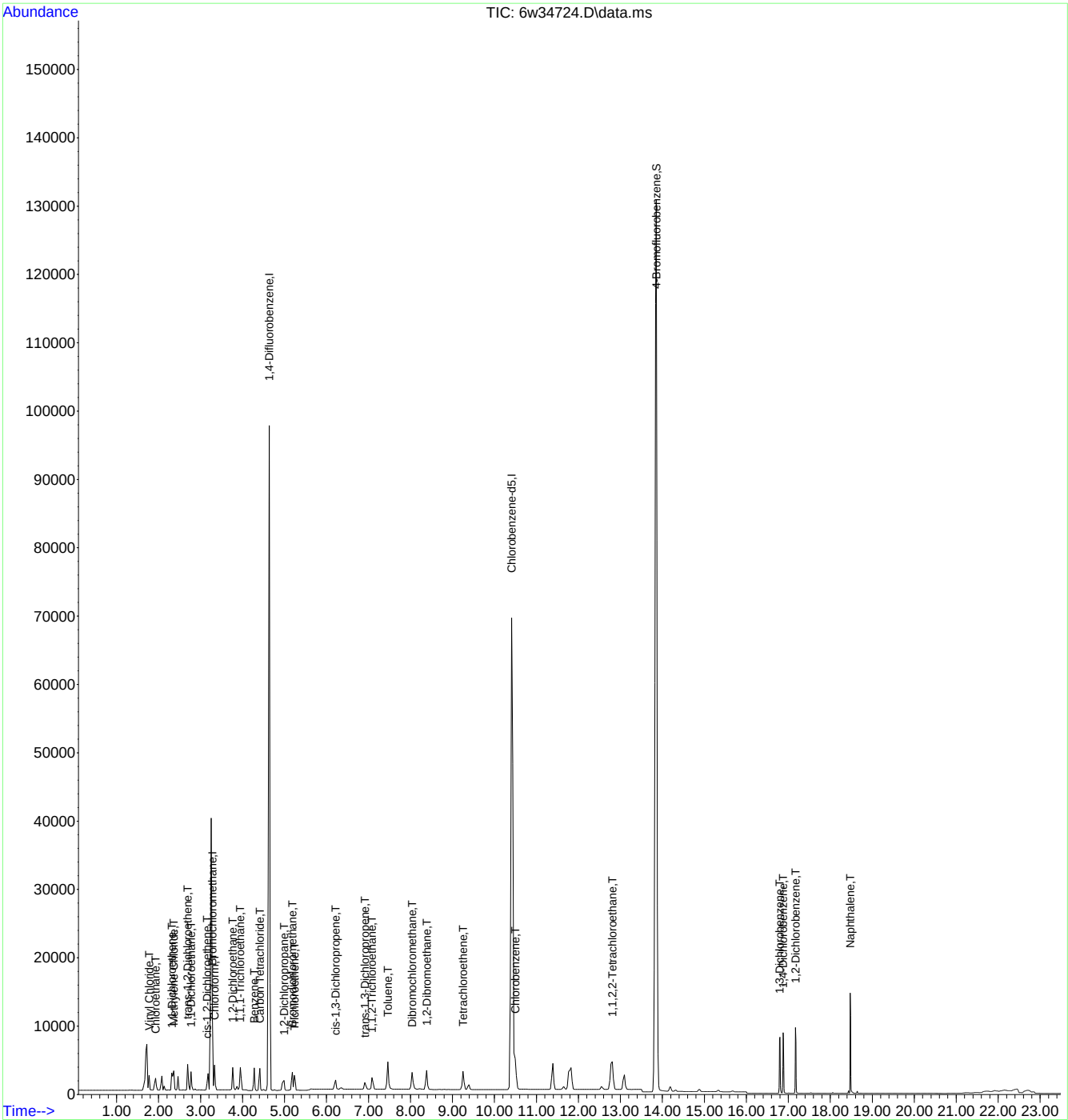
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27642	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	151388	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	73895	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	109796	10.12	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.20%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	1981	0.41	ppb(v	89
3) Vinyl Chloride	1.773	62	2568	0.51	ppb(v#	83
4) Chloroethane	1.926	64	1696	0.50	ppb(v#	82
5) 1,1-Dichloroethene	2.309	61	3079	0.49	ppb(v#	77
6) trans-1,2-Dichloroethene	2.693	61	3840	0.52	ppb(v#	92
7) 1,1-Dichloroethane	2.769	63	2957m	0.52	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	2193	0.52	ppb(v#	9
9) Chloroform	3.331	83	3546	0.53	ppb(v	95
10) 1,1,1-Trichloroethane	3.944	97	2970	0.54	ppb(v#	72
11) 1,2-Dichloroethane	3.765	62	2916	0.54	ppb(v	89
12) Benzene	4.278	78	4677	0.53	ppb(v	92
13) Carbon Tetrachloride	4.411	117	3405	0.60	ppb(v	98
15) Toluene	7.458	92	3304	0.49	ppb(v#	94
16) Trichloroethene	5.232	95	2380	0.49	ppb(v	97
17) 1,2-Dichloropropane	4.988	65	563	0.51	ppb(v	60
18) Bromodichloromethane	5.187	83	3579	0.53	ppb(v	98
19) cis-1,3-Dichloropropene	6.216	75	2208	0.50	ppb(v	87
20) trans-1,3-Dichloropropene	6.909	75	1793	0.48	ppb(v	81
21) 1,1,2-Trichloroethane	7.083	83	1722	0.50	ppb(v	98
22) Dibromochloromethane	8.036	129	3458	0.52	ppb(v	97
23) Tetrachloroethene	9.250	166	4010	0.52	ppb(v	96
24) 1,2-Dibromoethane	8.383	107	3619	0.56	ppb(v	99
26) Chlorobenzene	10.493	112	5988	0.55	ppb(v	91
27) 1,1,2,2-Tetrachloroethane	12.806	83	5466	0.58	ppb(v	96
29) 1,3-Dichlorobenzene	16.793	146	6696	0.58	ppb(v	99
30) 1,4-Dichlorobenzene	16.877	146	6868	0.61	ppb(v	98
31) 1,2-Dichlorobenzene	17.173	146	6524	0.59	ppb(v	99
32) Naphthalene	18.477	128	12737	0.63	ppb(v	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34724.D
Acq On : 29 Jan 2025 10:40 pm
Operator : benk
Sample : ic1441-0.50
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:55:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:54:36 2025
Response via : Initial Calibration



Manual Integration Approval Summary

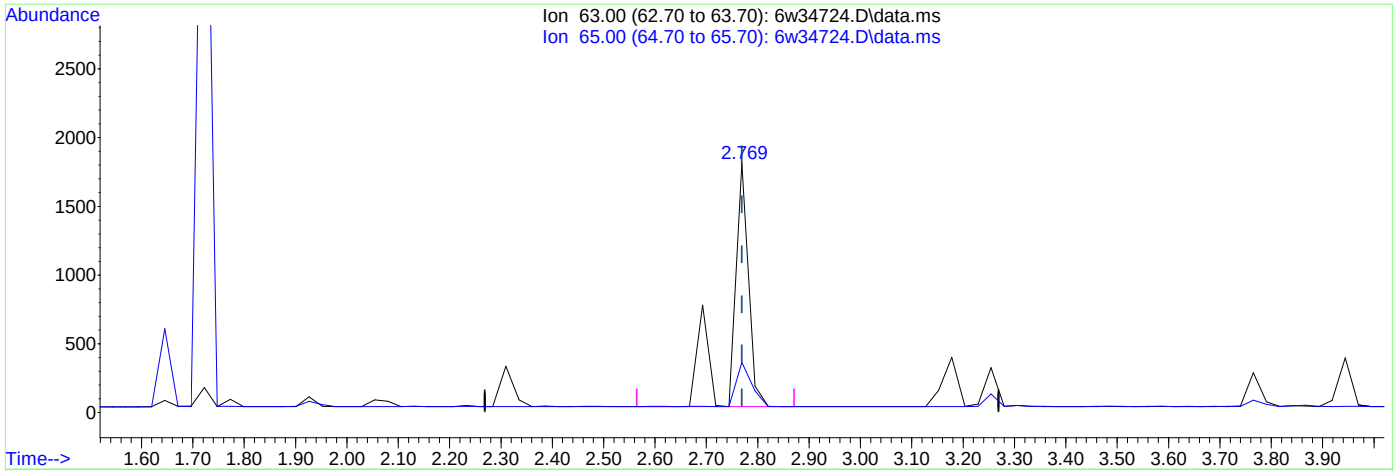
Sample Number: V6W1441-IC1441
Lab FileID: 6W34724.D
Injection Time: 01/29/25 22:40
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

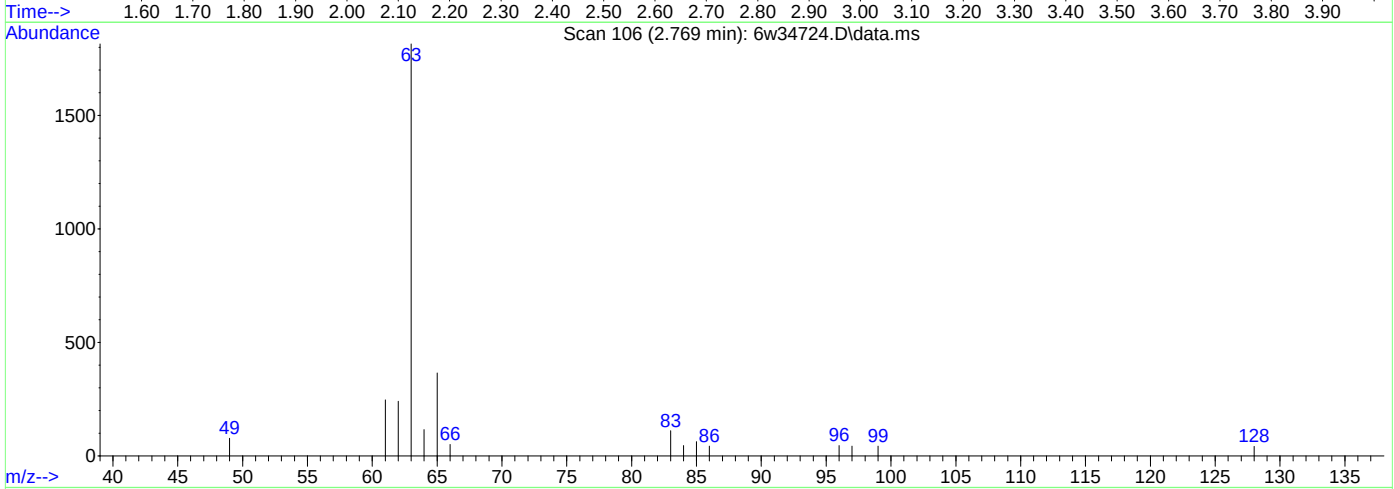
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34724.D
Acq On : 29 Jan 2025 10:40 pm
Operator : benk
Sample : ic1441-0.50
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:55:12 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:54:36 2025
Response via : Initial Calibration





TIC: 6w34724.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.72ppb(v)

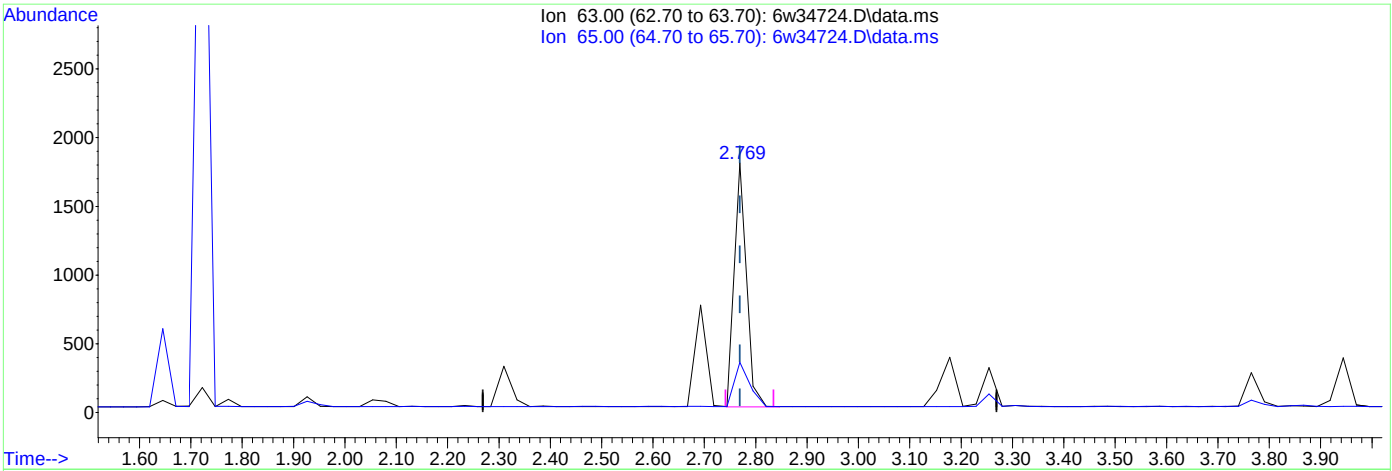
response 4104

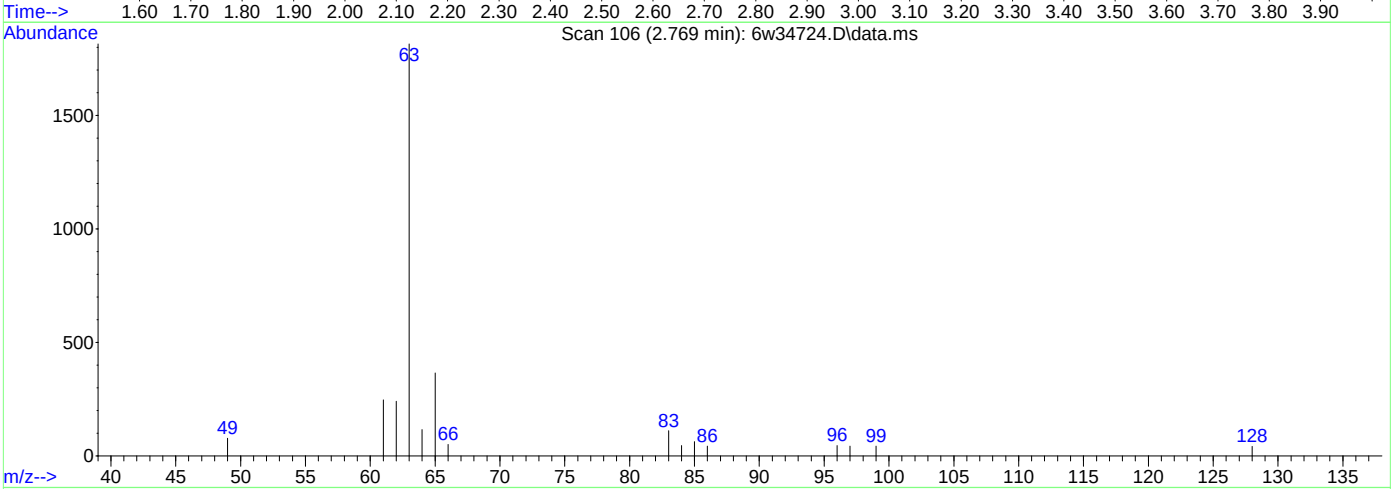
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	20.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34724.D
Acq On : 29 Jan 2025 10:40 pm
Operator : benk
Sample : ic1441-0.50
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 30 10:55:42 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:54:36 2025
Response via : Initial Calibration





TIC: 6w34724.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (+0.000) 0.52ppb(v) m

response 2957

Ion	Exp%	Act%
63.00	100	100
65.00	27.70	20.10
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34730.D
Acq On : 30 Jan 2025 2:25 am
Operator : benk
Sample : ic1441-1.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 11:03:06 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:56:21 2025
Response via : Initial Calibration

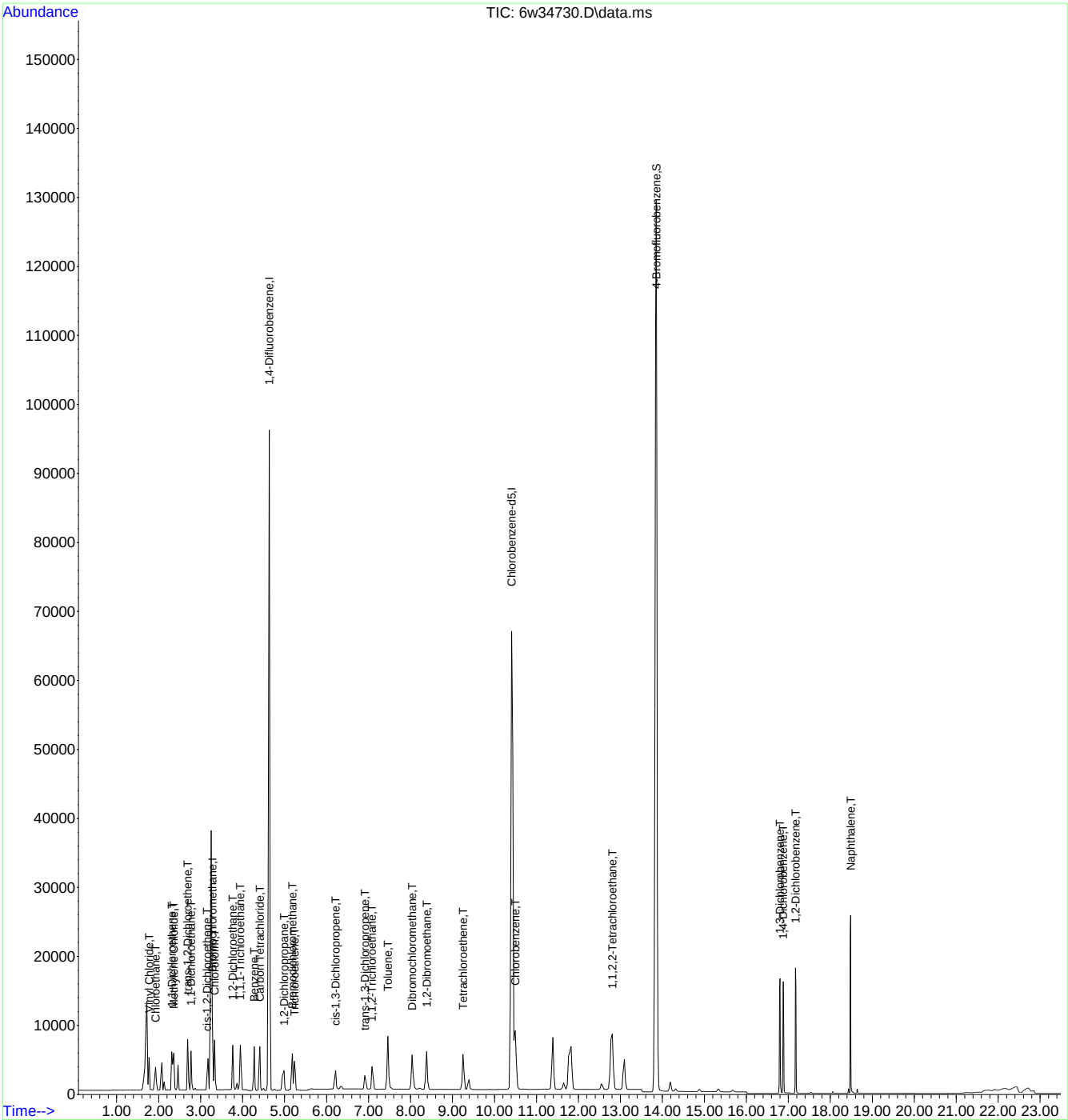
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26892	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	149217	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	72500	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	108347	10.16	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.60%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	4000	0.89	ppb(v#	79
3) Vinyl Chloride	1.773	62	5656	1.16	ppb(v#	83
4) Chloroethane	1.926	64	3333	1.03	ppb(v#	78
5) 1,1-Dichloroethene	2.309	61	6641	1.11	ppb(v#	74
6) trans-1,2-Dichloroethene	2.692	61	7342	1.03	ppb(v#	93
7) 1,1-Dichloroethane	2.769	63	6228m	1.13	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	4287	1.06	ppb(v#	6
9) Chloroform	3.331	83	7077	1.08	ppb(v	94
10) 1,1,1-Trichloroethane	3.944	97	5871	1.10	ppb(v#	71
11) 1,2-Dichloroethane	3.765	62	5682	1.09	ppb(v	88
12) Benzene	4.278	78	9020	1.06	ppb(v	90
13) Carbon Tetrachloride	4.411	117	6727	1.20	ppb(v	98
15) Toluene	7.458	92	6285	0.96	ppb(v#	92
16) Trichloroethene	5.231	95	4604	0.98	ppb(v	97
17) 1,2-Dichloropropane	4.987	65	1096	1.01	ppb(v#	50
18) Bromodichloromethane	5.187	83	7039	1.06	ppb(v	97
19) cis-1,3-Dichloropropene	6.215	75	4401	1.03	ppb(v	84
20) trans-1,3-Dichloropropene	6.909	75	3605	1.00	ppb(v#	77
21) 1,1,2-Trichloroethane	7.082	83	3350	1.00	ppb(v	98
22) Dibromochloromethane	8.036	129	7050	1.08	ppb(v	96
23) Tetrachloroethene	9.250	166	7887	1.05	ppb(v	96
24) 1,2-Dibromoethane	8.383	107	7167	1.13	ppb(v	99
26) Chlorobenzene	10.493	112	11404	1.06	ppb(v	92
27) 1,1,2,2-Tetrachloroethane	12.805	83	10659	1.13	ppb(v	96
29) 1,3-Dichlorobenzene	16.799	146	12957	1.11	ppb(v	85
30) 1,4-Dichlorobenzene	16.877	146	13057	1.16	ppb(v	98
31) 1,2-Dichlorobenzene	17.173	146	12519	1.13	ppb(v	97
32) Naphthalene	18.483	128	23255	1.13	ppb(v	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34730.D
Acq On : 30 Jan 2025 2:25 am
Operator : benk
Sample : ic1441-1.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 11:03:06 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:56:21 2025
Response via : Initial Calibration



Manual Integration Approval Summary

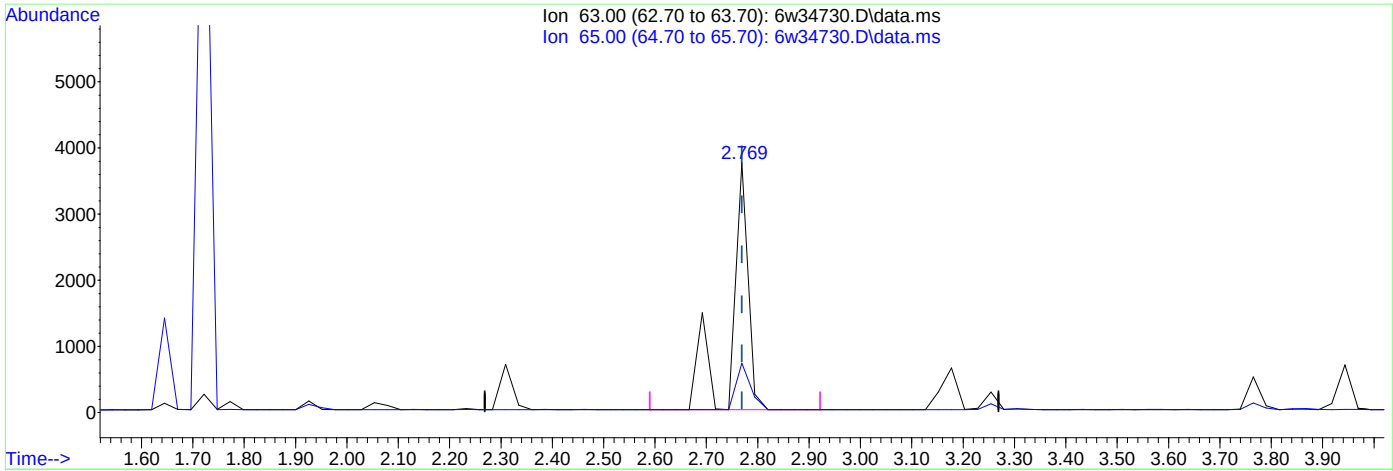
Sample Number: V6W1441-IC1441
Lab FileID: 6W34730.D
Injection Time: 01/30/25 02:25
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

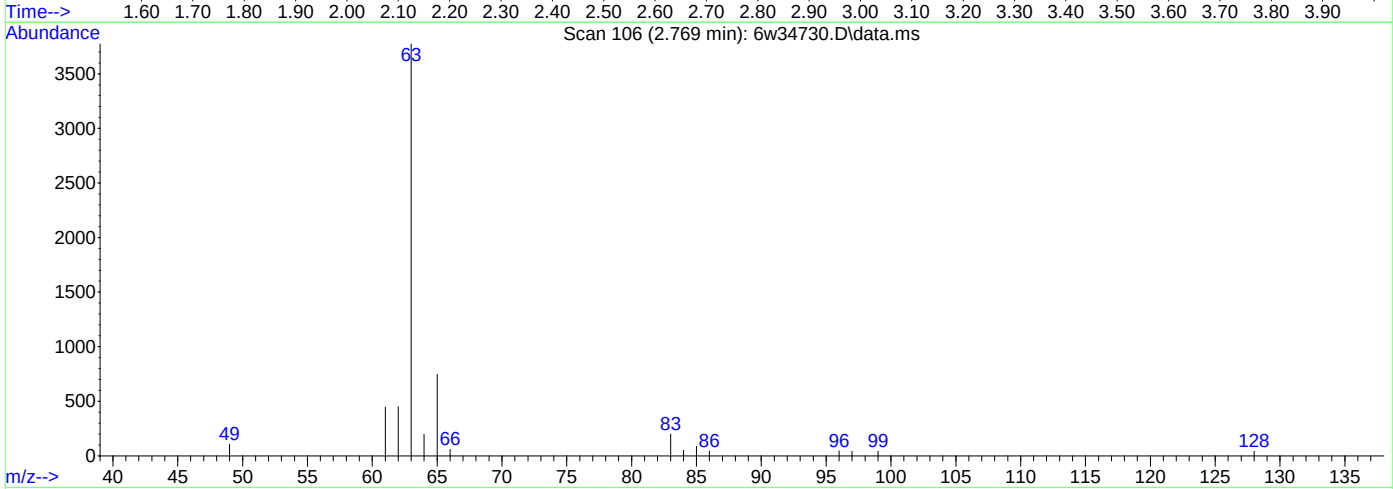
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34730.D
Acq On : 30 Jan 2025 2:25 am
Operator : benk
Sample : ic1441-1.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 10:59:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:56:21 2025
Response via : Initial Calibration





TIC: 6w34730.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 1.52ppb(v)

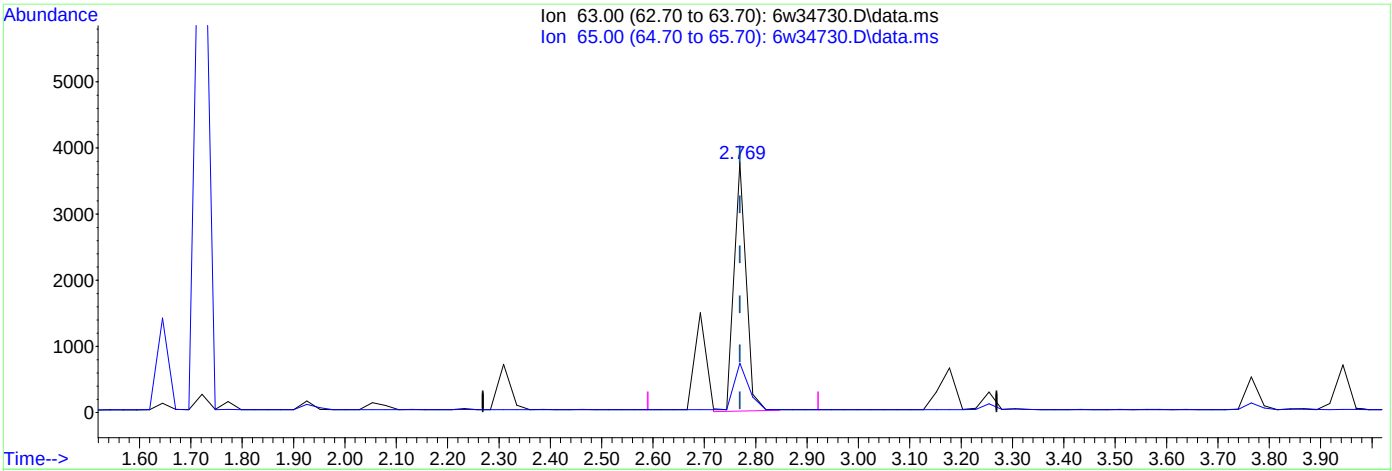
response 8361

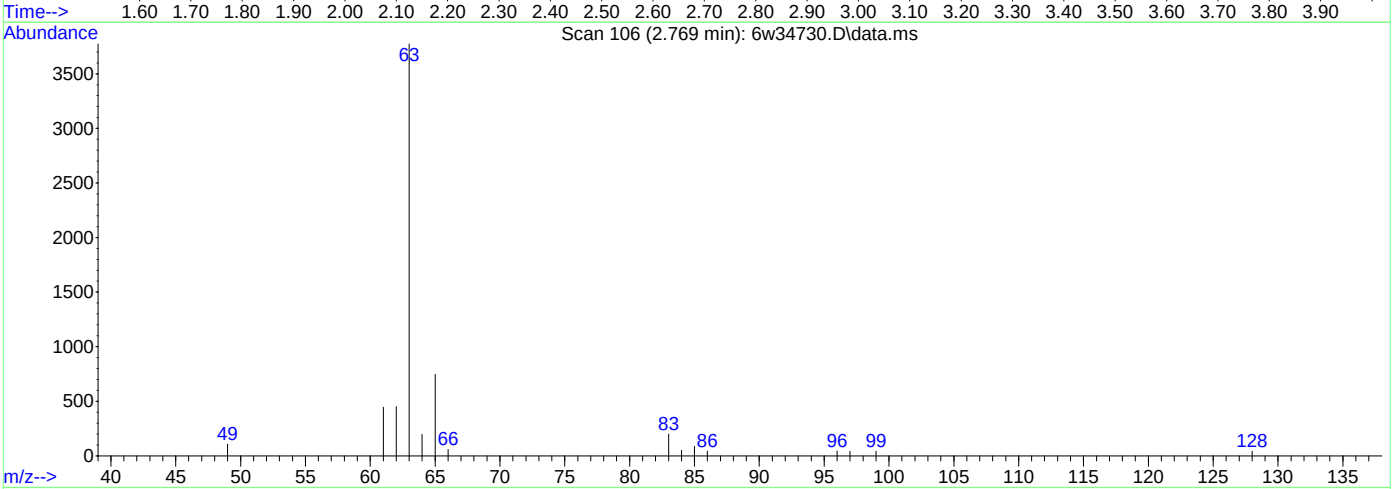
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	19.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34730.D
Acq On : 30 Jan 2025 2:25 am
Operator : benk
Sample : ic1441-1.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 10:59:14 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 10:56:21 2025
Response via : Initial Calibration





TIC: 6w34730.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 1.13ppb(v) m

response 6228

Ion	Exp%	Act%
63.00	100	100
65.00	27.70	19.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34732.D
Acq On : 30 Jan 2025 3:50 am
Operator : benk
Sample : ic1441-5.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 11:03:58 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:03:21 2025
Response via : Initial Calibration

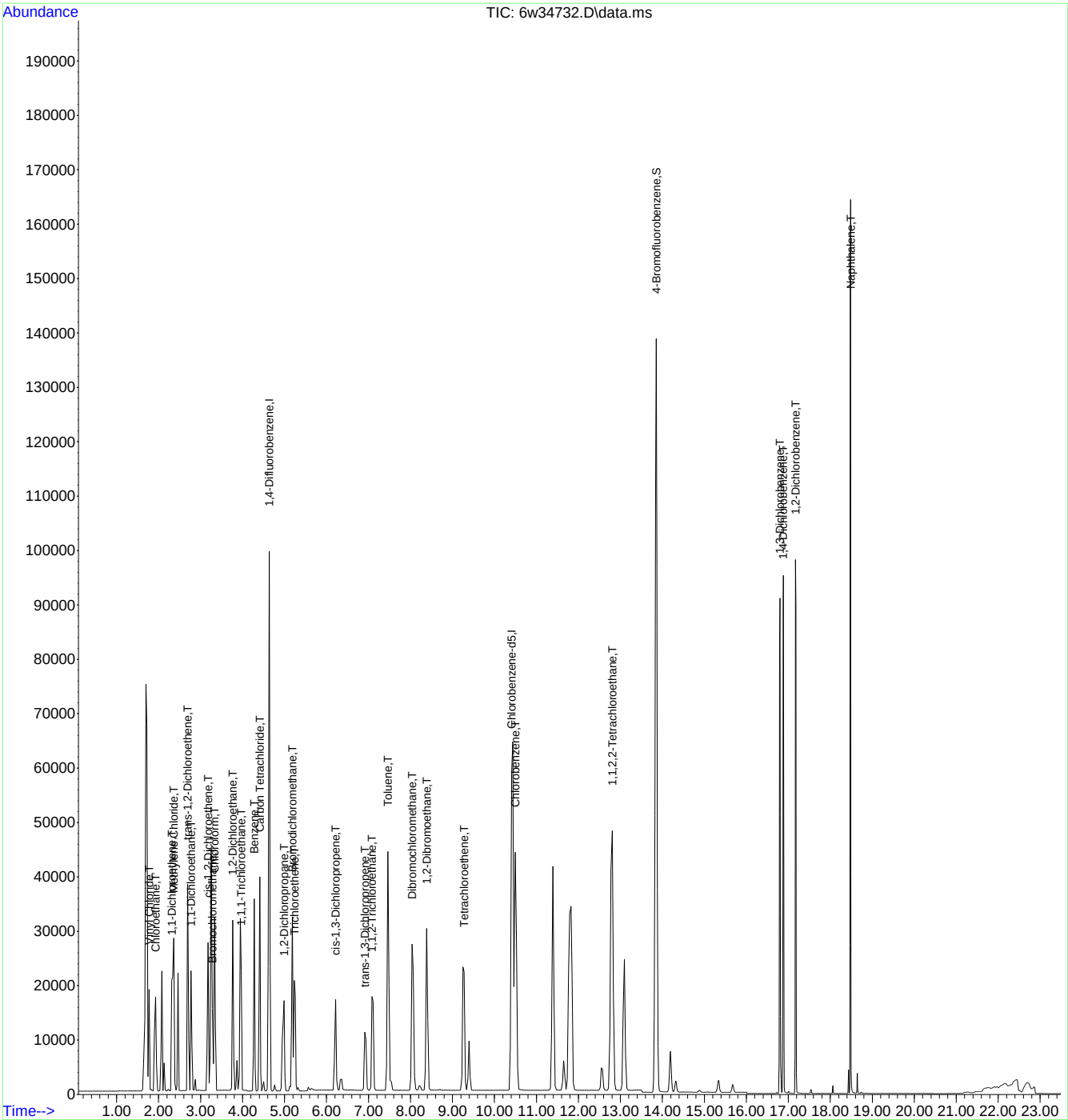
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	29926	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	154416	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	77300	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	114045	9.98	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.80%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	17367	3.67	ppb(v	77
3) Vinyl Chloride	1.773	62	21835	3.98	ppb(v#	75
4) Chloroethane	1.927	64	16643	4.64	ppb(v#	79
5) 1,1-Dichloroethene	2.310	61	25450	3.86	ppb(v#	72
6) trans-1,2-Dichloroethene	2.693	61	40162	5.09	ppb(v#	84
7) 1,1-Dichloroethane	2.769	63	26456	4.31	ppb(v#	79
8) cis-1,2-Dichloroethene	3.178	61	23034	5.14	ppb(v	81
9) Chloroform	3.331	83	33404	4.62	ppb(v	90
10) 1,1,1-Trichloroethane	3.970	97	32092	5.37	ppb(v	95
11) 1,2-Dichloroethane	3.765	62	29016	5.00	ppb(v	83
12) Benzene	4.278	78	48199	5.14	ppb(v	90
13) Carbon Tetrachloride	4.411	117	37830	5.86	ppb(v	99
15) Toluene	7.459	92	39339	5.97	ppb(v	88
16) Trichloroethene	5.232	95	24670	5.16	ppb(v	94
17) 1,2-Dichloropropane	4.988	65	5923	5.33	ppb(v#	37
18) Bromodichloromethane	5.187	83	38883	5.63	ppb(v	94
19) cis-1,3-Dichloropropene	6.216	75	25814	5.85	ppb(v	80
20) trans-1,3-Dichloropropene	6.909	75	22889	6.15	ppb(v#	73
21) 1,1,2-Trichloroethane	7.083	83	21287	6.24	ppb(v	90
22) Dibromochloromethane	8.037	129	46458	6.82	ppb(v	100
23) Tetrachloroethene	9.279	166	44627	5.79	ppb(v	84
24) 1,2-Dibromoethane	8.383	107	41042	6.16	ppb(v	95
26) Chlorobenzene	10.493	112	62079	5.42	ppb(v	89
27) 1,1,2,2-Tetrachloroethane	12.806	83	57838	5.68	ppb(v	96
29) 1,3-Dichlorobenzene	16.800	146	71350	5.61	ppb(v	85
30) 1,4-Dichlorobenzene	16.877	146	73245	5.96	ppb(v	96
31) 1,2-Dichlorobenzene	17.173	146	70113	5.82	ppb(v	95
32) Naphthalene	18.484	128	147348	6.58	ppb(v	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34732.D
Acq On : 30 Jan 2025 3:50 am
Operator : benk
Sample : ic1441-5.0
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 11:03:58 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:03:21 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 12:16:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration

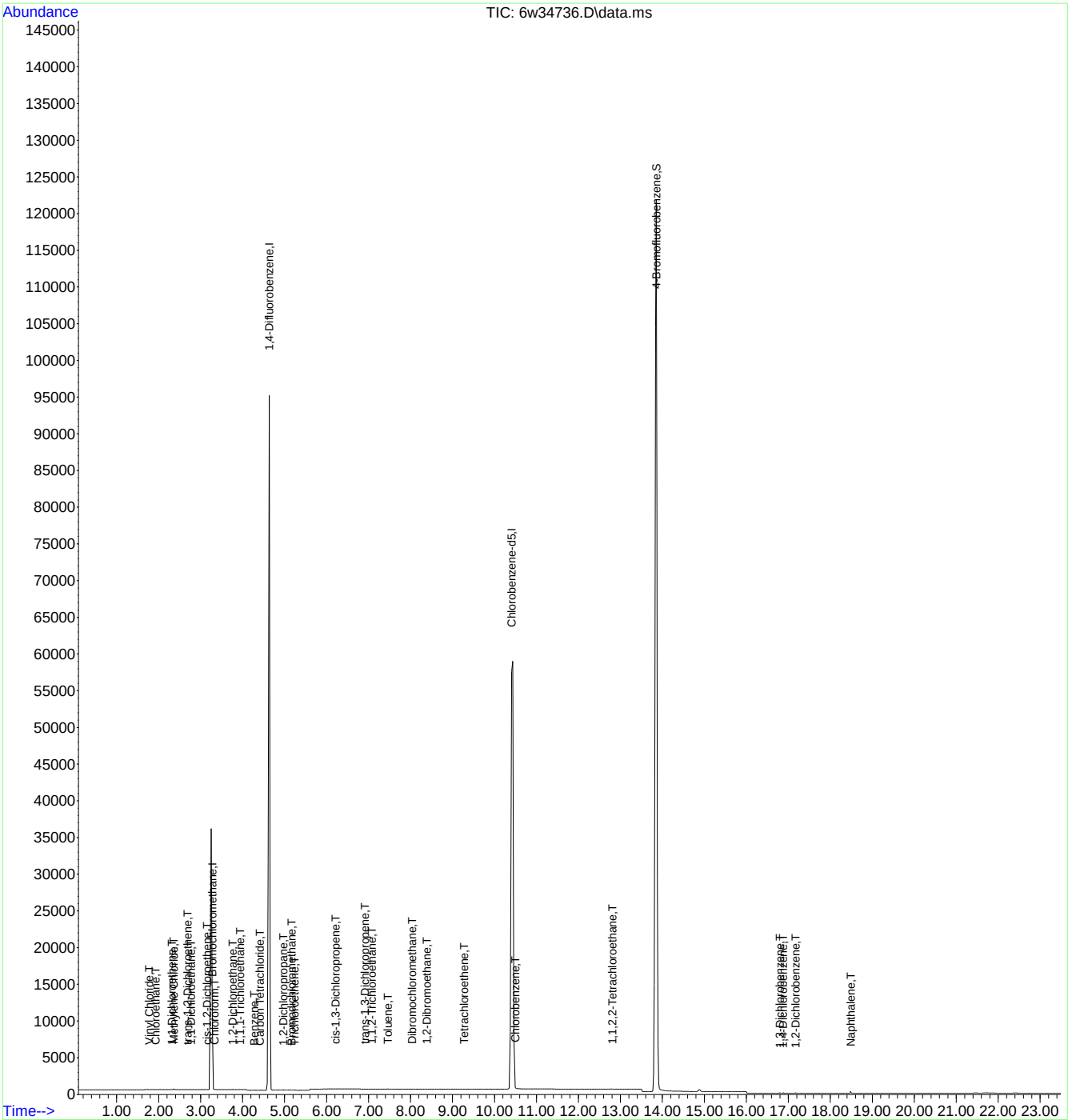
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26529	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	148642	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	71450	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	102668	9.71	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 97.10%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	84	0.01	ppb(v#	76
3) Vinyl Chloride	1.773	62	15	0.00	ppb(v#	1
4) Chloroethane	1.926	64	9m	0.00	ppb(v	
5) 1,1-Dichloroethene	2.309	61	17m	0.00	ppb(v	
6) trans-1,2-Dichloroethene	2.692	61	14	0.00	ppb(v#	1
7) 1,1-Dichloroethane	2.769	63	15m	0.00	ppb(v	
8) cis-1,2-Dichloroethene	3.152	61	12	0.00	ppb(v#	63
9) Chloroform	3.331	83	15	0.00	ppb(v#	52
10) 1,1,1-Trichloroethane	3.944	97	11	0.00	ppb(v	82
11) 1,2-Dichloroethane	3.765	62	11m	0.00	ppb(v	
12) Benzene	4.278	78	35m	0.00	ppb(v	
13) Carbon Tetrachloride	4.411	117	9	0.00	ppb(v	94
15) Toluene	7.458	92	33m	0.00	ppb(v	
16) Trichloroethene	5.231	95	13m	0.00	ppb(v	
17) 1,2-Dichloropropane	4.965	65	3	0.00	ppb(v#	25
18) Bromodichloromethane	5.165	83	16m	0.00	ppb(v	
19) cis-1,3-Dichloropropene	6.215	75	9	0.00	ppb(v#	37
20) trans-1,3-Dichloropropene	6.909	75	10	0.00	ppb(v#	28
21) 1,1,2-Trichloroethane	7.082	83	7m	0.00	ppb(v	
22) Dibromochloromethane	8.036	129	14	0.00	ppb(v	85
23) Tetrachloroethene	9.279	166	16m	0.00	ppb(v	
24) 1,2-Dibromoethane	8.383	107	16	0.00	ppb(v	97
26) Chlorobenzene	10.493	112	31m	0.00	ppb(v	
27) 1,1,2,2-Tetrachloroethane	12.805	83	23	0.00	ppb(v#	66
29) 1,3-Dichlorobenzene	16.800	146	57	0.00	ppb(v#	63
30) 1,4-Dichlorobenzene	16.877	146	56	0.00	ppb(v#	76
31) 1,2-Dichlorobenzene	17.173	146	55	0.00	ppb(v	77
32) Naphthalene	18.483	128	258	0.01	ppb(v#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 12:16:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration



Manual Integration Approval Summary

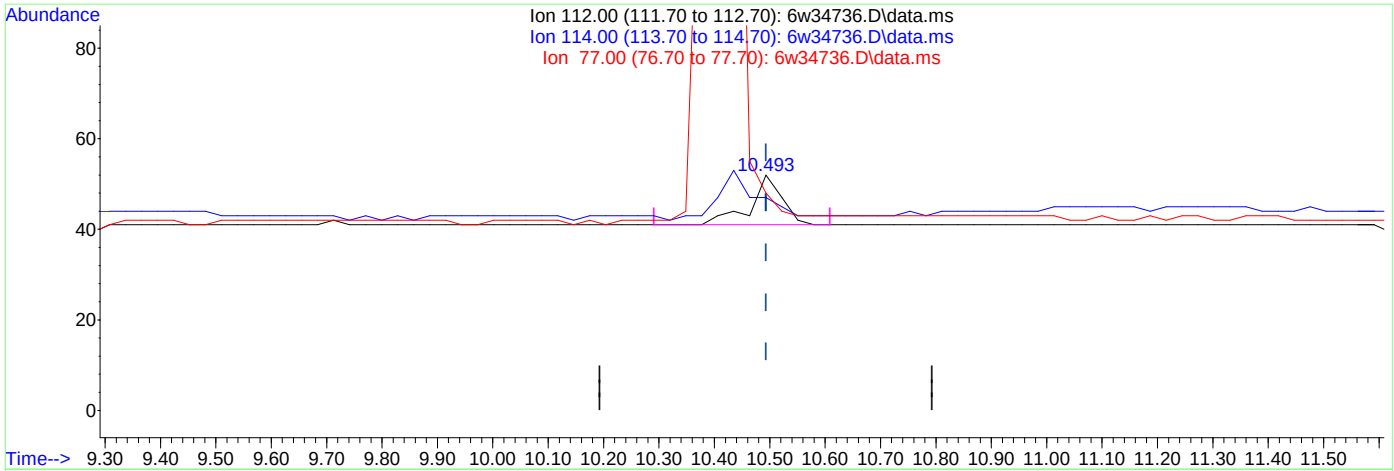
Sample Number: V6W1441-IC1441
Lab FileID: 6W34736.D
Injection Time: 01/30/25 06:31
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

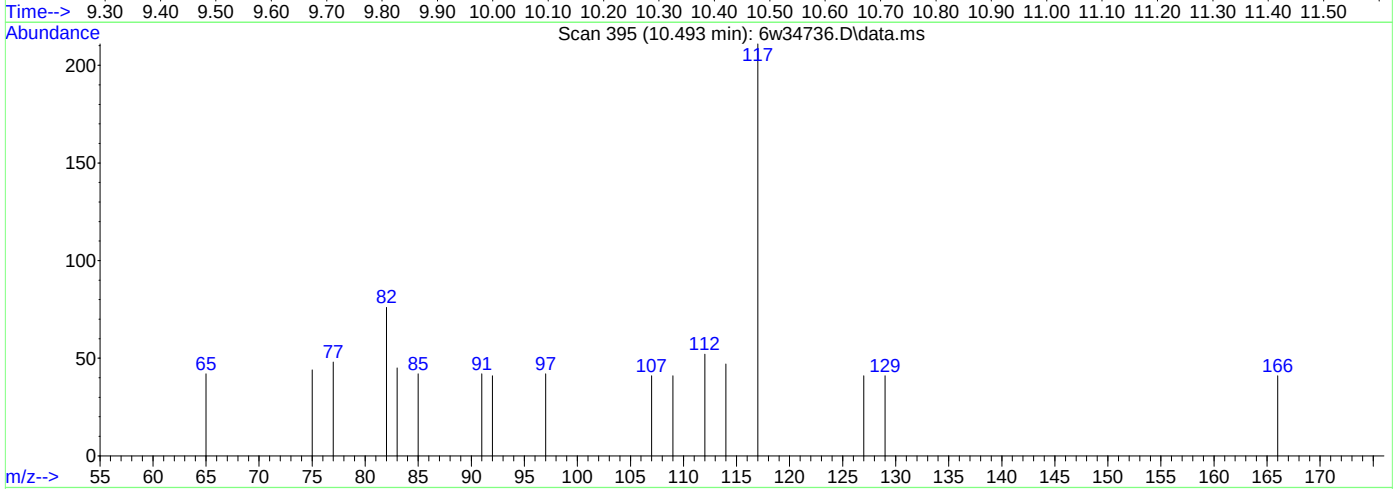
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroethane	75-00-3		1.93	Poor instrument integration
1,1-Dichloroethylene	75-35-4		2.31	Poor instrument integration
1,1-Dichloroethane	75-34-3		2.77	Poor instrument integration
1,2-Dichloroethane	107-06-2		3.76	Poor instrument integration
Benzene	71-43-2		4.28	Poor instrument integration
Bromodichloromethane	75-27-4		5.16	Poor instrument integration
Trichloroethylene	79-01-6		5.23	Poor instrument integration
1,1,2-Trichloroethane	79-00-5		7.08	Poor instrument integration
Toluene	108-88-3		7.46	Poor instrument integration
Tetrachloroethylene	127-18-4		9.28	Poor instrument integration
Chlorobenzene	108-90-7		10.49	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(26) Chlorobenzene (T)

10.493min (-0.000) 0.00ppb(v)

response 43

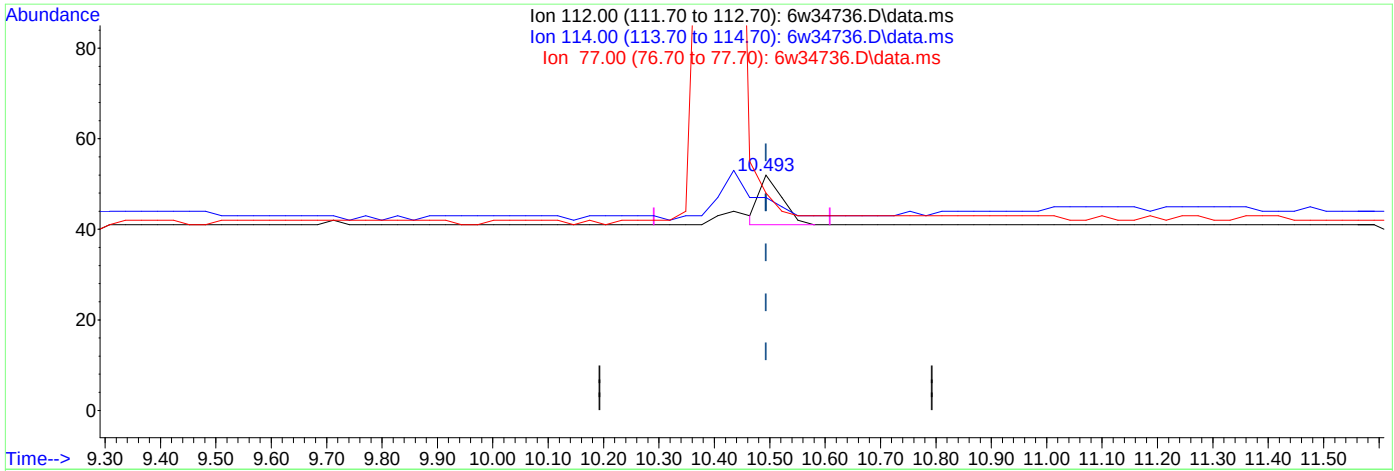
Ion	Exp%	Act%
112.00	100	100
114.00	38.60	90.38#
77.00	48.80	92.31#
0.00	0.00	0.00

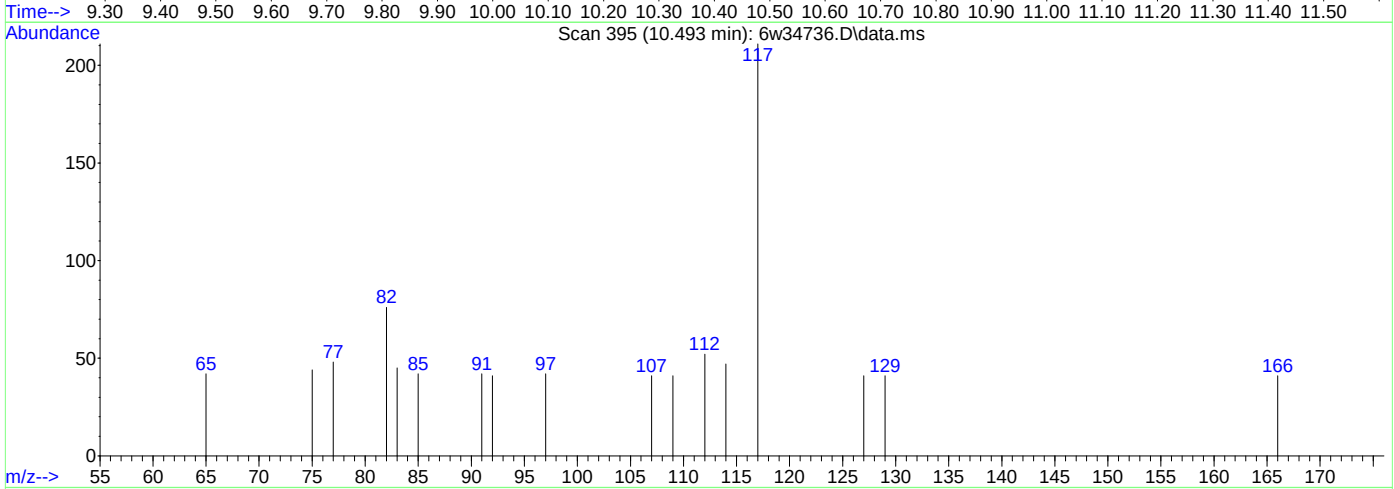
6W34736.D edits: Chlorobenzene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:46:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(26) Chlorobenzene (T)

10.493min (-0.000) 0.00ppb(v) m

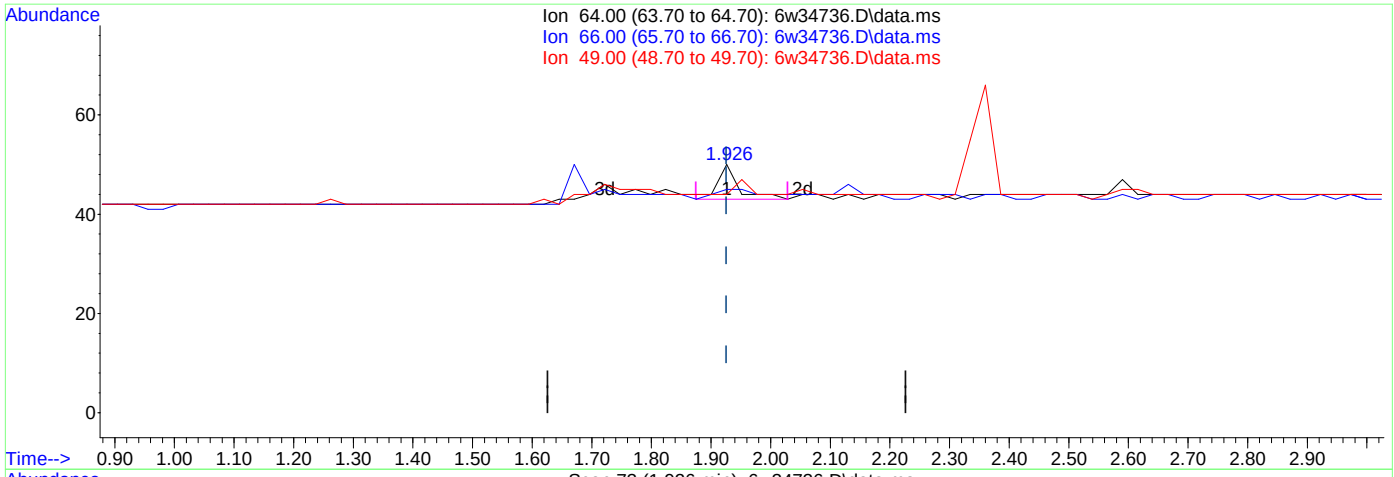
response 31

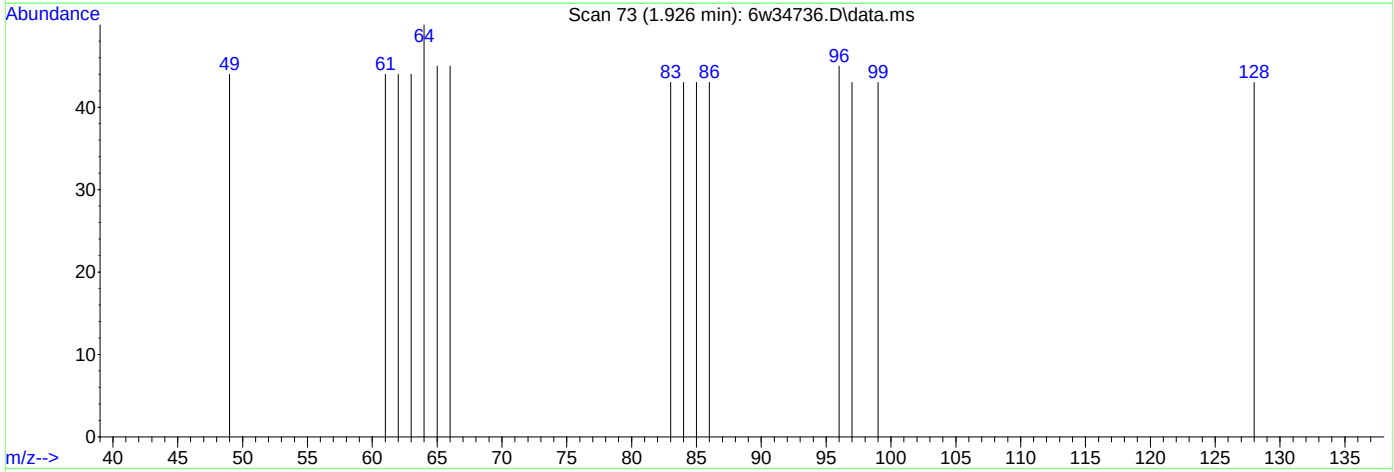
Ion	Exp%	Act%
112.00	100	100
114.00	38.60	90.38#
77.00	48.80	92.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(4) Chloroethane (T)

1.926min (+0.000) 0.00ppb(v)

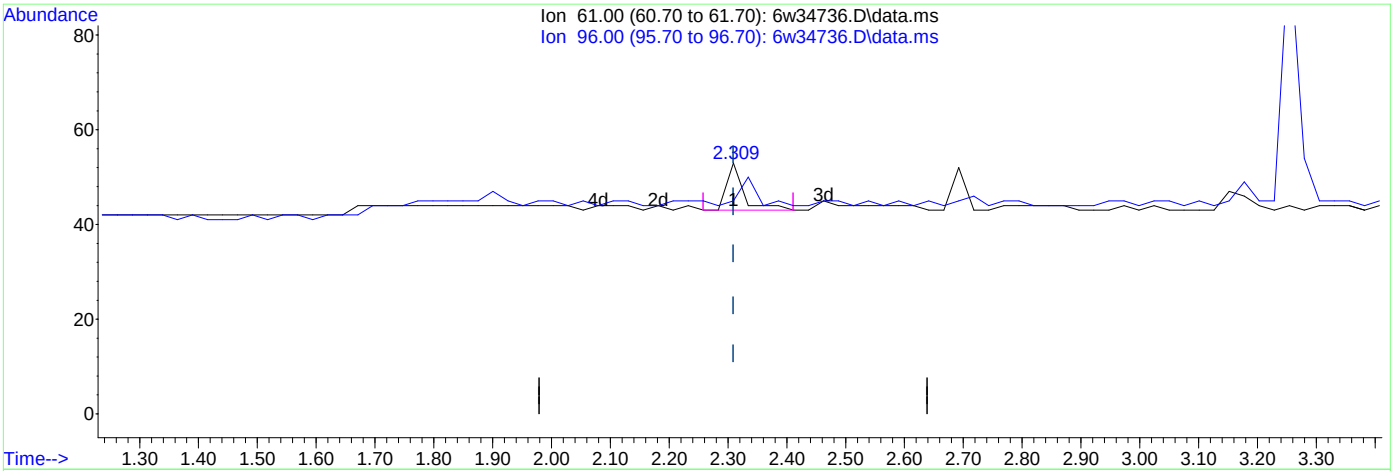
response 17

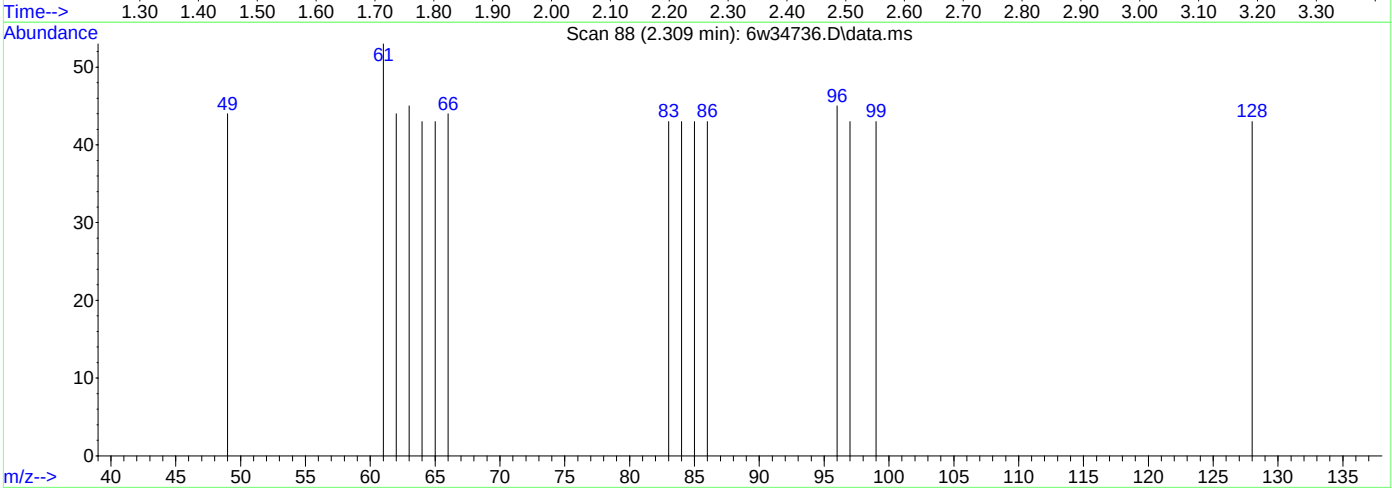
Ion	Exp%	Act%
64.00	100	100
66.00	34.60	90.00#
49.00	32.70	88.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(5) 1,1-Dichloroethene (T)

2.309min (+0.000) 0.00ppb(v)

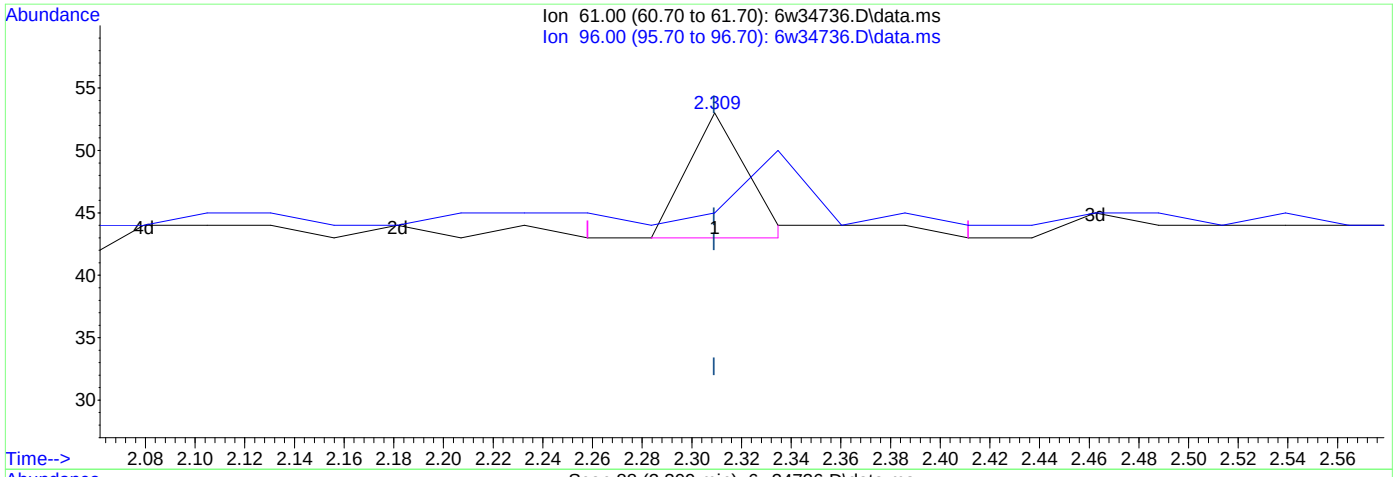
response 20

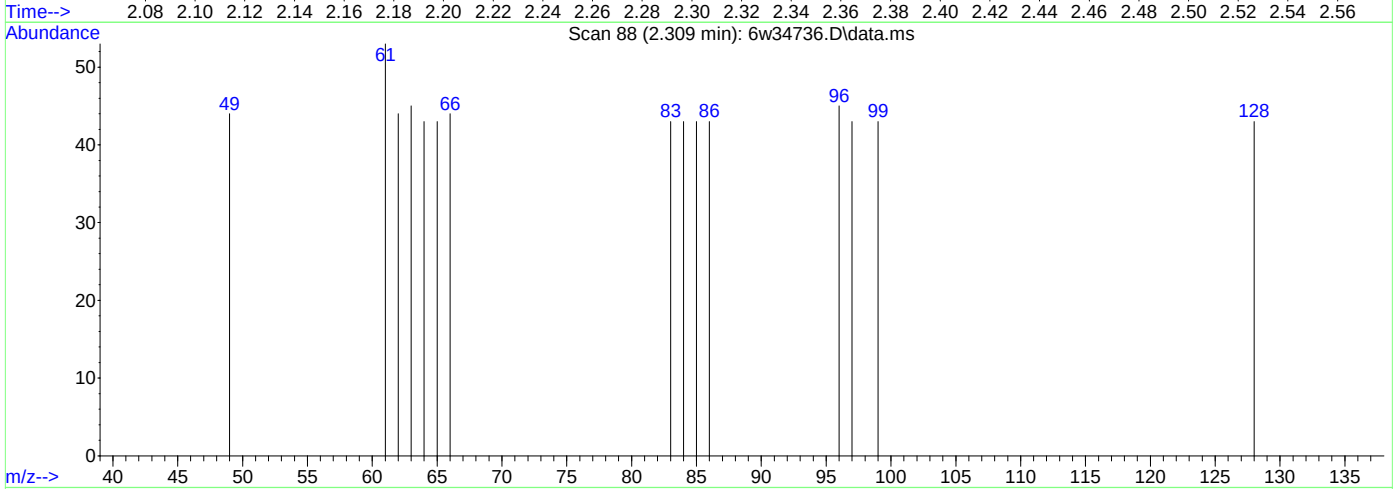
Ion	Exp%	Act%
61.00	100	100
96.00	10.90	84.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(5) 1,1-Dichloroethene (T)

2.309min (+0.000) 0.00ppb(v) m

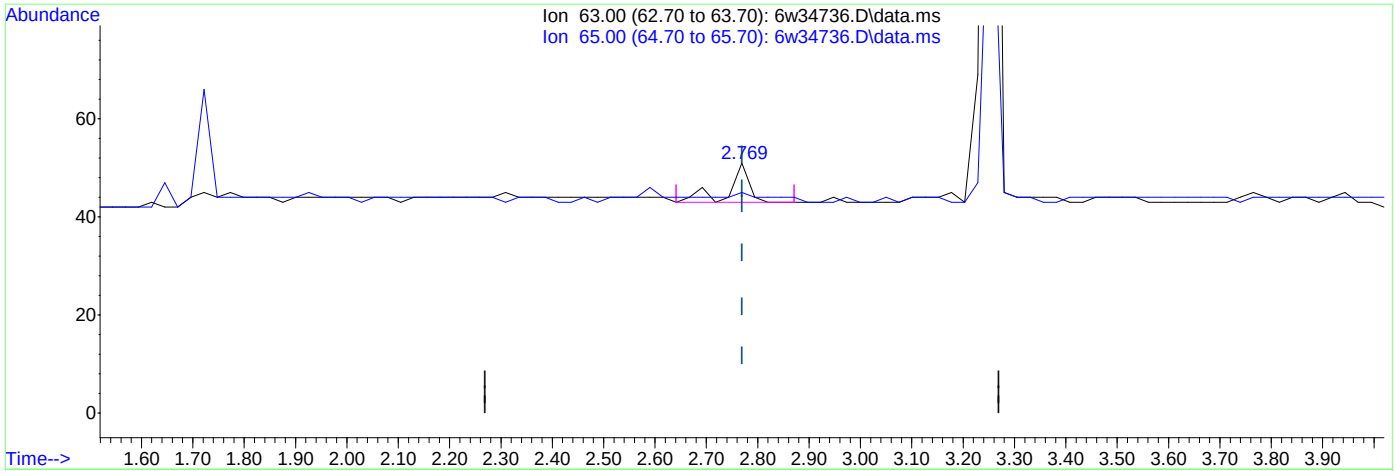
response 17

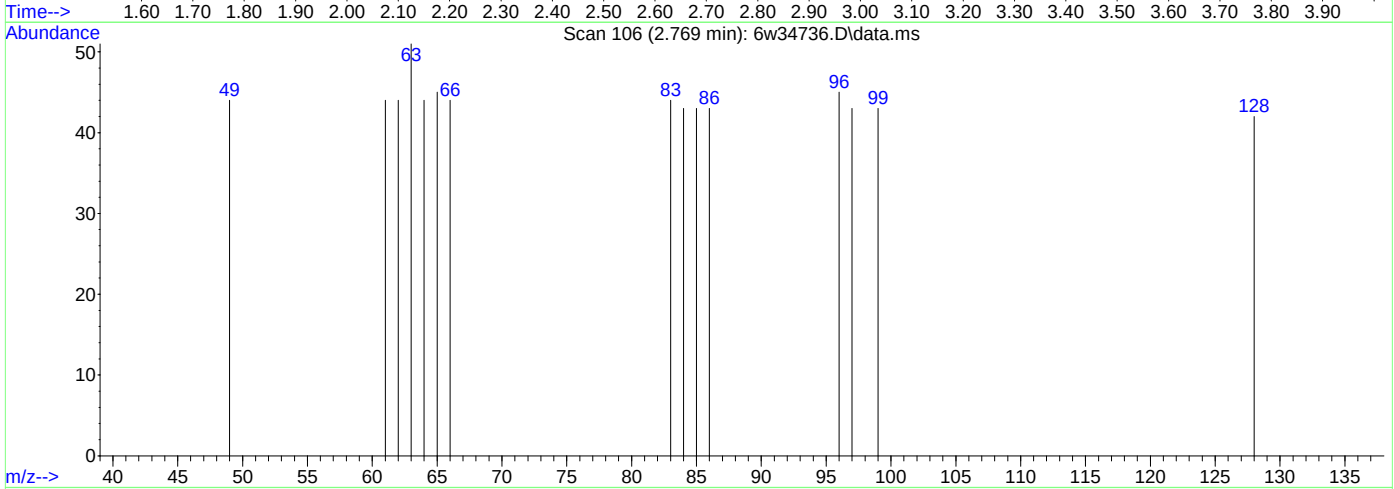
Ion	Exp%	Act%
61.00	100	100
96.00	10.90	84.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.00ppb(v)

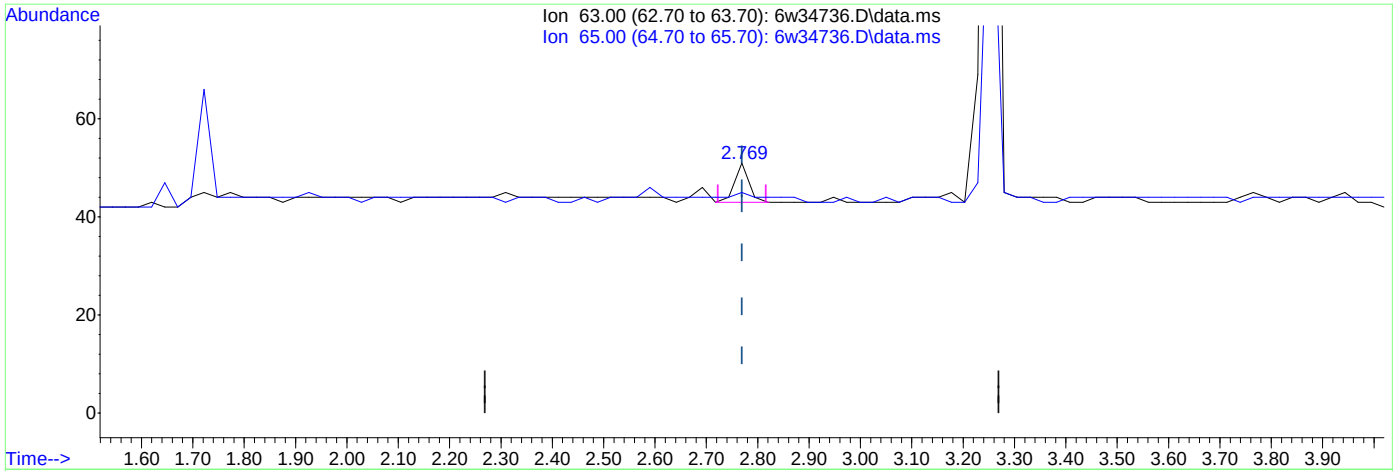
response 21

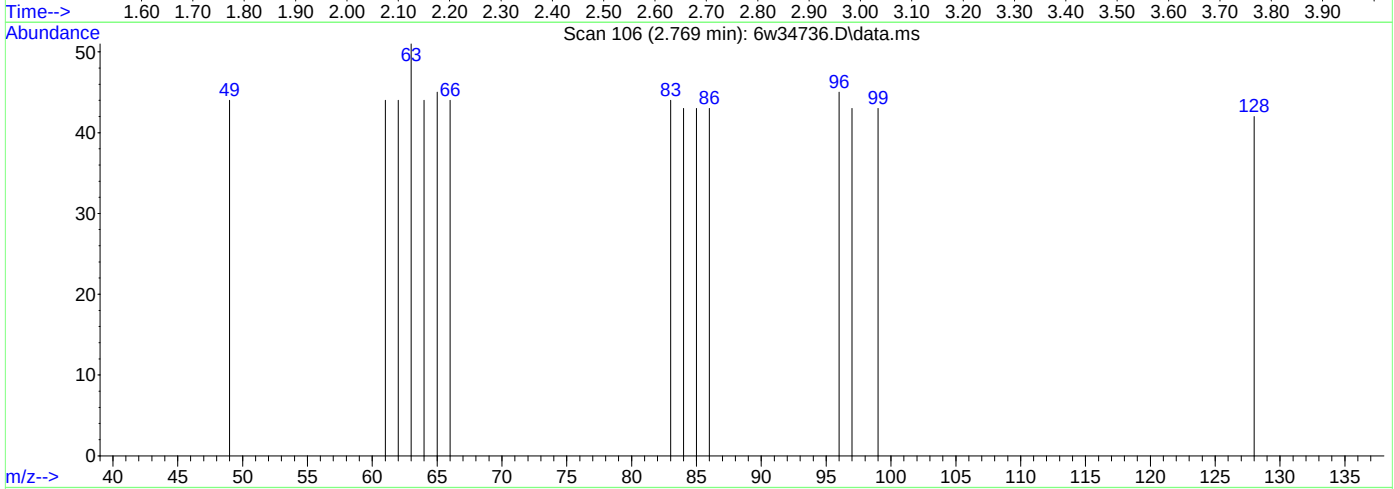
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	88.24#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(7) 1,1-Dichloroethane (T)

2.769min (-0.000) 0.00ppb(v) m

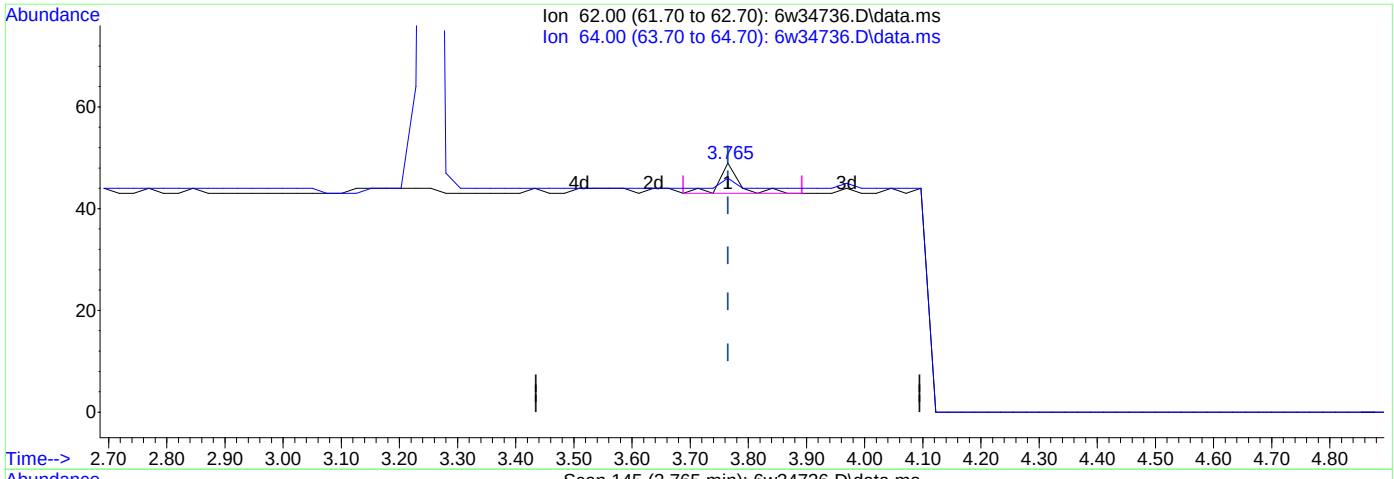
response 15

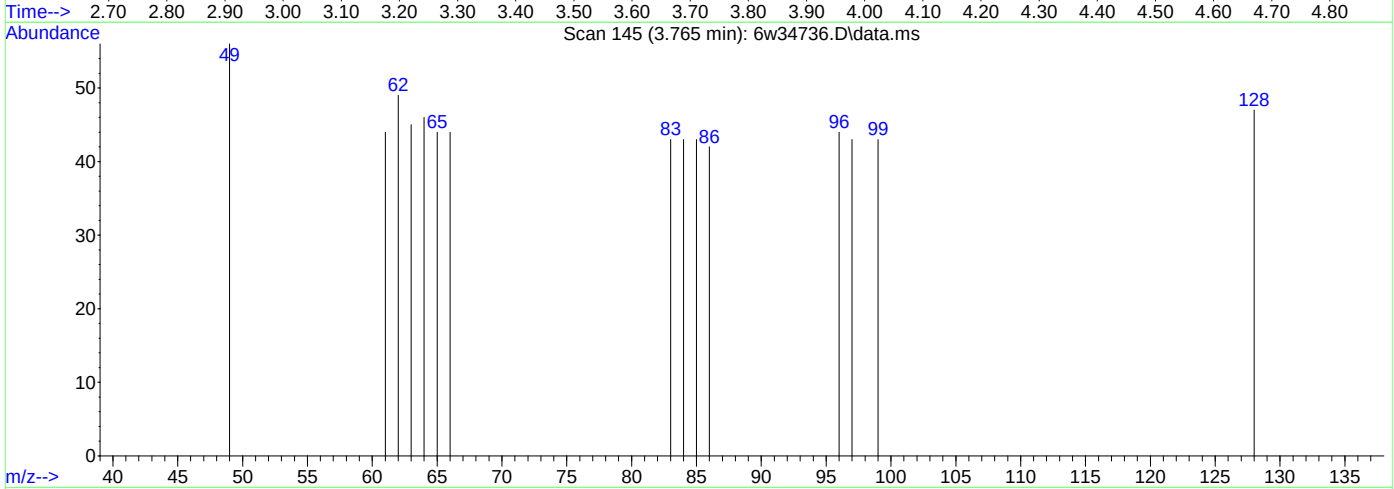
Ion	Exp%	Act%
63.00	100	100
65.00	27.70	88.24#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(11) 1,2-Dichloroethane (T)

3.765min (-0.000) 0.00ppb(v)

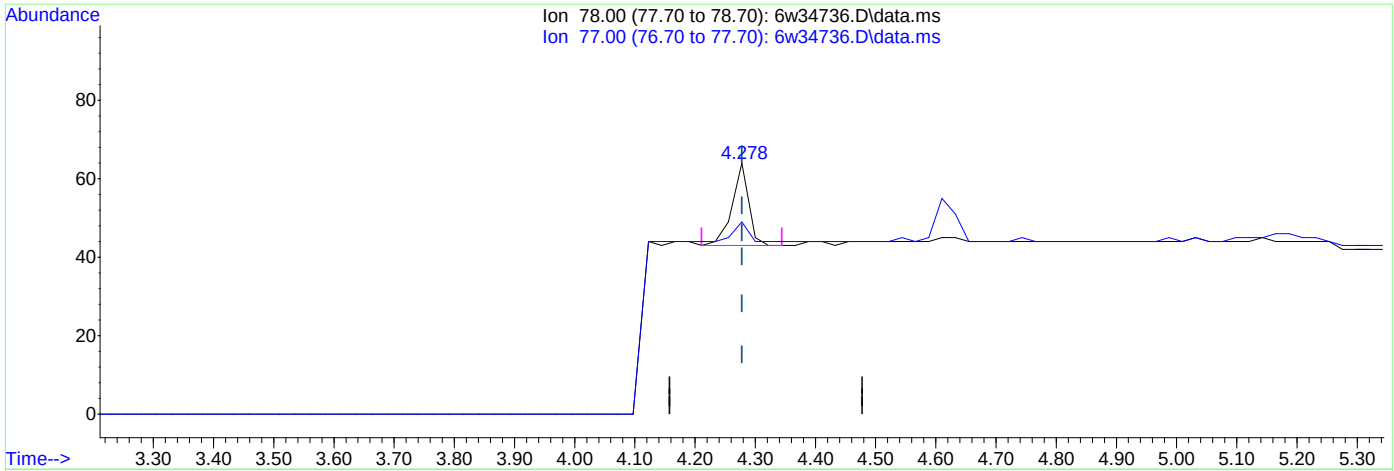
response 14

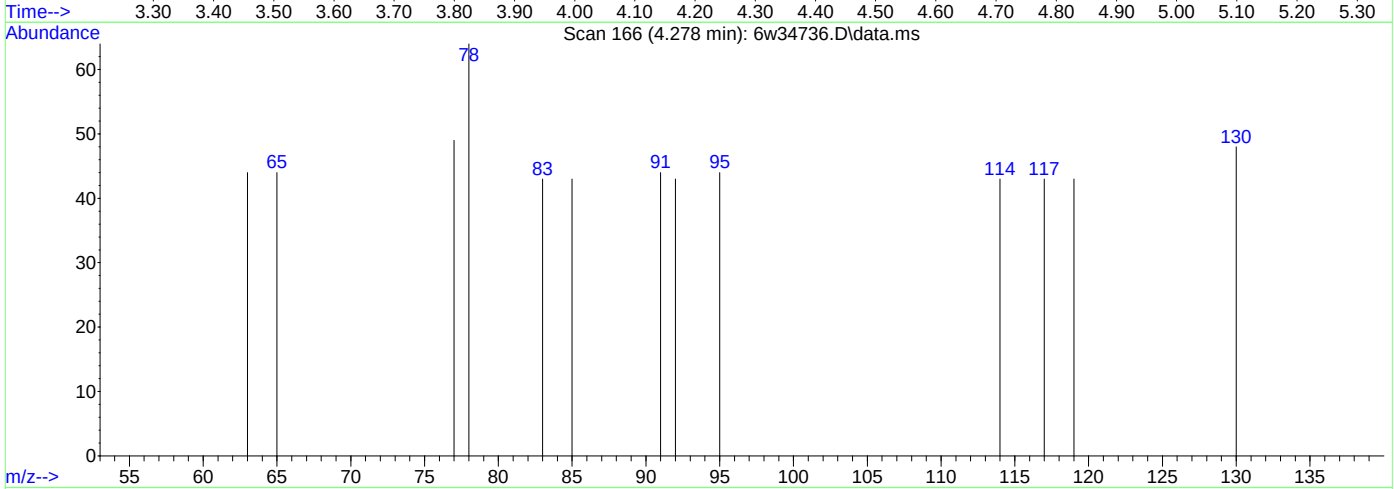
Ion	Exp%	Act%
62.00	100	100
64.00	34.90	93.88#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(12) Benzene (T)

4.278min (-0.000) 0.00ppb(v)

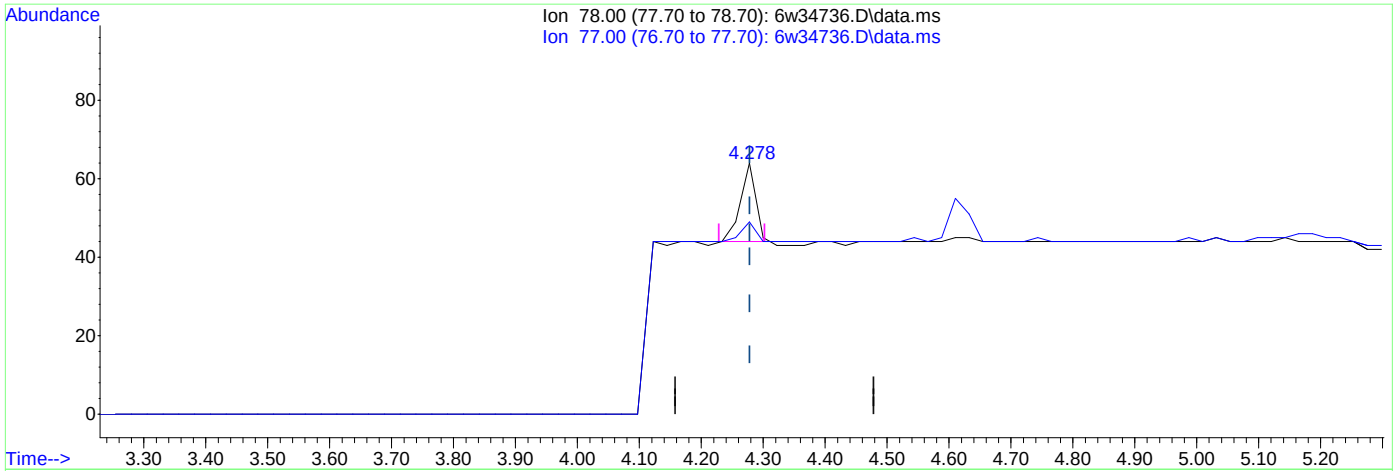
response 40

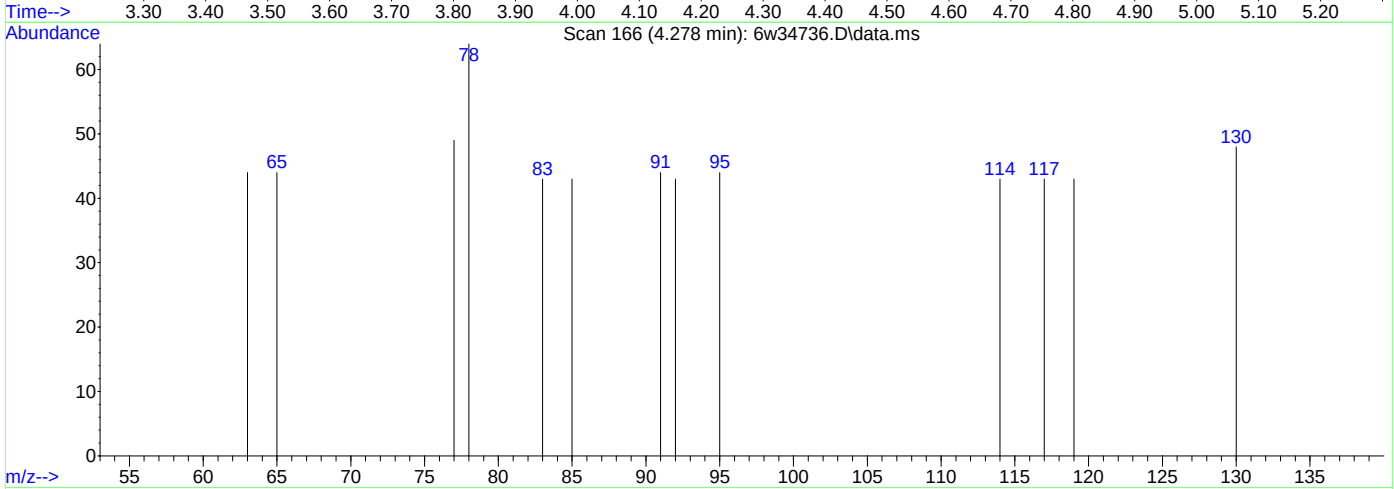
Ion	Exp%	Act%
78.00	100	100
77.00	28.20	76.56#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(12) Benzene (T)

4.278min (-0.000) 0.00ppb(v) m

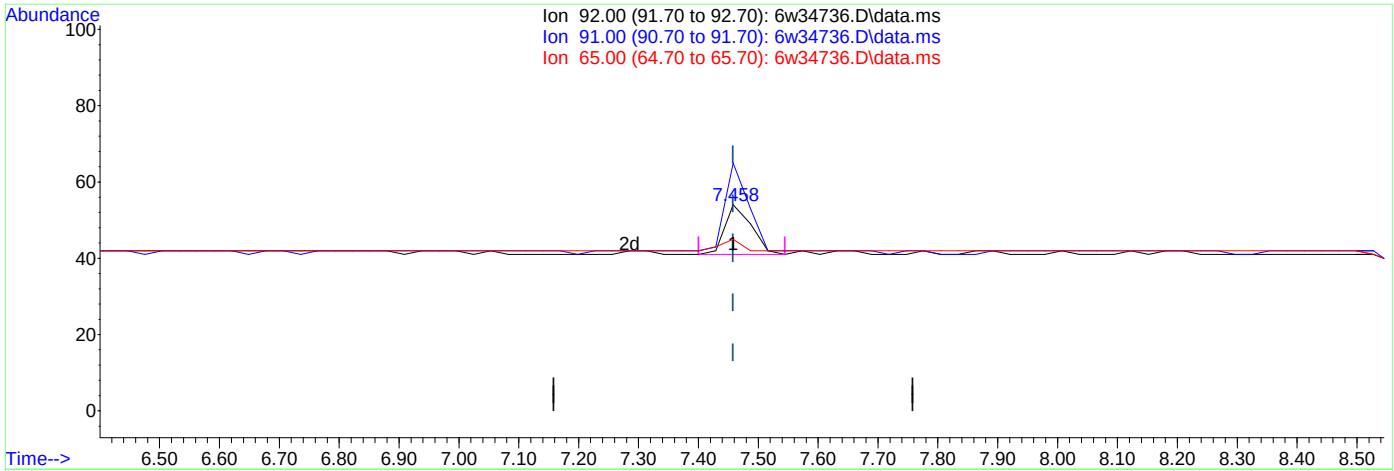
response 35

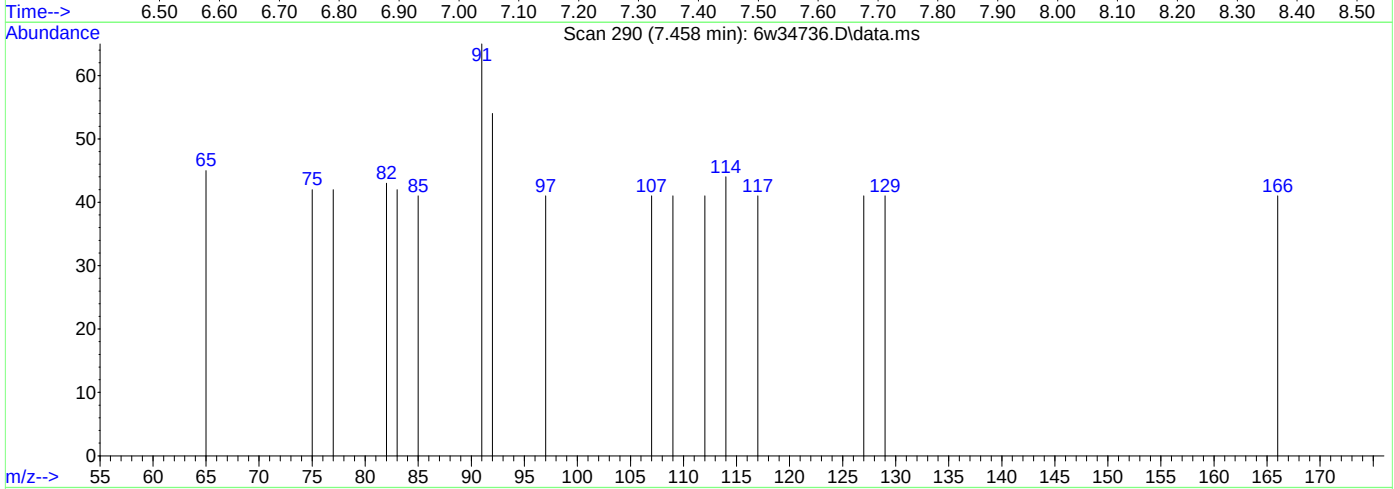
Ion	Exp%	Act%
78.00	100	100
77.00	28.20	76.56#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(15) Toluene (T)

7.458min (+0.000) 0.01ppb(v)

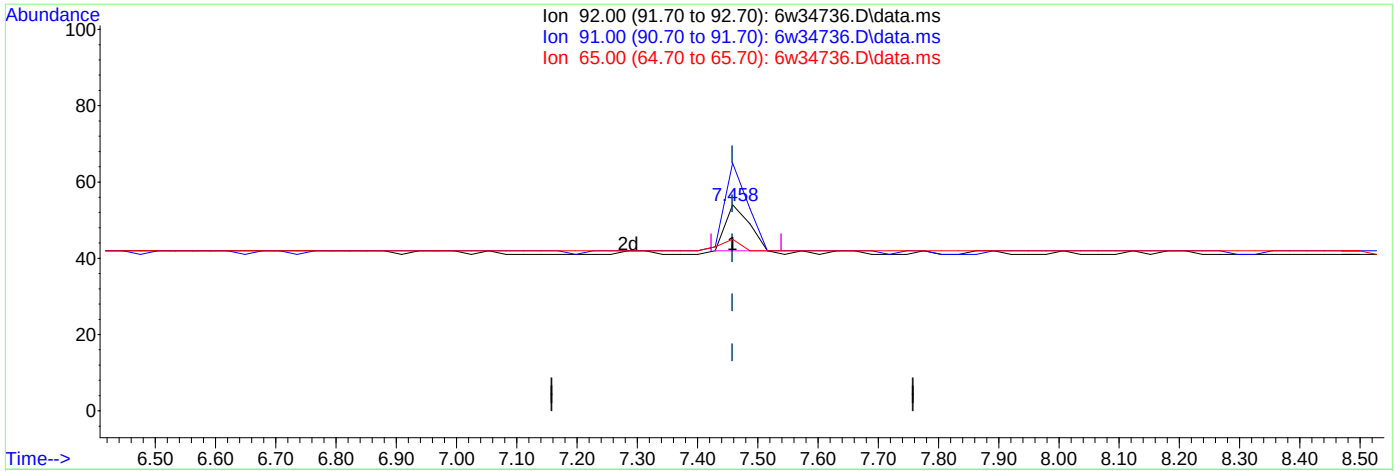
response 40

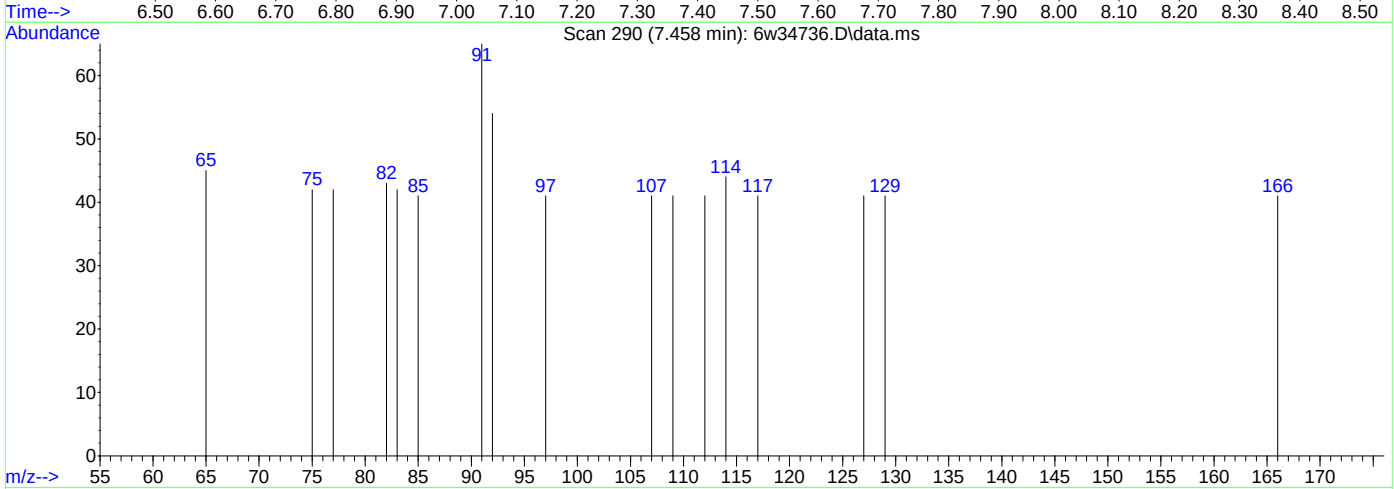
Ion	Exp%	Act%
92.00	100	100
91.00	165.40	120.37
65.00	32.00	83.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(15) Toluene (T)

7.458min (+0.000) 0.00ppb(v) m

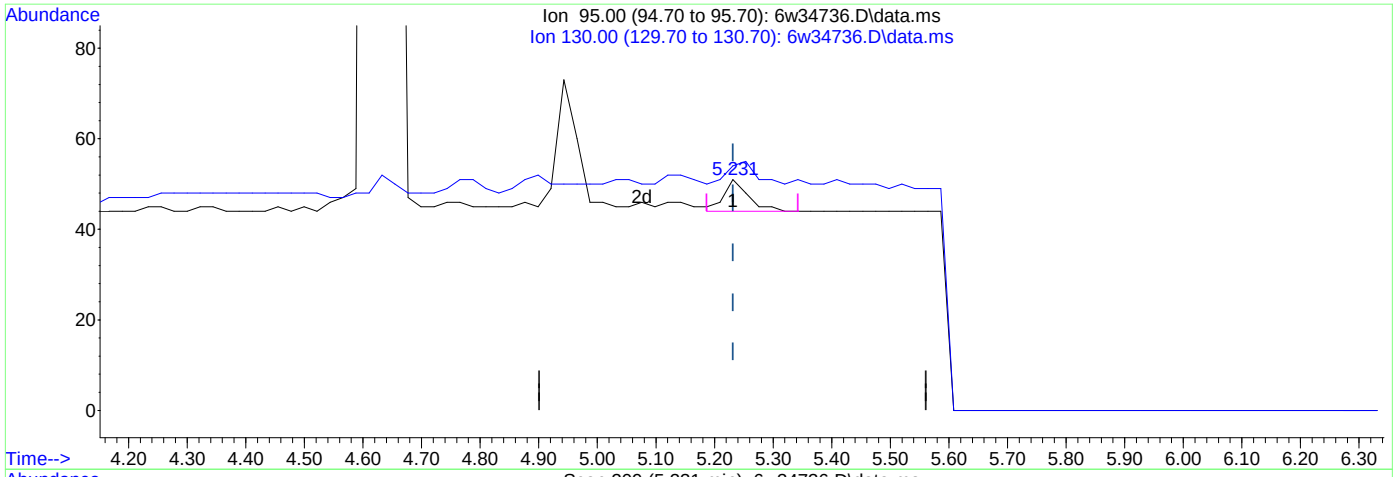
response 33

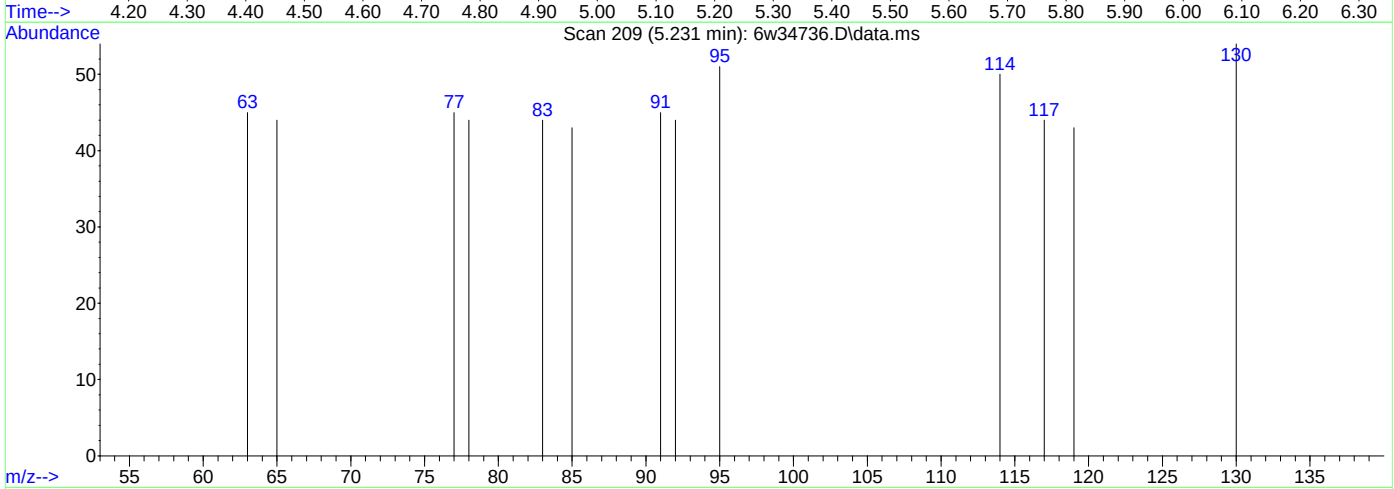
Ion	Exp%	Act%
92.00	100	100
91.00	165.40	120.37
65.00	32.00	83.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(16) Trichloroethene (T)

5.231min (+0.000) 0.00ppb(v)

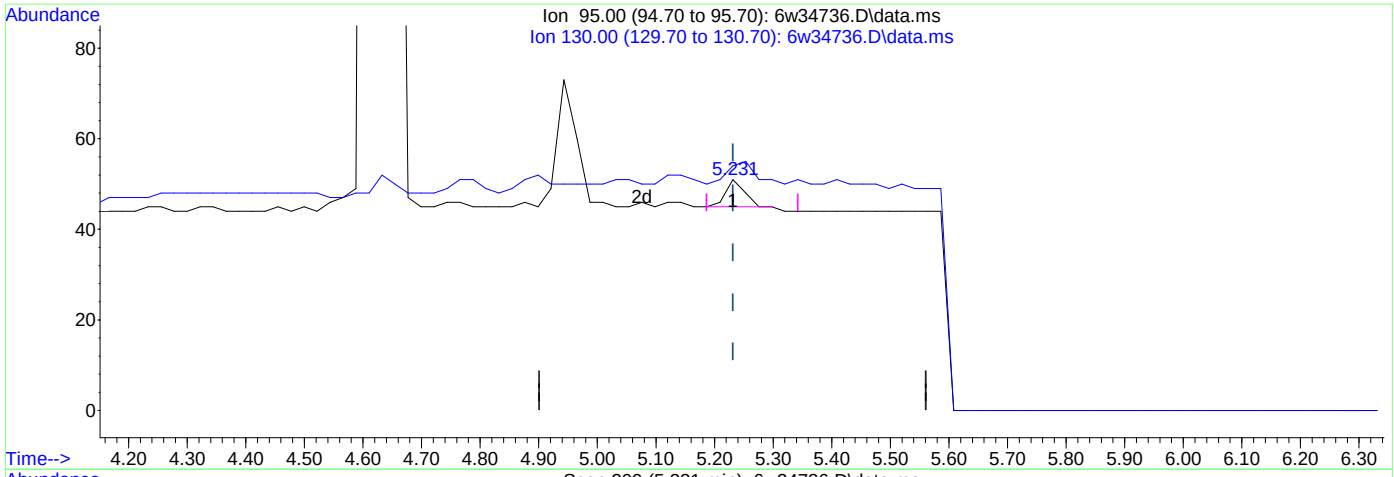
response 20

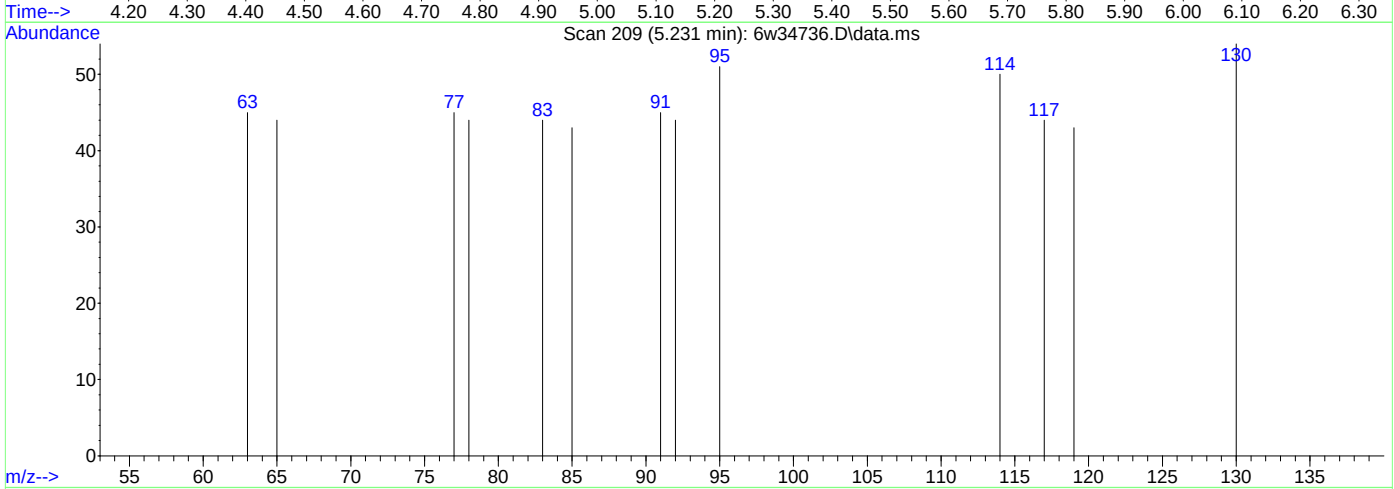
Ion	Exp%	Act%
95.00	100	100
130.00	82.80	105.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(16) Trichloroethene (T)

5.231min (+0.000) 0.00ppb(v) m

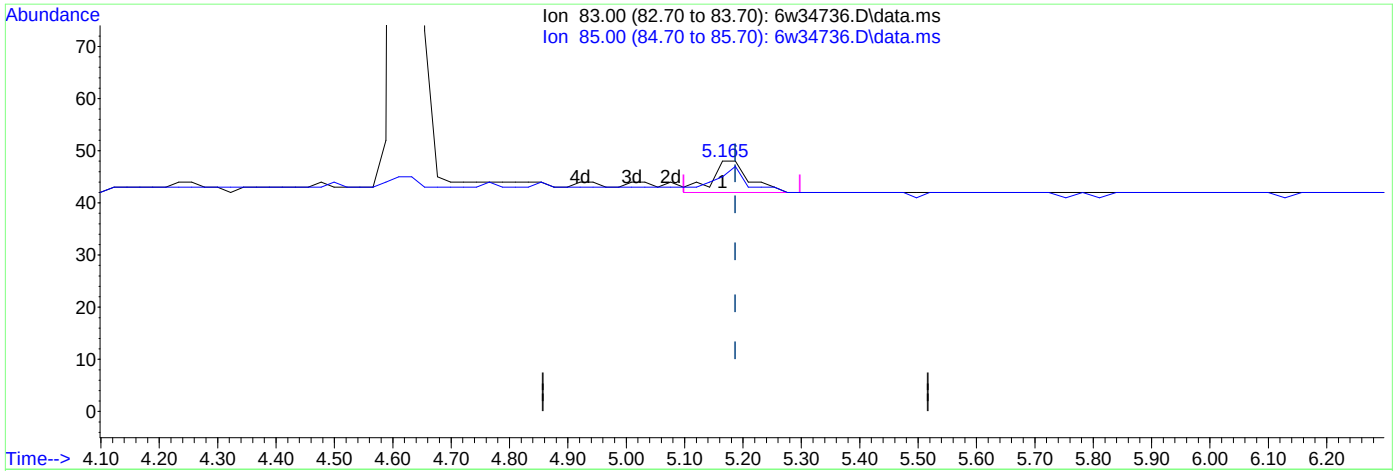
response 13

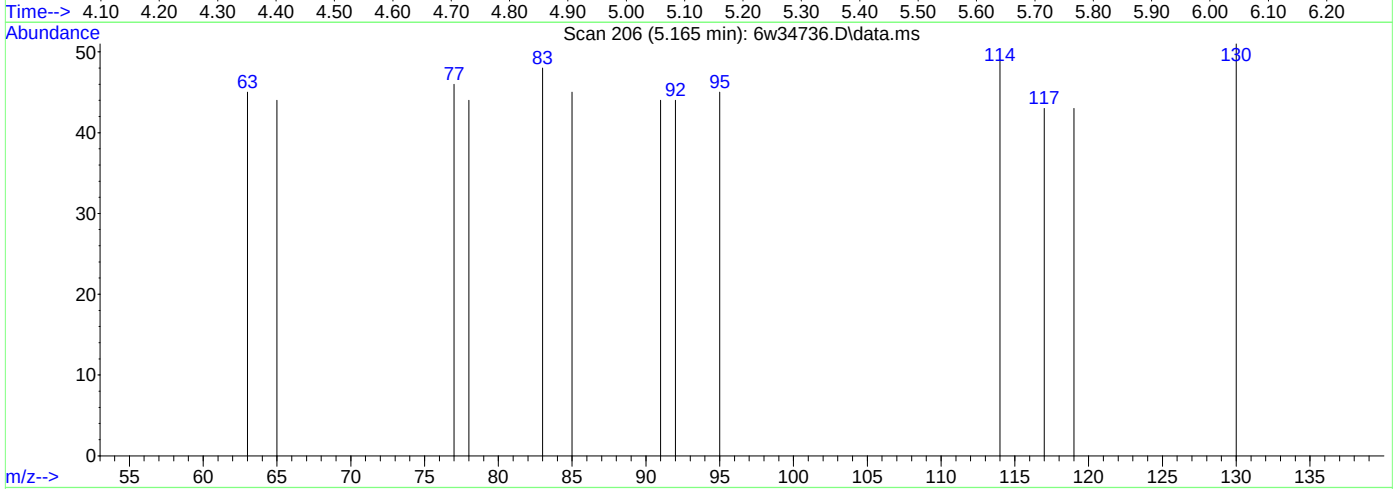
Ion	Exp%	Act%
95.00	100	100
130.00	82.80	105.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(18) Bromodichloromethane (T)

5.165min (-0.022) 0.00ppb(v)

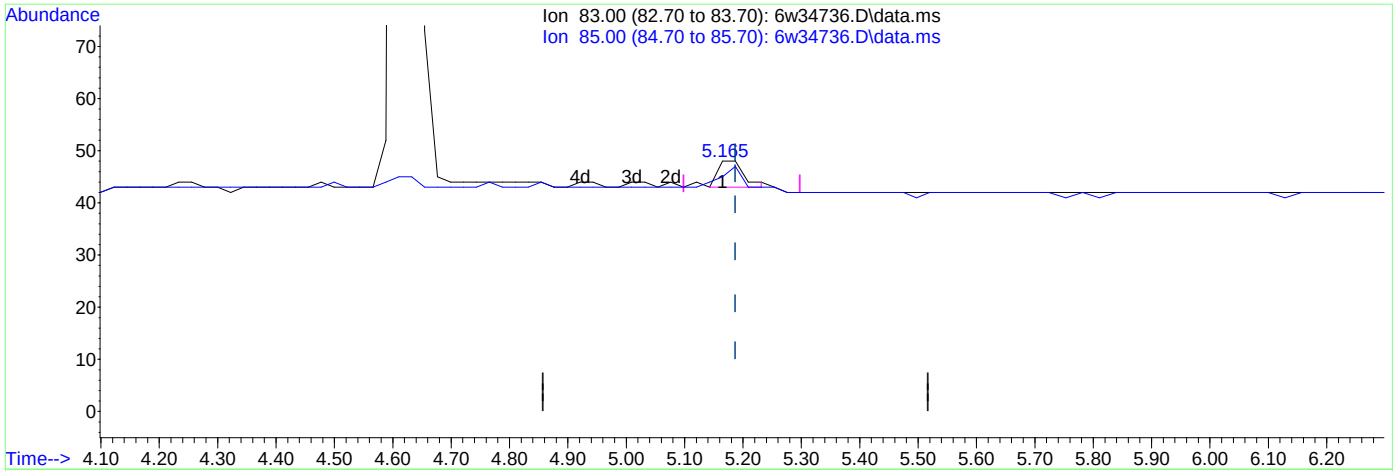
response 27

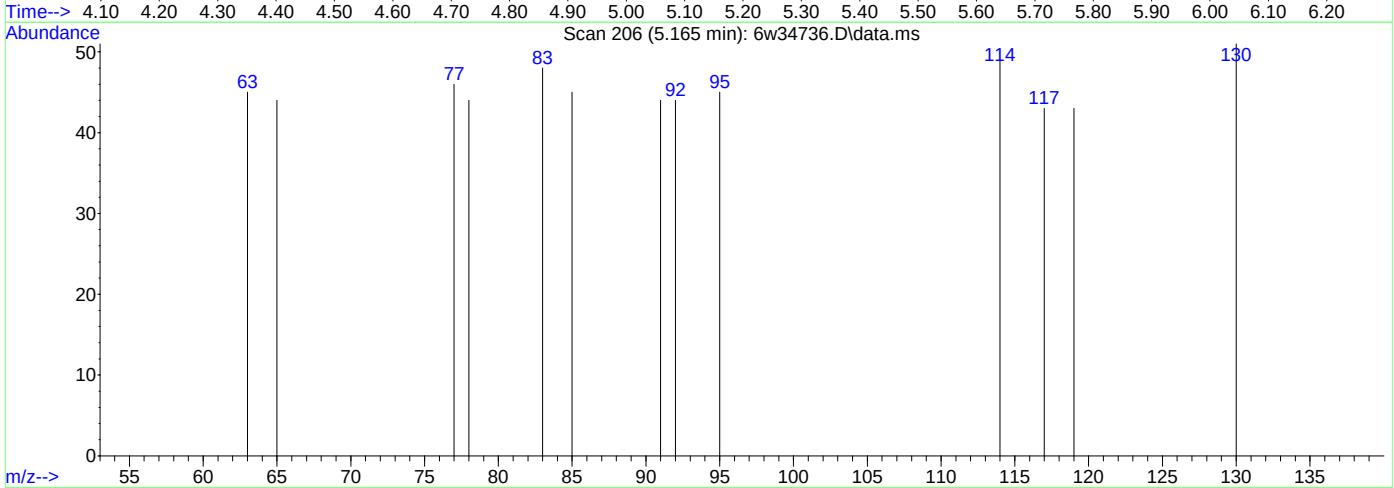
Ion	Exp%	Act%
83.00	100	100
85.00	71.50	93.75#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:47:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(18) Bromodichloromethane (T)

5.165min (-0.022) 0.00ppb(v) m

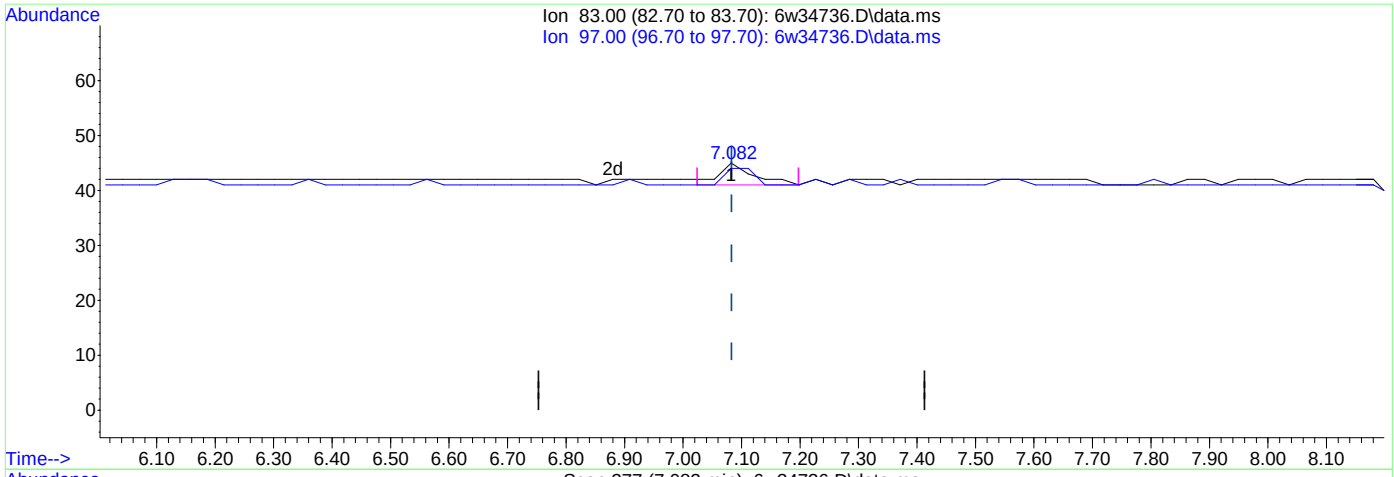
response 16

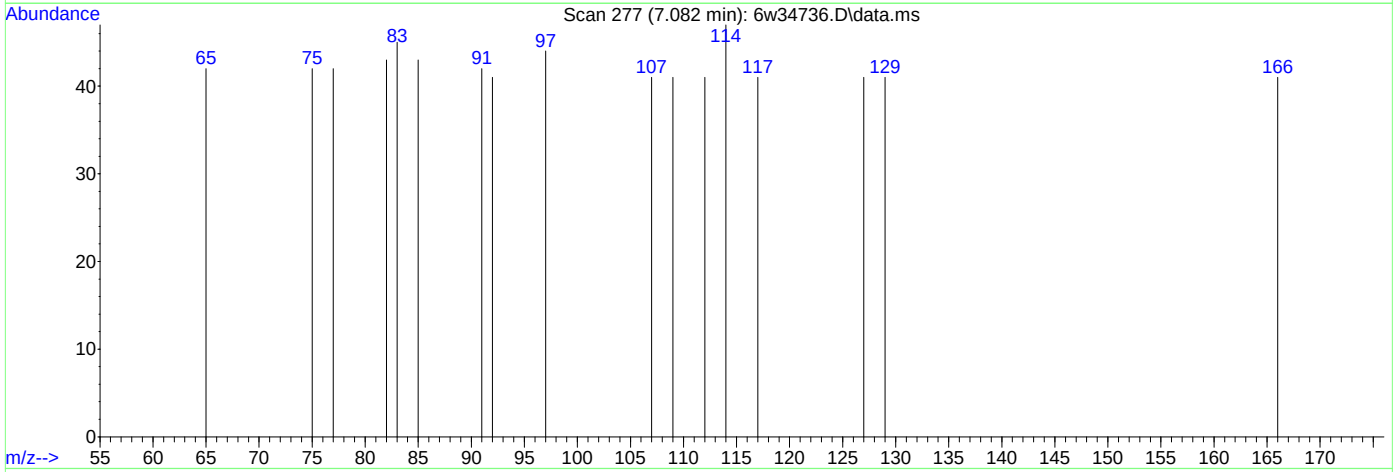
Ion	Exp%	Act%
83.00	100	100
85.00	71.50	93.75#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:58:36 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(21) 1,1,2-Trichloroethane (T)

7.082min (-0.001) 0.00ppb(v)

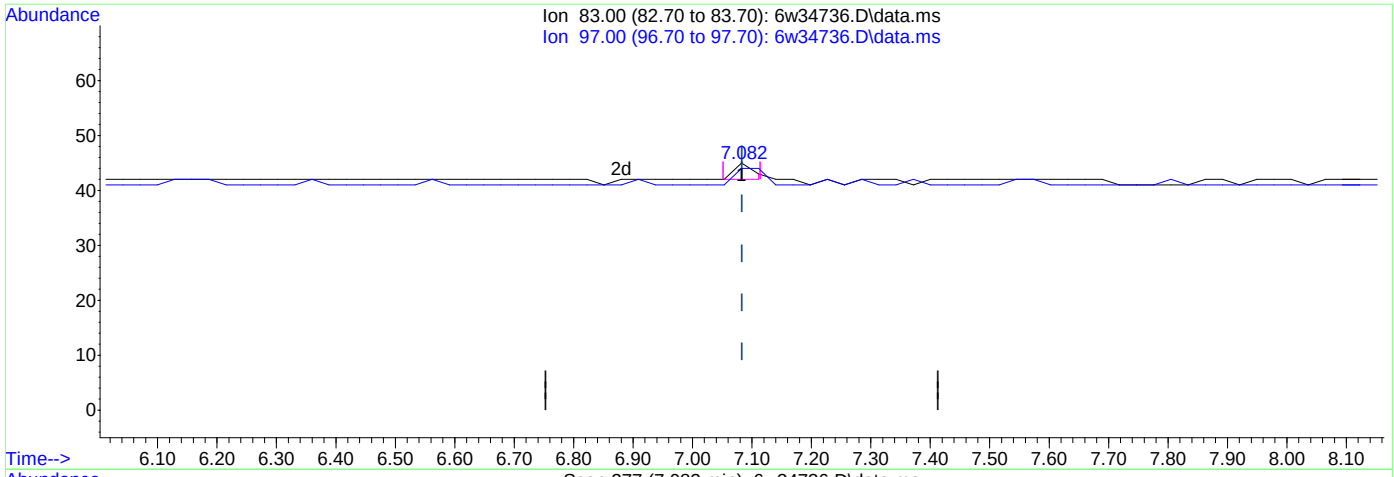
response 16

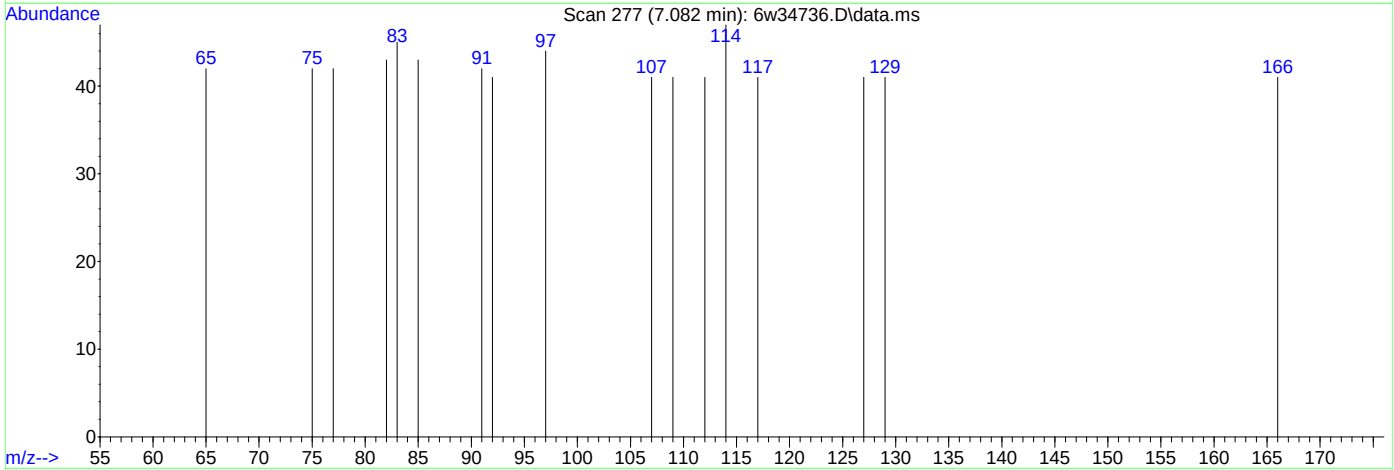
Ion	Exp%	Act%
83.00	100	100
97.00	89.40	97.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:58:36 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(21) 1,1,2-Trichloroethane (T)

7.082min (-0.001) 0.00ppb(v) m

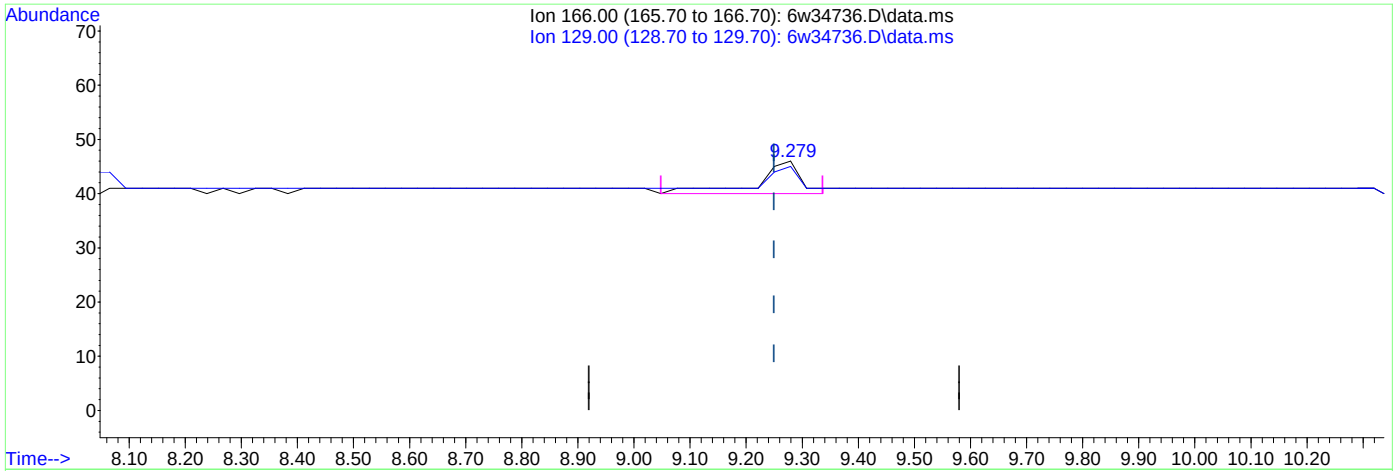
response 7

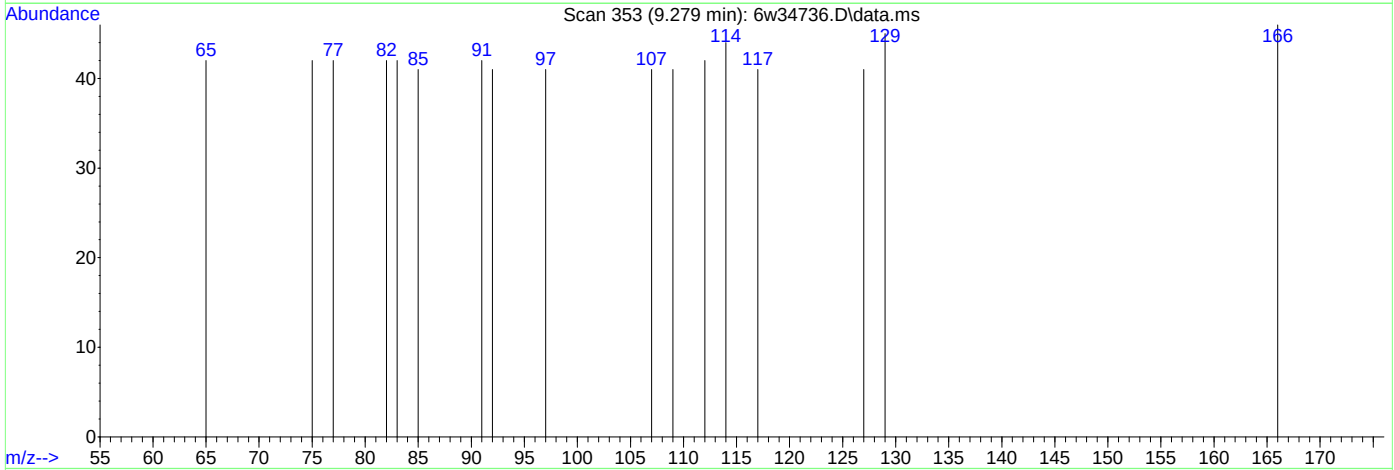
Ion	Exp%	Act%
83.00	100	100
97.00	89.40	97.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:58:36 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(23) Tetrachloroethene (T)

9.279min (+0.029) 0.00ppb(v)

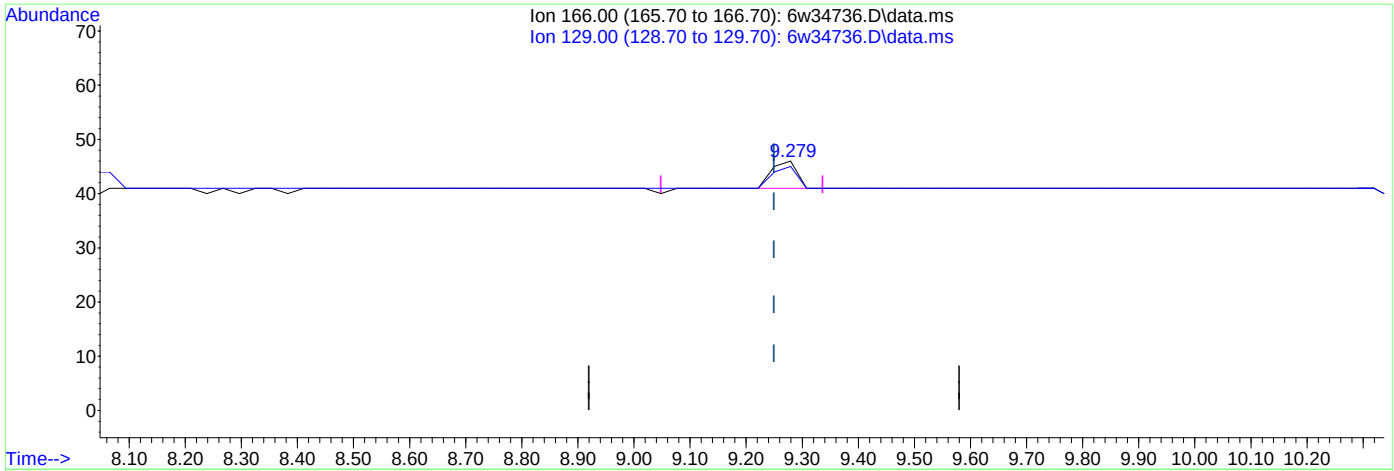
response 33

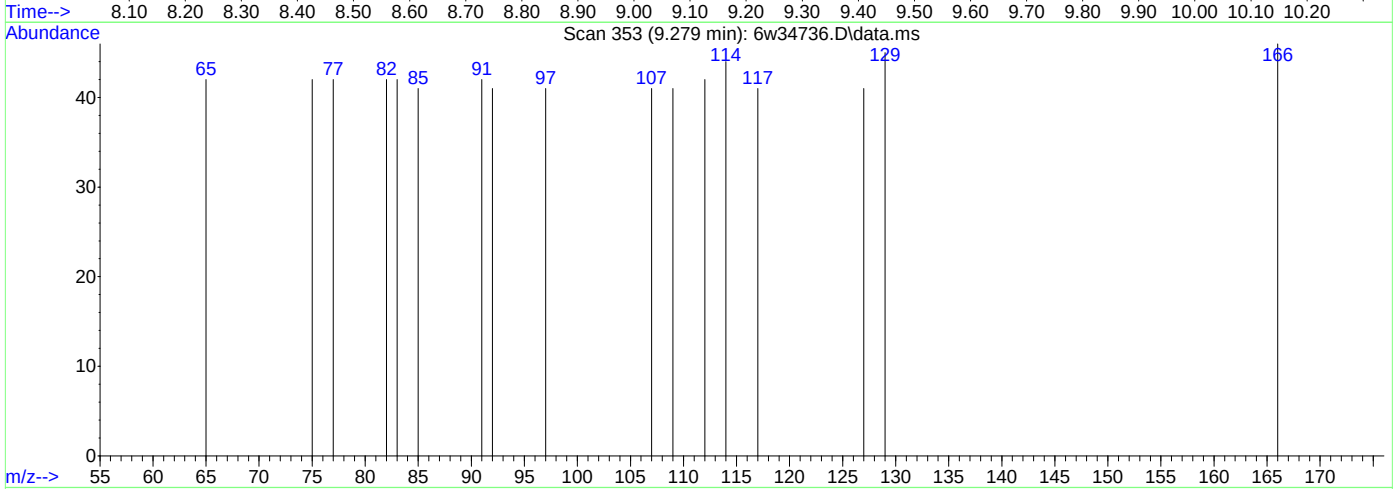
Ion	Exp%	Act%
166.00	100	100
129.00	81.70	97.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:58:36 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(23) Tetrachloroethene (T)

9.279min (+0.029) 0.00ppb(v) m

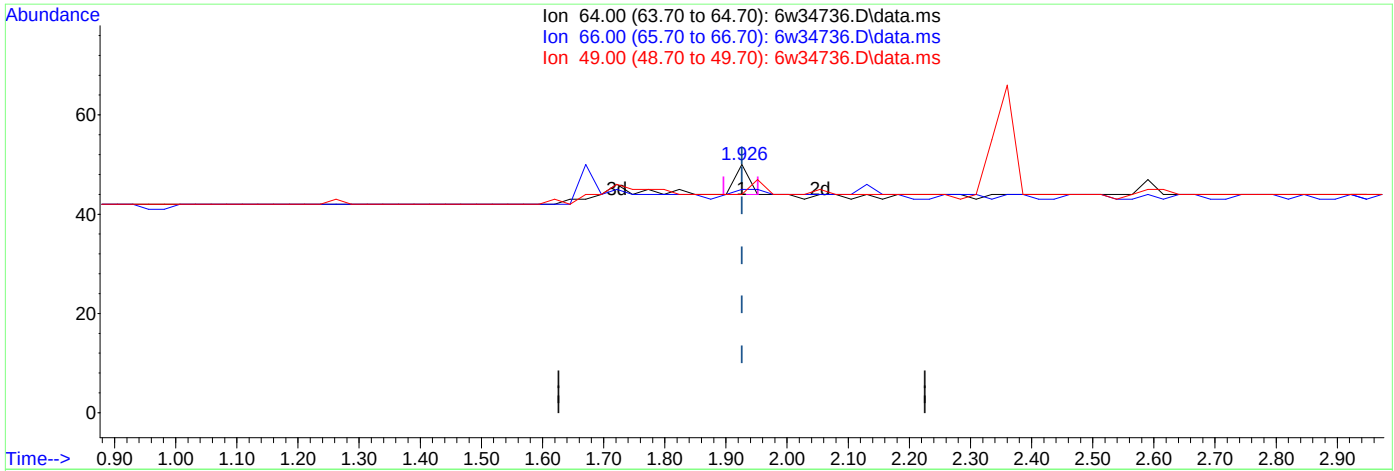
response 16

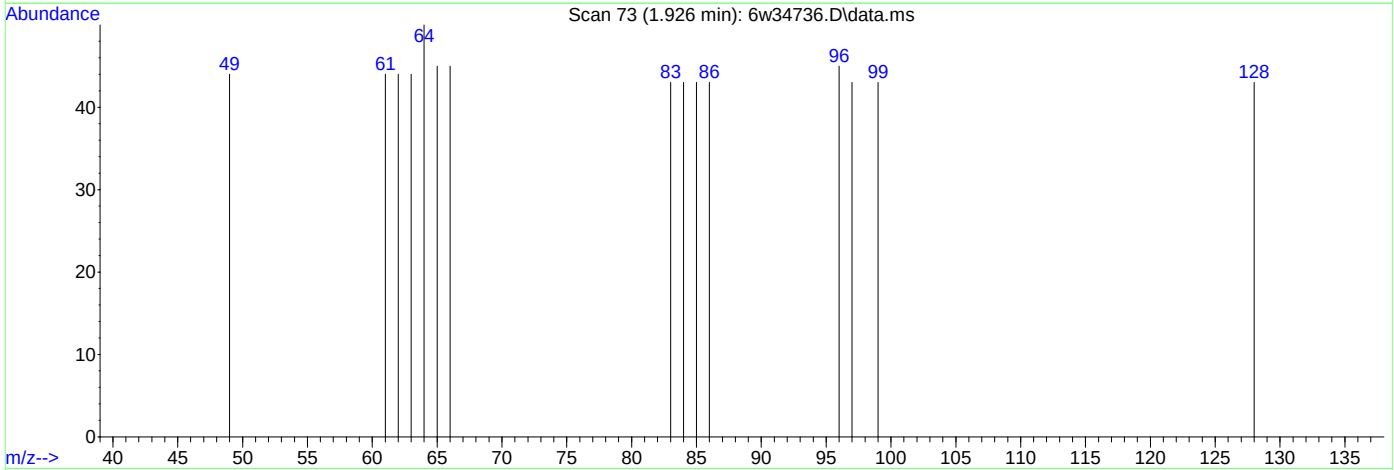
Ion	Exp%	Act%
166.00	100	100
129.00	81.70	97.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 12:16:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(4) Chloroethane (T)

1.926min (+0.000) 0.00ppb(v) m

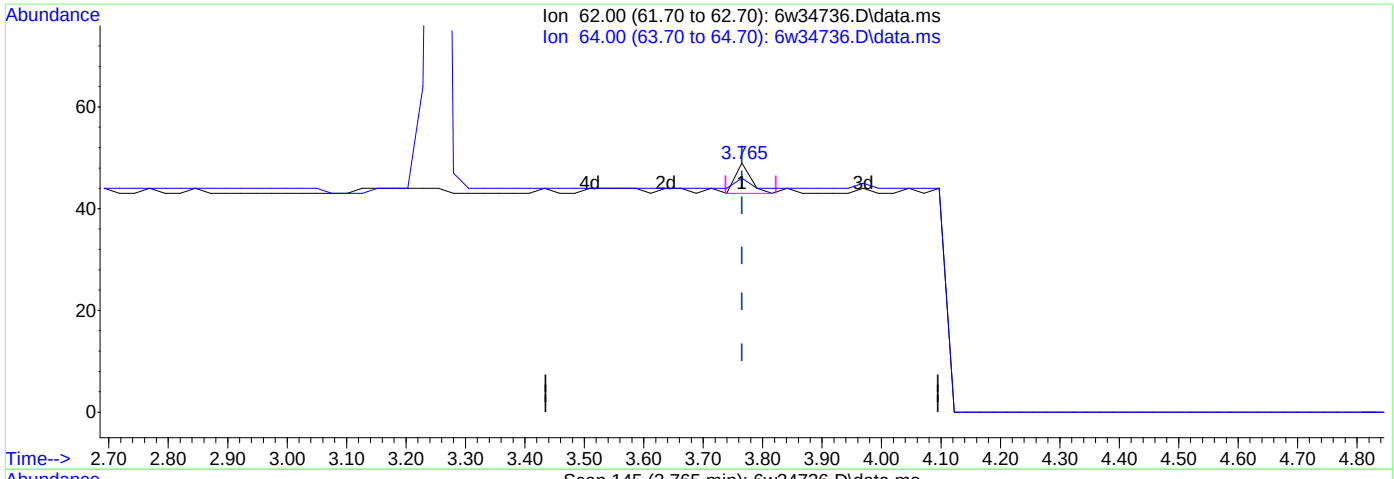
response 9

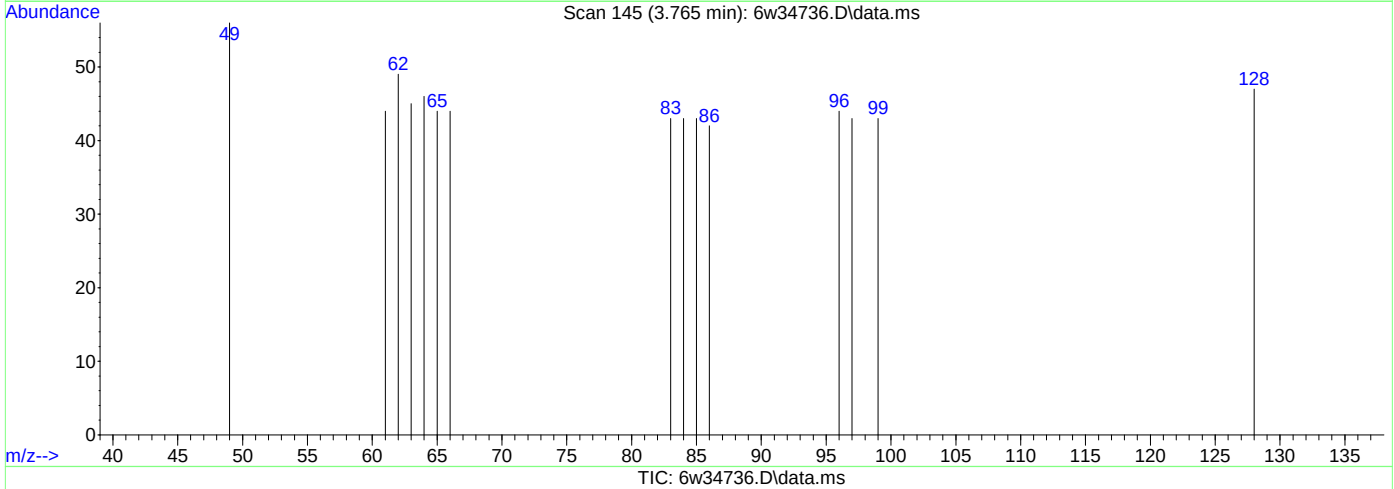
Ion	Exp%	Act%
64.00	100	100
66.00	34.60	90.00#
49.00	32.70	88.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34736.D
Acq On : 30 Jan 2025 6:31 am
Operator : benk
Sample : ic1441-0.002
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 12:16:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:45:54 2025
Response via : Initial Calibration





TIC: 6w34736.D\data.ms

(11) 1,2-Dichloroethane (T)

3.765min (-0.000) 0.00ppb(v) m

response 11

Ion	Exp%	Act%
62.00	100	100
64.00	34.90	93.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:45:28 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration

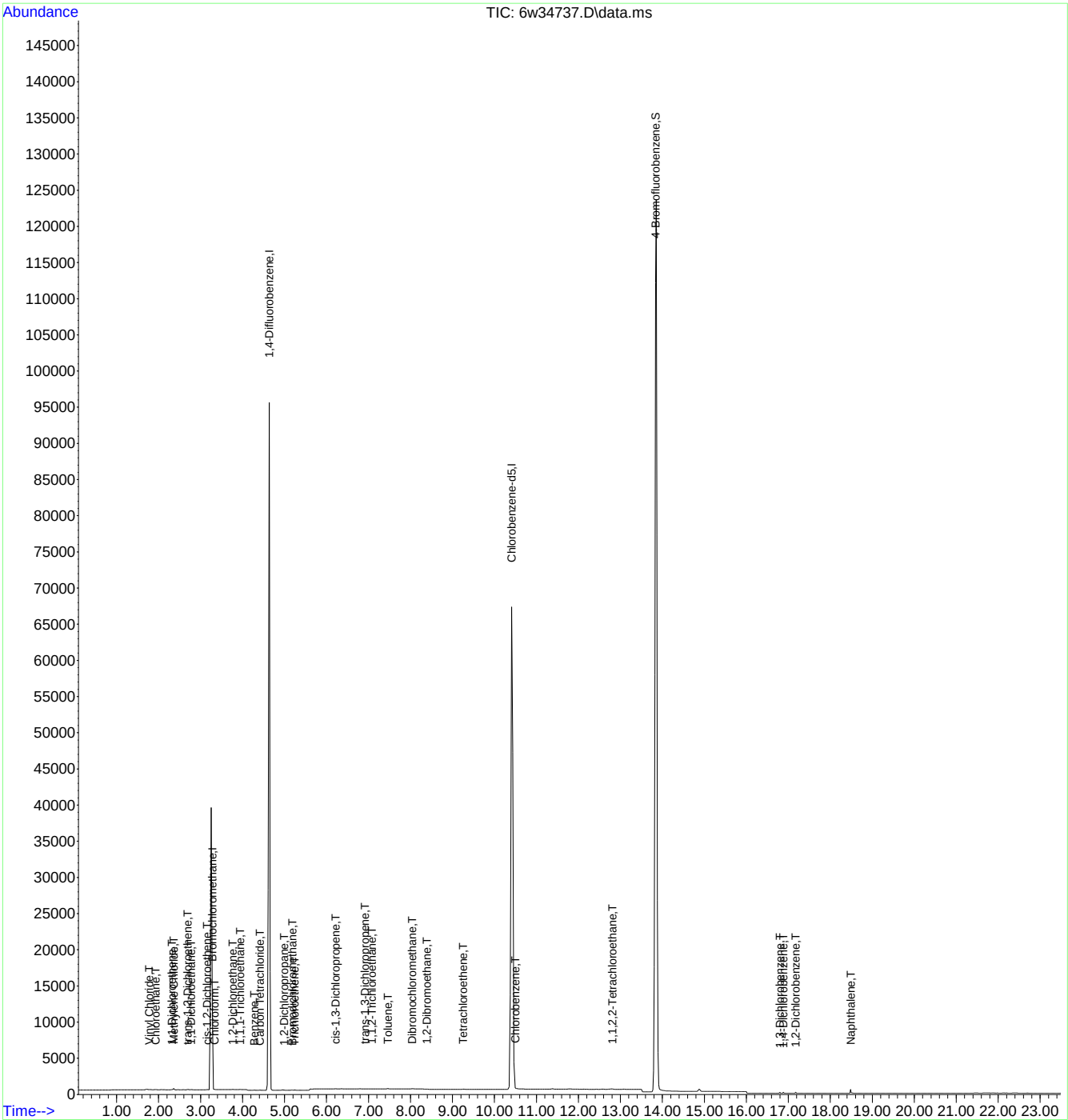
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27105	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	148139	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.407	82	71154	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.837	95	105176	9.99	ppb(v	-0.02
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.90%			
Target Compounds						Qvalue
2) Methylene Chloride	2.361	84	121	0.02	ppb(v	92
3) Vinyl Chloride	1.773	62	23	0.00	ppb(v#	1
4) Chloroethane	1.926	64	29	0.01	ppb(v#	12
5) 1,1-Dichloroethene	2.309	61	29	0.00	ppb(v#	1
6) trans-1,2-Dichloroethene	2.693	61	38	0.01	ppb(v#	10
7) 1,1-Dichloroethane	2.769	63	29	0.01	ppb(v#	6
8) cis-1,2-Dichloroethene	3.152	61	21	0.01	ppb(v#	61
9) Chloroform	3.331	83	41	0.01	ppb(v#	59
10) 1,1,1-Trichloroethane	3.944	97	28	0.01	ppb(v	90
11) 1,2-Dichloroethane	3.765	62	29	0.01	ppb(v#	25
12) Benzene	4.278	78	67	0.01	ppb(v#	33
13) Carbon Tetrachloride	4.411	117	28	0.00	ppb(v	96
15) Toluene	7.458	92	66	0.01	ppb(v#	63
16) Trichloroethene	5.232	95	33	0.01	ppb(v	77
17) 1,2-Dichloropropane	4.988	65	9m	0.01	ppb(v	
18) Bromodichloromethane	5.187	83	35	0.01	ppb(v	76
19) cis-1,3-Dichloropropene	6.216	75	23	0.01	ppb(v#	38
20) trans-1,3-Dichloropropene	6.909	75	21	0.01	ppb(v#	33
21) 1,1,2-Trichloroethane	7.083	83	23	0.01	ppb(v	91
22) Dibromochloromethane	8.036	129	38	0.01	ppb(v	88
23) Tetrachloroethene	9.250	166	45	0.01	ppb(v	86
24) 1,2-Dibromoethane	8.383	107	36	0.01	ppb(v	97
26) Chlorobenzene	10.493	112	73	0.01	ppb(v#	45
27) 1,1,2,2-Tetrachloroethane	12.805	83	55	0.01	ppb(v#	75
29) 1,3-Dichlorobenzene	16.800	146	98	0.01	ppb(v#	72
30) 1,4-Dichlorobenzene	16.884	146	104m	0.01	ppb(v	
31) 1,2-Dichlorobenzene	17.173	146	99	0.01	ppb(v	86
32) Naphthalene	18.484	128	568	0.02	ppb(v#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:45:28 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration



JE8598

Manual Integration Approval Summary

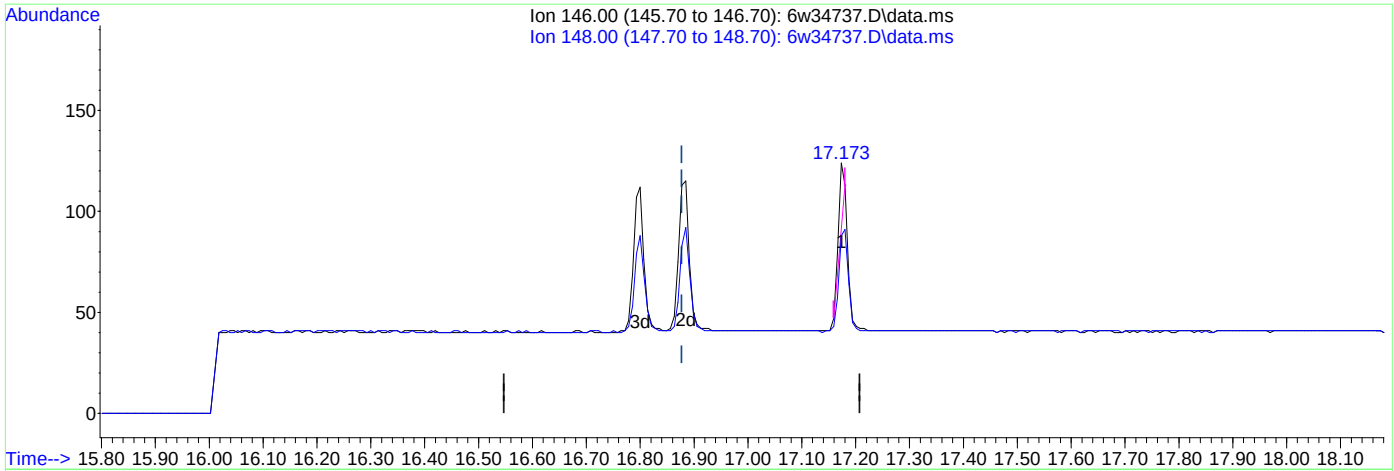
Sample Number: V6W1441-IC1441
Lab FileID: 6W34737.D
Injection Time: 01/30/25 07:08
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

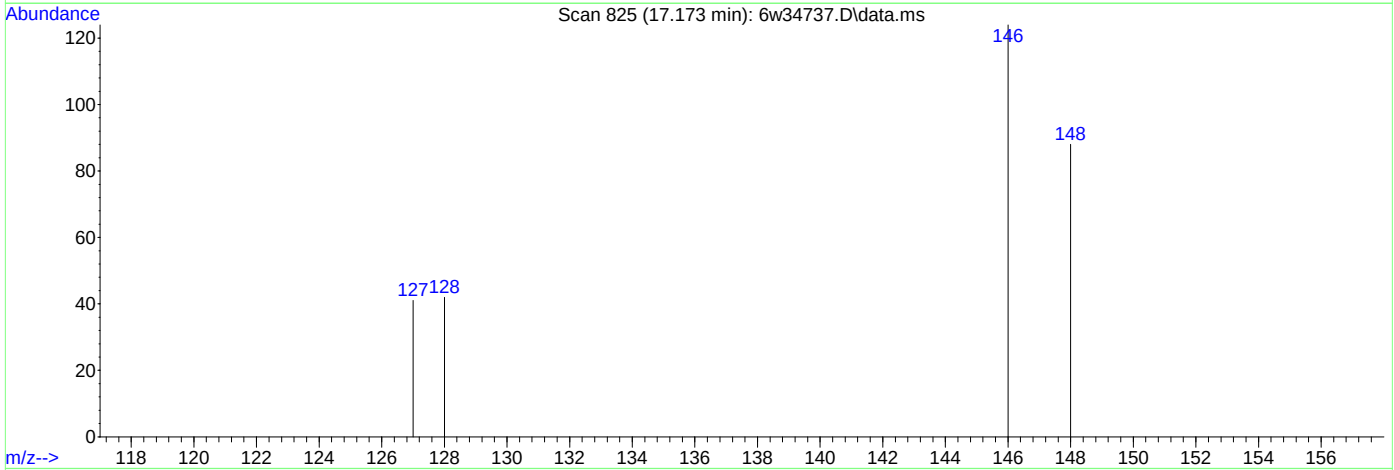
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dichloropropane	78-87-5		4.99	Overlapping peak
p-Dichlorobenzene	106-46-7		16.88	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:40:13 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration





TIC: 6w34737.D\data.ms

(30) 1,4-Dichlorobenzene (T)

17.173min (+0.296) 0.00ppb(v)

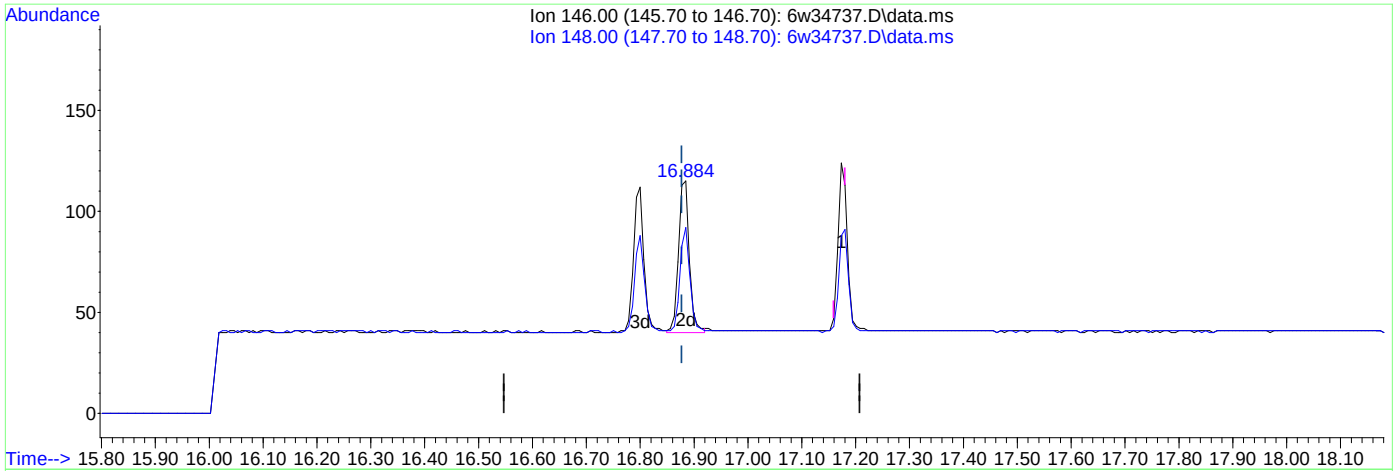
response 35

Ion	Exp%	Act%
146.00	100	100
148.00	58.80	70.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:40:13 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration





TIC: 6w34737.D\data.ms

(30) 1,4-Dichlorobenzene (T)

16.884min (+0.007) 0.01ppb(v) m

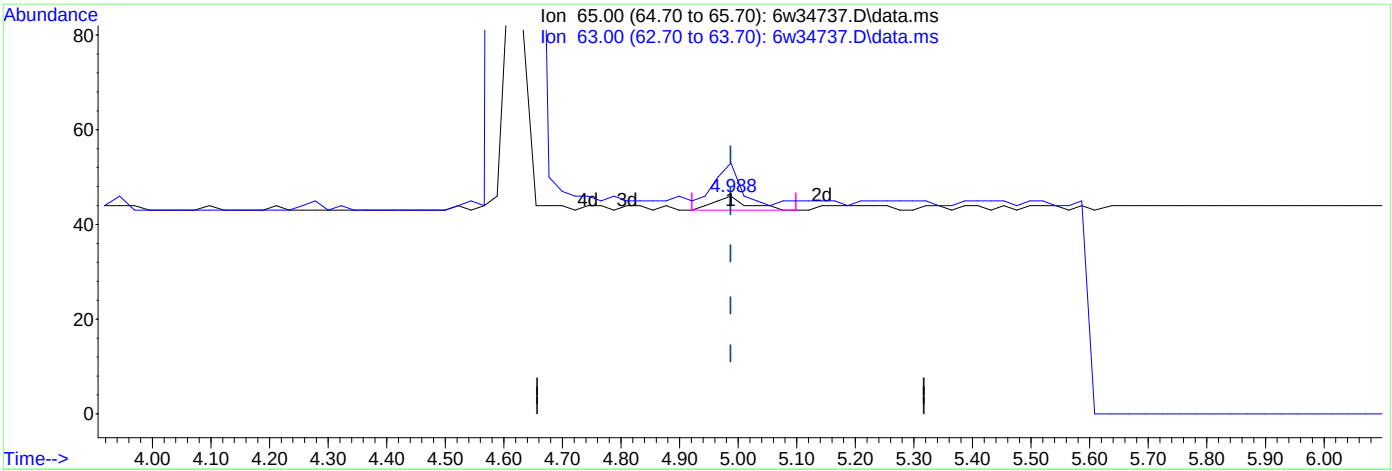
response 104

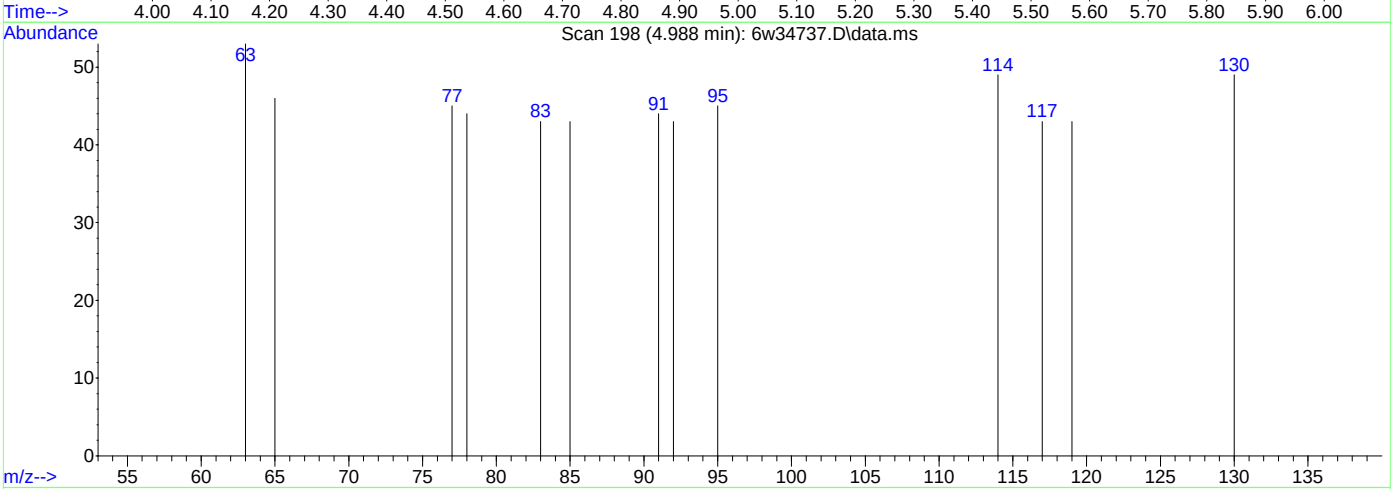
Ion	Exp%	Act%
146.00	100	100
148.00	58.80	80.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:41:35 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration





TIC: 6w34737.D\data.ms

(17) 1,2-Dichloropropane (T)

4.988min (+0.001) 0.01ppb(v)

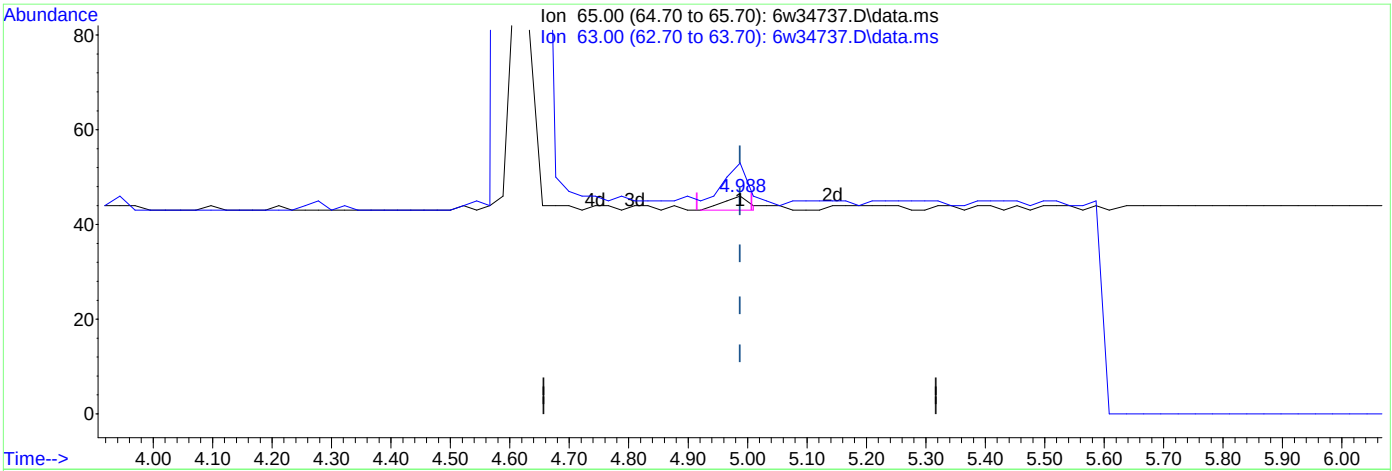
response 12

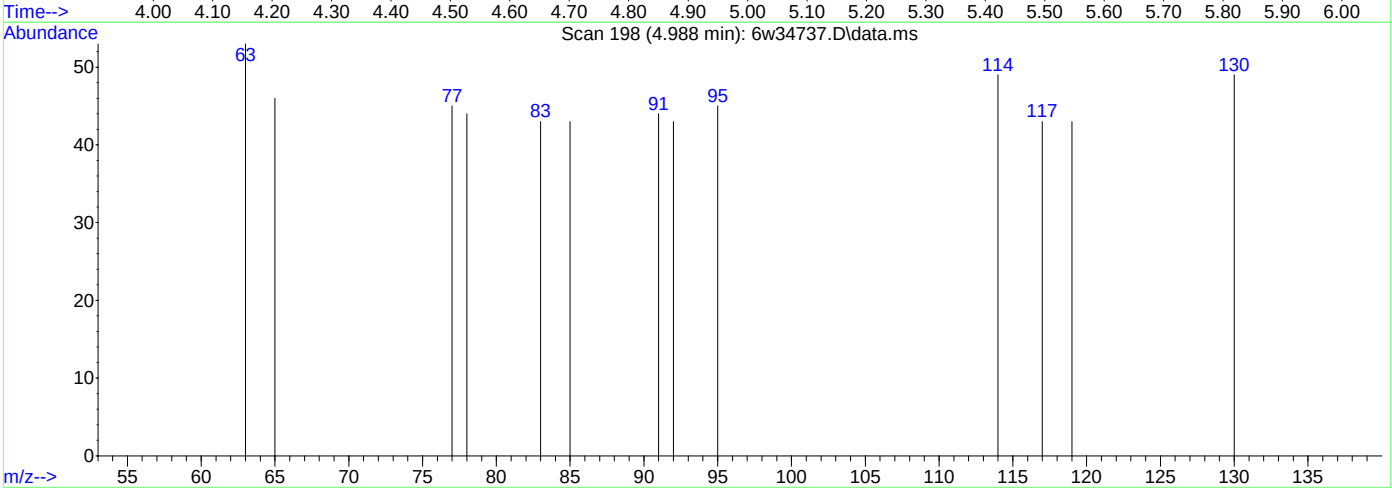
Ion	Exp%	Act%
65.00	100	100
63.00	230.00	115.22#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34737.D
Acq On : 30 Jan 2025 7:08 am
Operator : benk
Sample : ic1441-0.005
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:41:35 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:39:16 2025
Response via : Initial Calibration





TIC: 6w34737.D\data.ms

(17) 1,2-Dichloropropane (T)

4.988min (+0.001) 0.01ppb(v) m

response 9

Ion	Exp%	Act%
65.00	100	100
63.00	230.00	115.22#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/30/25 20:06

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34738.D
Acq On : 30 Jan 2025 7:46 am
Operator : benk
Sample : ic1441-0.01
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:38:07 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:05:22 2025
Response via : Initial Calibration

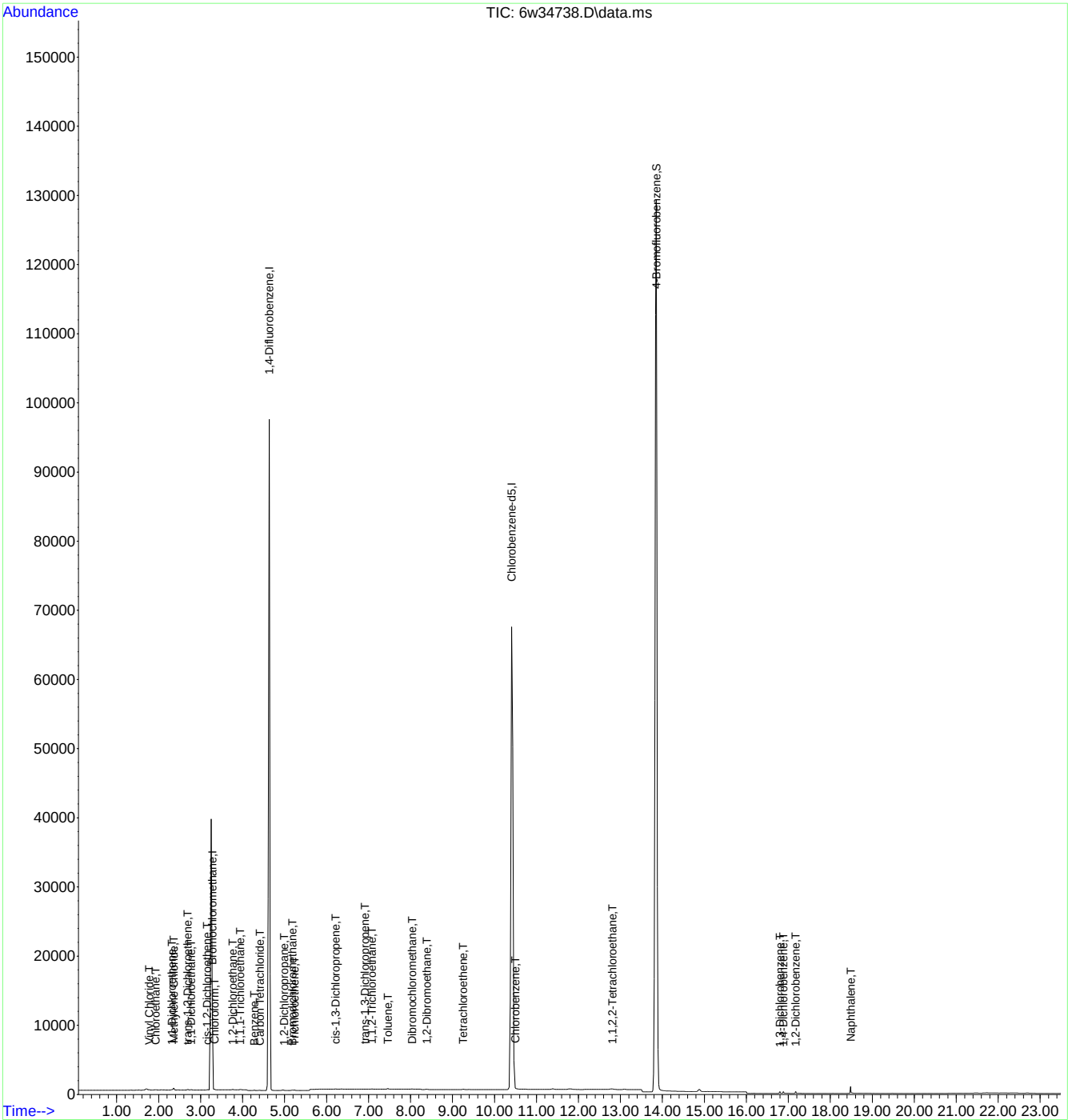
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27603	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	150865	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	72832	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	108617	10.09	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery =	100.90%		
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	210	0.05	ppb(v	88
3) Vinyl Chloride	1.773	62	51	0.01	ppb(v#	17
4) Chloroethane	1.926	64	48	0.01	ppb(v#	35
5) 1,1-Dichloroethene	2.309	61	66	0.01	ppb(v#	1
6) trans-1,2-Dichloroethene	2.692	61	78	0.01	ppb(v#	38
7) 1,1-Dichloroethane	2.769	63	78	0.01	ppb(v#	30
8) cis-1,2-Dichloroethene	3.152	61	41	0.01	ppb(v#	57
9) Chloroform	3.331	83	74m	0.01	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	55	0.01	ppb(v	95
11) 1,2-Dichloroethane	3.765	62	66	0.01	ppb(v#	41
12) Benzene	4.278	78	117	0.01	ppb(v#	53
13) Carbon Tetrachloride	4.411	117	63	0.01	ppb(v	100
15) Toluene	7.458	92	109	0.02	ppb(v#	74
16) Trichloroethene	5.231	95	51	0.01	ppb(v	78
17) 1,2-Dichloropropane	4.987	65	13	0.01	ppb(v#	39
18) Bromodichloromethane	5.187	83	73	0.01	ppb(v	82
19) cis-1,3-Dichloropropene	6.215	75	43	0.01	ppb(v#	49
20) trans-1,3-Dichloropropene	6.909	75	42	0.01	ppb(v#	43
21) 1,1,2-Trichloroethane	7.082	83	42	0.01	ppb(v	93
22) Dibromochloromethane	8.036	129	71	0.01	ppb(v	92
23) Tetrachloroethene	9.250	166	88	0.01	ppb(v	92
24) 1,2-Dibromoethane	8.383	107	68	0.01	ppb(v	95
26) Chlorobenzene	10.493	112	154	0.01	ppb(v#	65
27) 1,1,2,2-Tetrachloroethane	12.805	83	114	0.01	ppb(v	81
29) 1,3-Dichlorobenzene	16.800	146	182	0.01	ppb(v	78
30) 1,4-Dichlorobenzene	16.884	146	197	0.02	ppb(v	77
31) 1,2-Dichlorobenzene	17.173	146	194	0.02	ppb(v	94
32) Naphthalene	18.483	128	990	0.05	ppb(v	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34738.D
Acq On : 30 Jan 2025 7:46 am
Operator : benk
Sample : ic1441-0.01
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:38:07 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:05:22 2025
Response via : Initial Calibration



Manual Integration Approval Summary

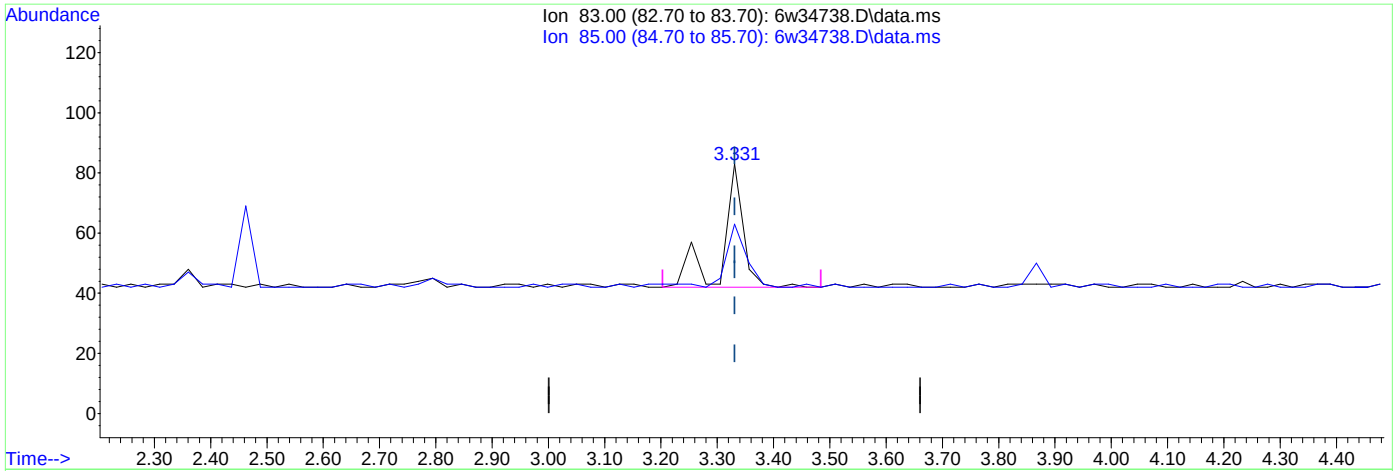
Sample Number: V6W1441-IC1441
Lab FileID: 6W34738.D
Injection Time: 01/30/25 07:46
Method: TO-15 (BY SIM)
Analyst approved: 01/30/25 18:03 Benjamin Kim
Supervisor approved: 01/30/25 20:06 Kanya Veerawat

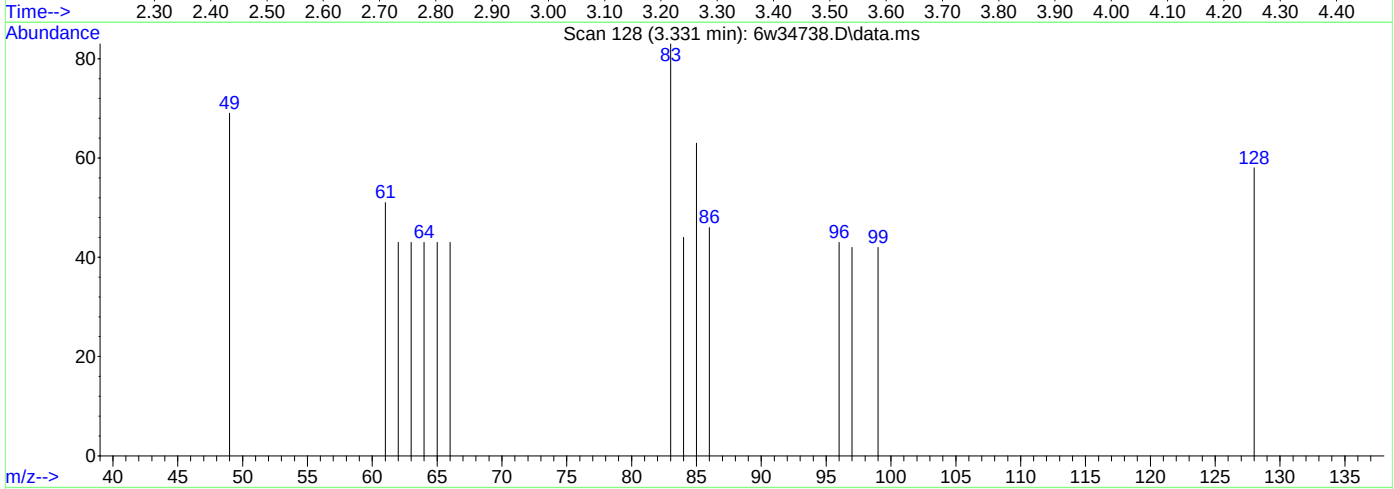
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34738.D
Acq On : 30 Jan 2025 7:46 am
Operator : benk
Sample : ic1441-0.01
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:37:39 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:05:22 2025
Response via : Initial Calibration





TIC: 6w34738.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.02ppb(v)

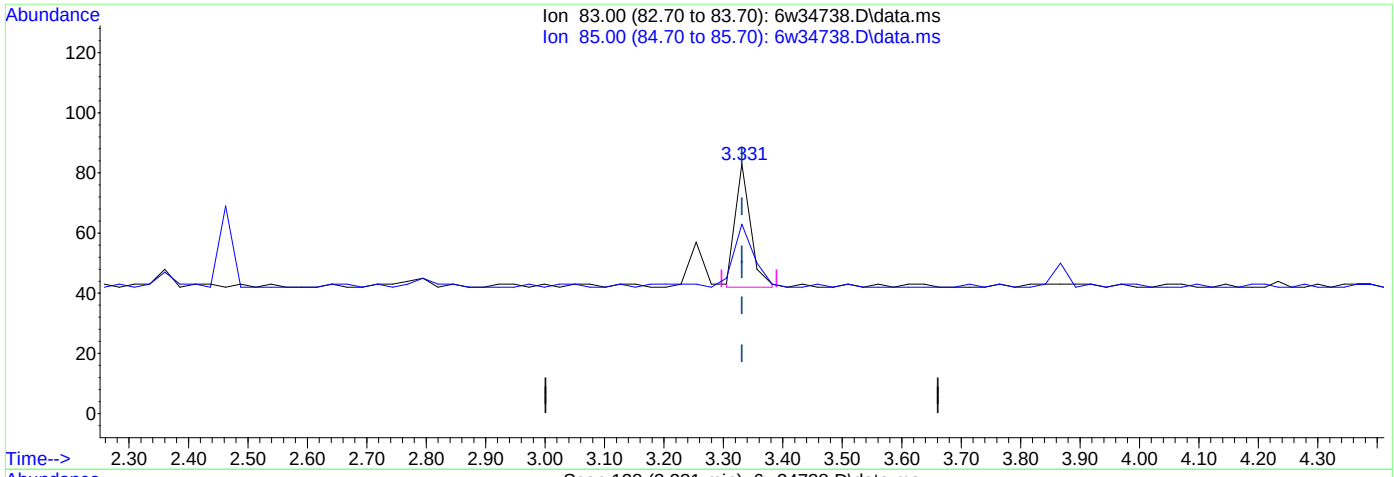
response 103

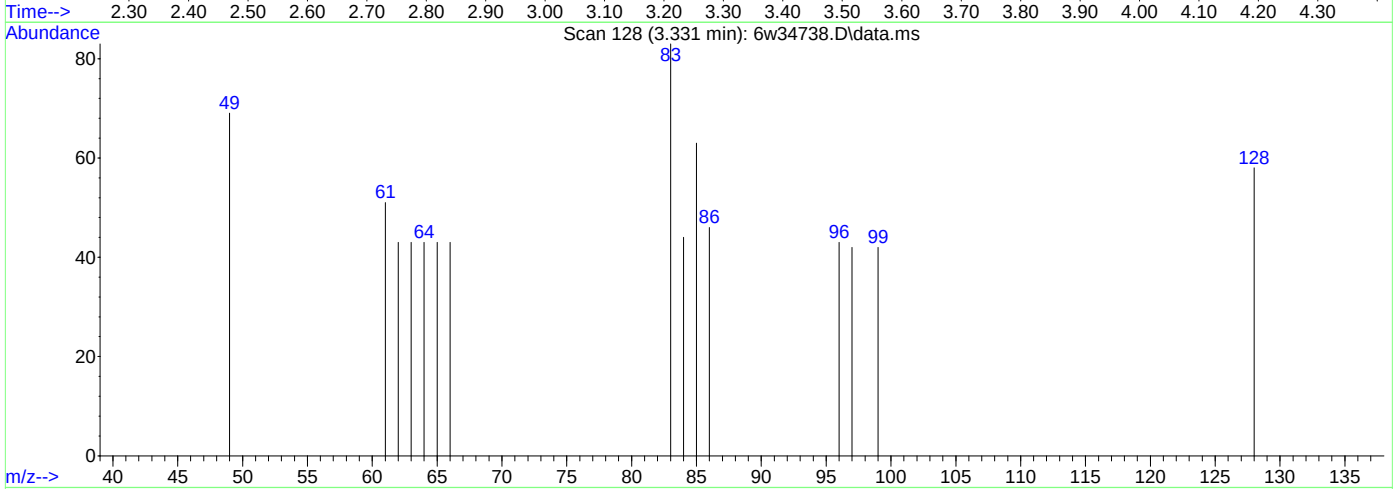
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	75.90#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34738.D
Acq On : 30 Jan 2025 7:46 am
Operator : benk
Sample : ic1441-0.01
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 11:37:39 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 11:05:22 2025
Response via : Initial Calibration





TIC: 6w34738.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.01ppb(v) m

response 74

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	75.90#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/17/25 14:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34746.D
Acq On : 30 Jan 2025 2:42 pm
Operator : benk
Sample : icv1441-0.1
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 14:20:08 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	27388	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	146662	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	71083	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	106796	10.20	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.00%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	420	0.11	ppb(v	95
3) Vinyl Chloride	1.773	62	443	0.09	ppb(v	100
4) Chloroethane	1.926	64	328	0.09	ppb(v	98
5) 1,1-Dichloroethene	2.309	61	555	0.09	ppb(v	98
6) trans-1,2-Dichloroethene	2.692	61	781	0.11	ppb(v	99
7) 1,1-Dichloroethane	2.769	63	552	0.09	ppb(v	99
8) cis-1,2-Dichloroethene	3.178	61	440	0.10	ppb(v	99
9) Chloroform	3.331	83	675m	0.10	ppb(v	
10) 1,1,1-Trichloroethane	3.969	97	581	0.11	ppb(v	99
11) 1,2-Dichloroethane	3.765	62	585	0.11	ppb(v	100
12) Benzene	4.278	78	962	0.10	ppb(v	99
13) Carbon Tetrachloride	4.411	117	647	0.11	ppb(v	99
15) Toluene	7.458	92	668	0.10	ppb(v	99
16) Trichloroethene	5.231	95	471	0.10	ppb(v	97
17) 1,2-Dichloropropane	4.987	65	108	0.09	ppb(v	99
18) Bromodichloromethane	5.187	83	716	0.11	ppb(v	100
19) cis-1,3-Dichloropropene	6.215	75	440	0.10	ppb(v	99
20) trans-1,3-Dichloropropene	6.909	75	383	0.10	ppb(v	98
21) 1,1,2-Trichloroethane	7.082	83	340	0.10	ppb(v	97
22) Dibromochloromethane	8.036	129	721	0.11	ppb(v	99
23) Tetrachloroethene	9.250	166	793	0.11	ppb(v	99
24) 1,2-Dibromoethane	8.383	107	723	0.11	ppb(v	99
26) Chlorobenzene	10.493	112	1190	0.10	ppb(v	99
27) 1,1,2,2-Tetrachloroethane	12.805	83	1056	0.11	ppb(v	100
29) 1,3-Dichlorobenzene	16.800	146	1285	0.10	ppb(v	82
30) 1,4-Dichlorobenzene	16.877	146	1314	0.10	ppb(v	97
31) 1,2-Dichlorobenzene	17.173	146	1284	0.10	ppb(v	97
32) Naphthalene	18.483	128	2876	0.14	ppb(v	99

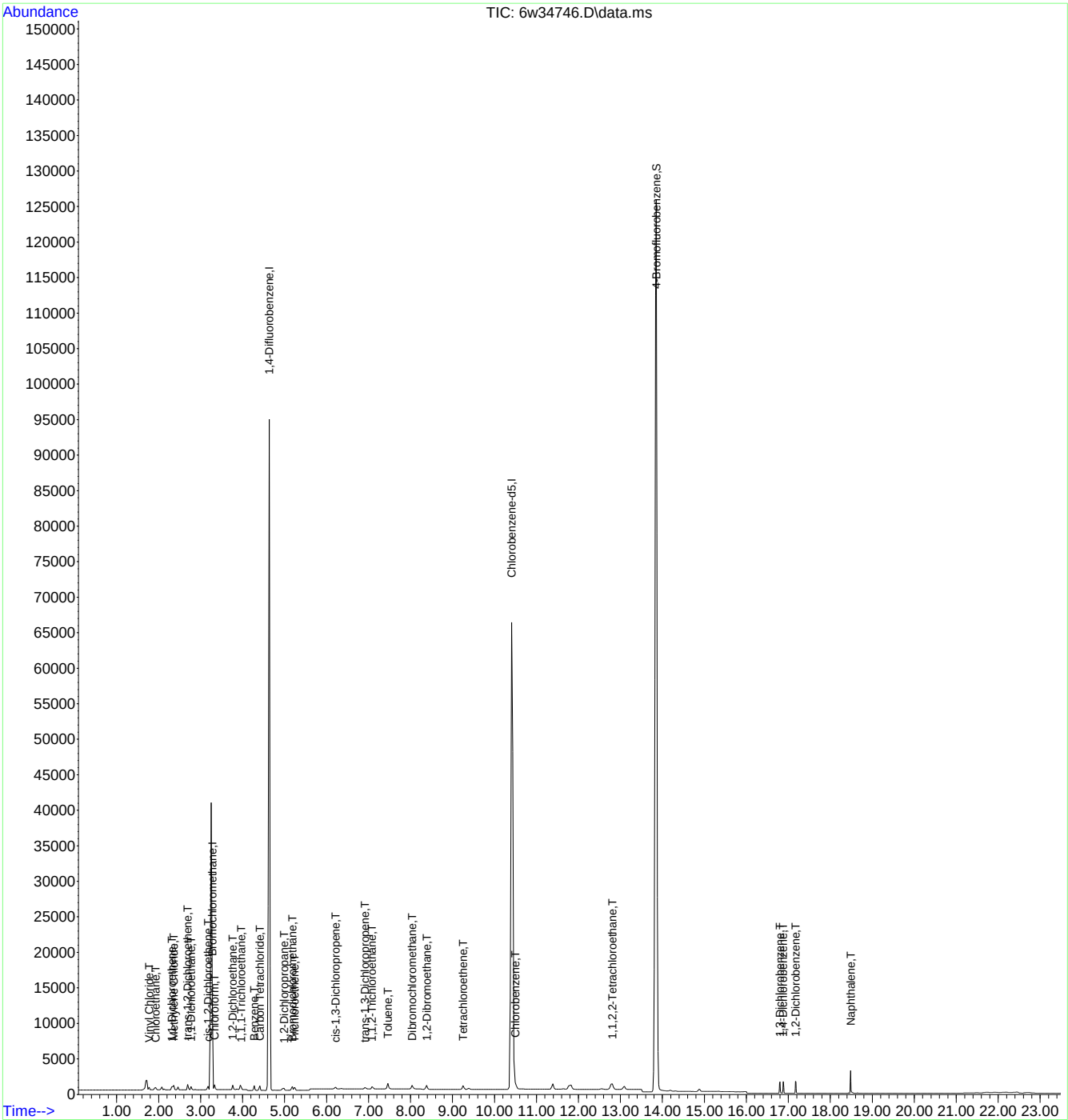
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.22
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34746.D
Acq On : 30 Jan 2025 2:42 pm
Operator : benk
Sample : icv1441-0.1
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 14:20:08 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

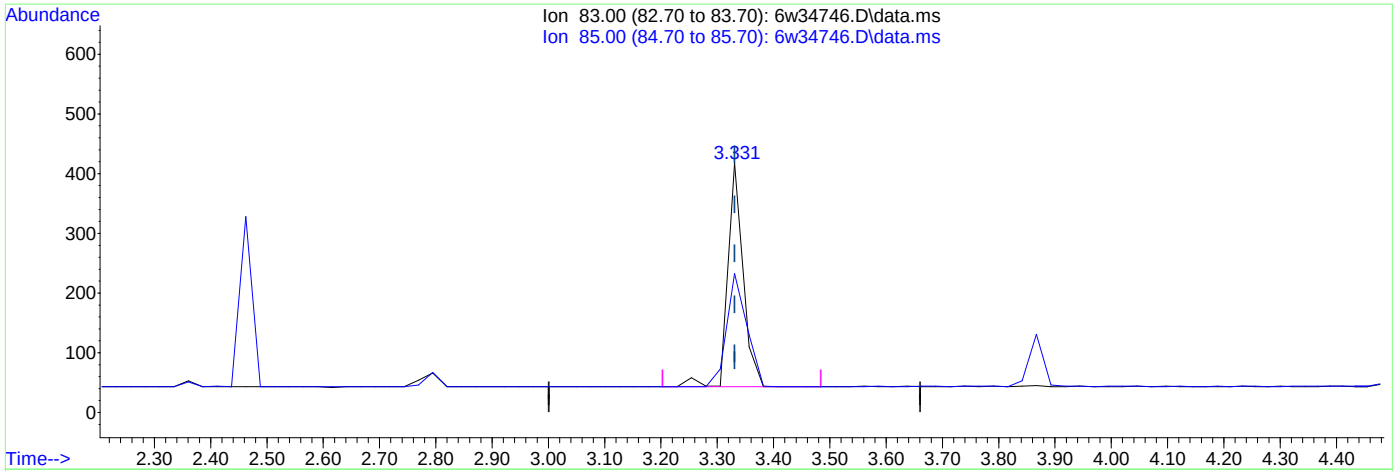
Sample Number: V6W1441-ICV1441
Lab FileID: 6W34746.D
Injection Time: 01/30/25 14:42
Method: TO-15 (BY SIM)
Analyst approved: 02/17/25 14:34 Benjamin Kim
Supervisor approved: 02/17/25 14:52 Kanya Veerawat

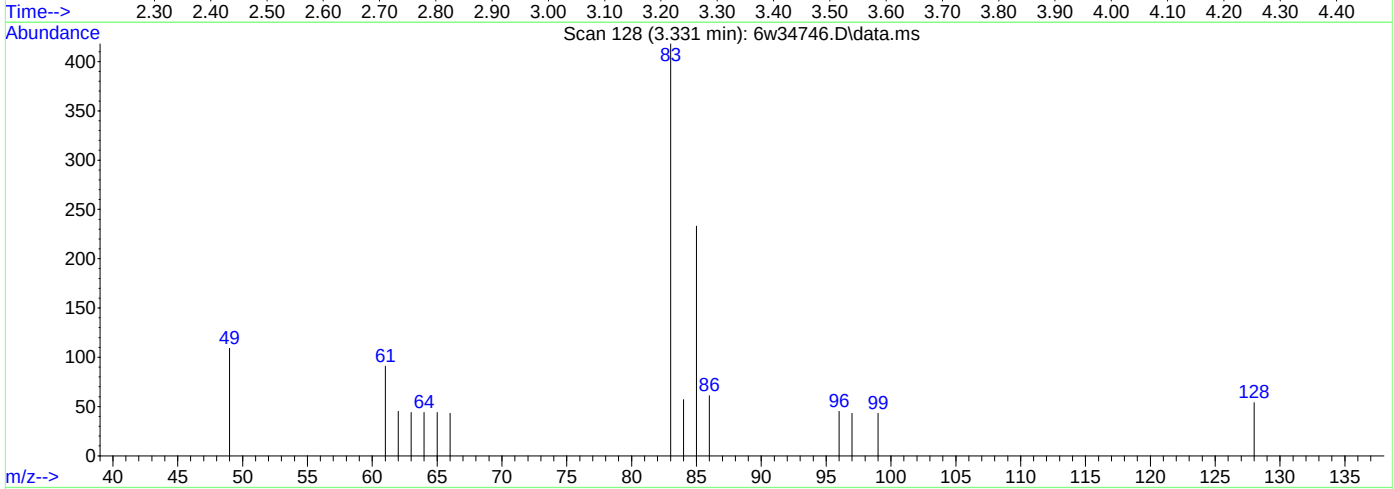
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34746.D
Acq On : 30 Jan 2025 2:42 pm
Operator : benk
Sample : icv1441-0.1
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 14:19:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration





TIC: 6w34746.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v)

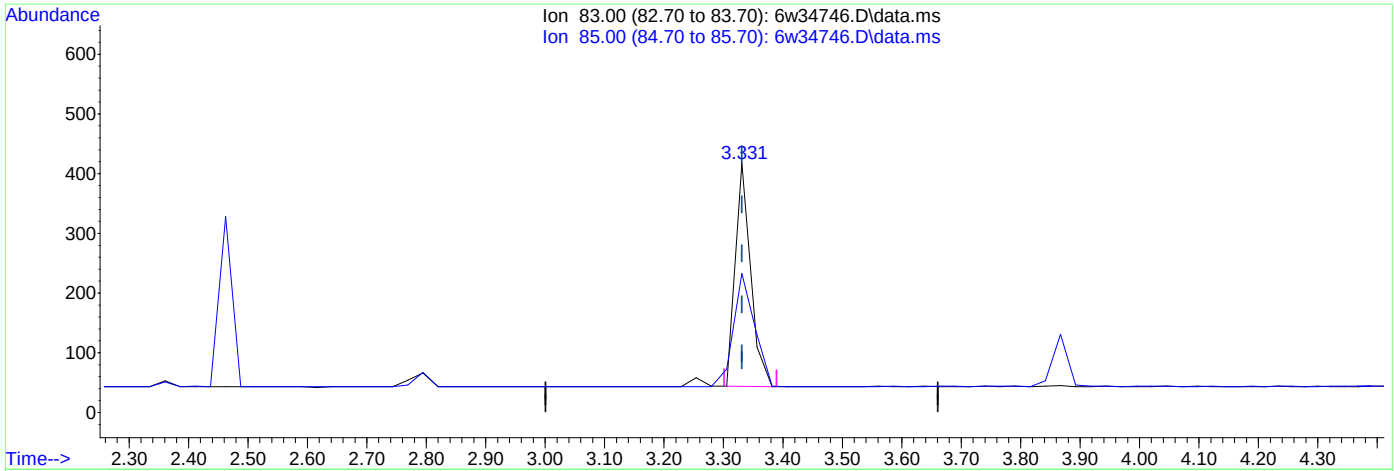
response 703

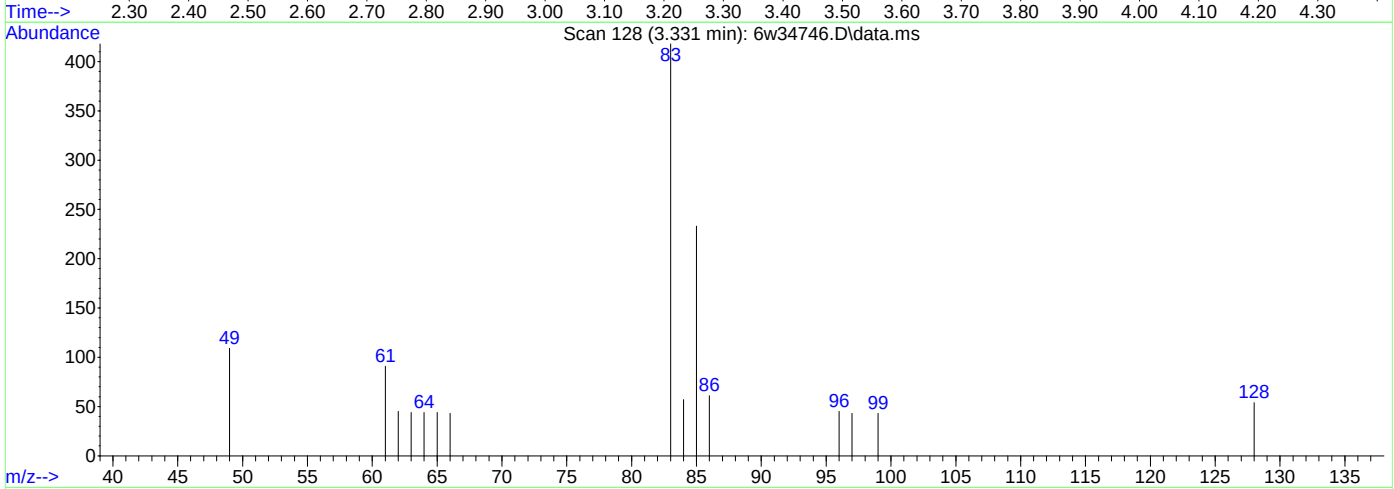
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34746.D
Acq On : 30 Jan 2025 2:42 pm
Operator : benk
Sample : icv1441-0.1
Misc : MS80372,v6w1441,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 14:19:41 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration





TIC: 6w34746.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v) m

response 675

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/27/25 01:34

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34748.D
Acq On : 30 Jan 2025 4:50 pm
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:59:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

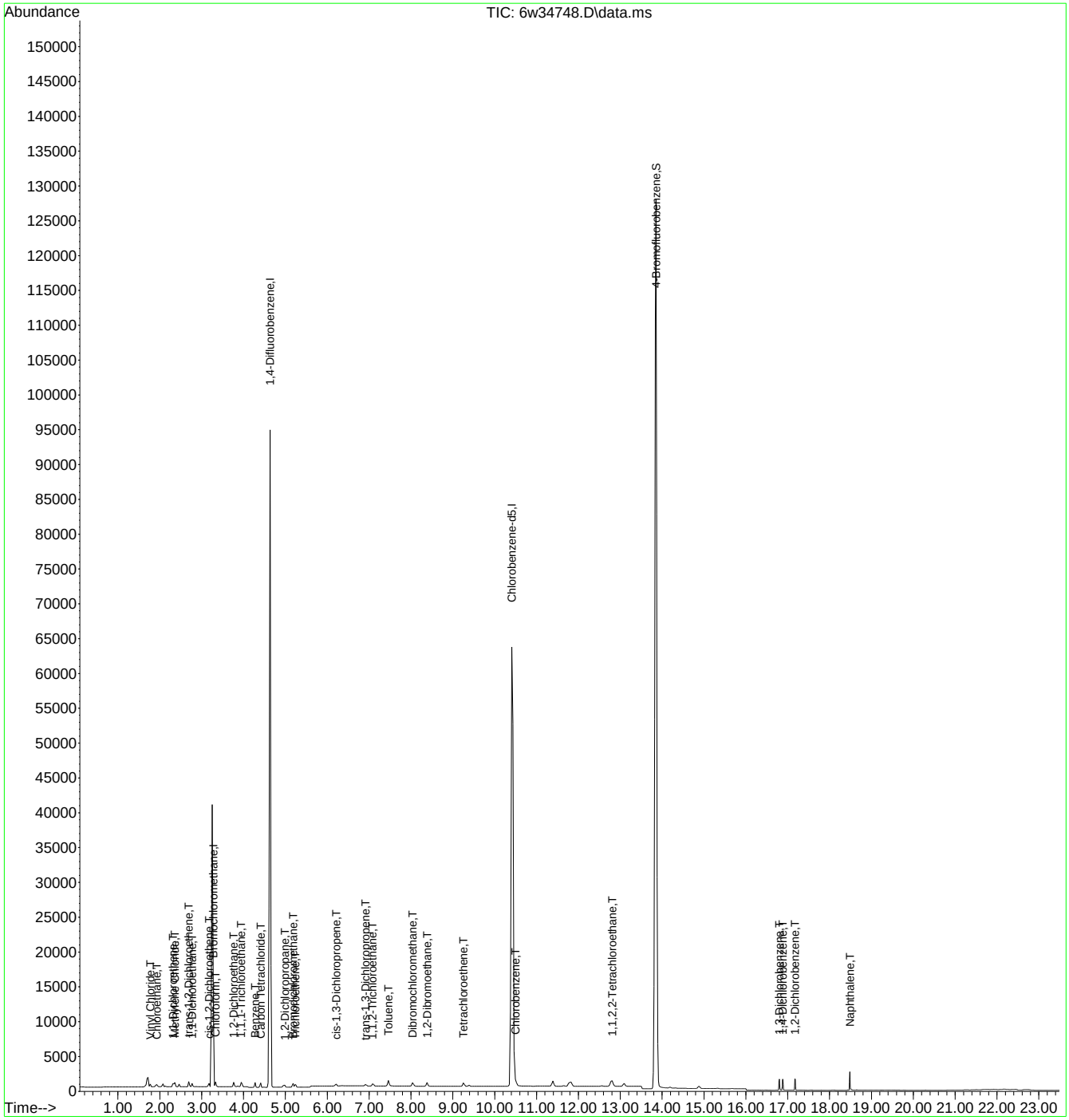
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	26953	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	146046	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	71660	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	106806	10.12	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.20%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	416	0.1113	ppb(v	97
3) Vinyl Chloride	1.773	62	469	0.0931	ppb(v	100
4) Chloroethane	1.926	64	334	0.0907	ppb(v	99
5) 1,1-Dichloroethene	2.309	61	570	0.0952	ppb(v	99
6) trans-1,2-Dichloroethene	2.692	61	775	0.1094	ppb(v	99
7) 1,1-Dichloroethane	2.769	63	556	0.0968	ppb(v	99
8) cis-1,2-Dichloroethene	3.177	61	440	0.1059	ppb(v	100
9) Chloroform	3.331	83	680m	0.1028	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	576	0.1089	ppb(v	79
11) 1,2-Dichloroethane	3.765	62	582	0.1108	ppb(v	99
12) Benzene	4.278	78	946	0.1047	ppb(v	100
13) Carbon Tetrachloride	4.411	117	640	0.1148	ppb(v	99
15) Toluene	7.458	92	664	0.0970	ppb(v	99
16) Trichloroethene	5.231	95	456	0.0936	ppb(v	96
17) 1,2-Dichloropropane	4.987	65	122	0.1045	ppb(v	100
18) Bromodichloromethane	5.187	83	705	0.1056	ppb(v	99
19) cis-1,3-Dichloropropene	6.215	75	435	0.1040	ppb(v	100
20) trans-1,3-Dichloropropene	6.909	75	378	0.0987	ppb(v	100
21) 1,1,2-Trichloroethane	7.082	83	342	0.0992	ppb(v	97
22) Dibromochloromethane	8.036	129	777	0.1160	ppb(v	99
23) Tetrachloroethene	9.250	166	787	0.1054	ppb(v	99
24) 1,2-Dibromoethane	8.383	107	718	0.1120	ppb(v	98
26) Chlorobenzene	10.493	112	1167	0.1002	ppb(v	96
27) 1,1,2,2-Tetrachloroethane	12.805	83	1046	0.1077	ppb(v	100
29) 1,3-Dichlorobenzene	16.799	146	1241	0.0940	ppb(v	81
30) 1,4-Dichlorobenzene	16.884	146	1262	0.0972	ppb(v	86
31) 1,2-Dichlorobenzene	17.173	146	1224	0.0959	ppb(v	96
32) Naphthalene	18.483	128	2391	0.1134	ppb(v	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\27 Feb 2025\v6w1442\
Data File : 6w34748.D
Acq On : 30 Jan 2025 4:50 pm
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 02:59:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

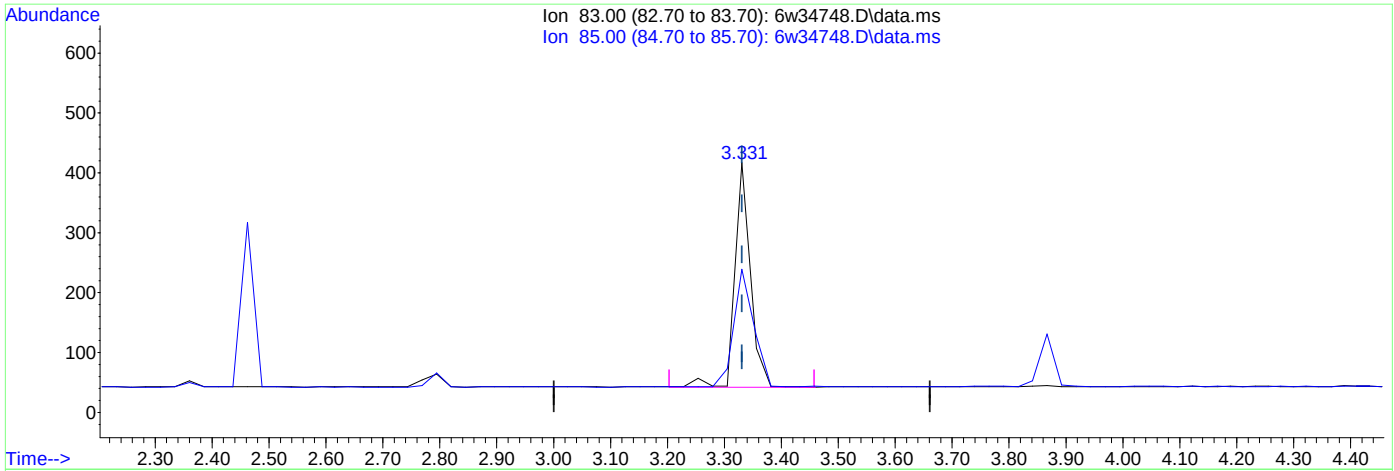
Sample Number: V6W1442-CC1441
Lab FileID: 6W34748.D
Injection Time: 01/30/25 16:50
Method: TO-15 (BY SIM)
Analyst approved: 02/26/25 23:52 Lucky Carandang
Supervisor approved: 02/27/25 01:34 Kanya Veerawat

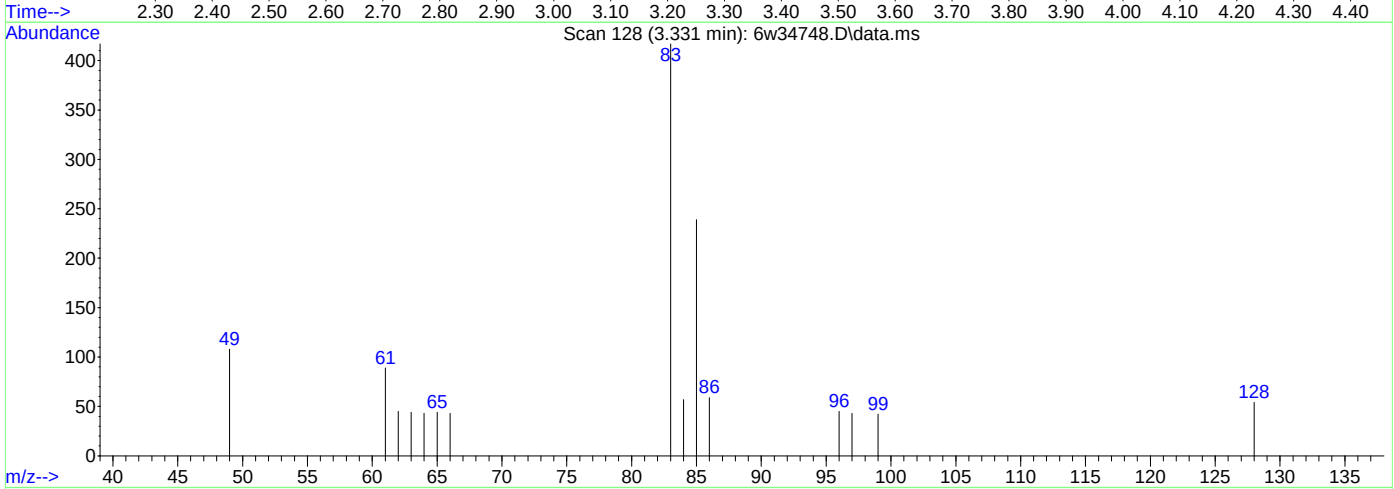
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34748.D
Acq On : 30 Jan 2025 4:50 pm
Operator : benk
Sample : cc1441-1.0
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:17:04 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34748.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v)

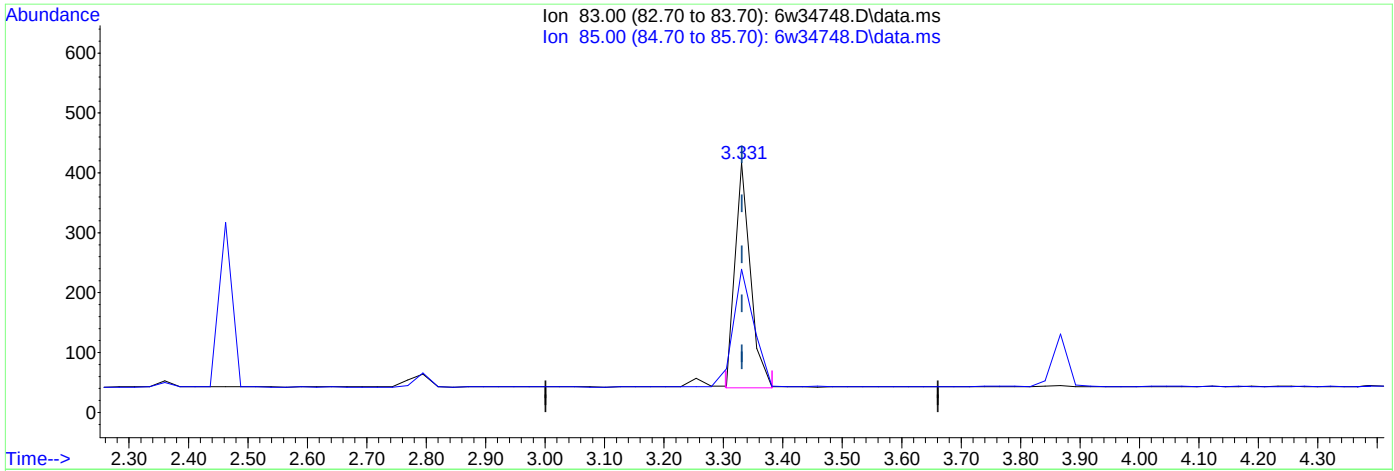
response 710

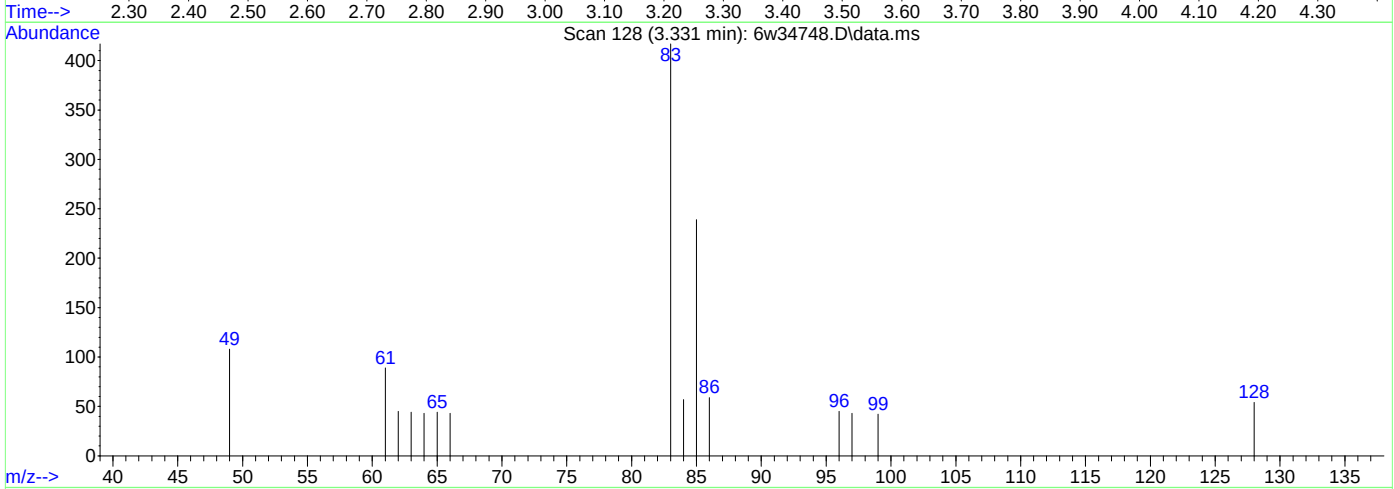
Ion	Exp%	Act%
83.00	100	100
85.00	60.00	57.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 6w34748.D
Acq On : 30 Jan 2025 4:50 pm
Operator : benk
Sample : cc1441-1.0
Misc : MS80372,v6w1442,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 12:17:04 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Thu Jan 30 20:24:25 2025
Response via : Initial Calibration





TIC: 6w34748.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.10ppb(v) m

response 680

Ion	Exp%	Act%
83.00	100	100
85.00	60.00	57.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35013.D
Acq On : 25 Feb 2025 12:35 pm
Operator : thomash
Sample : cc1441-0.1
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 13:58:46 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

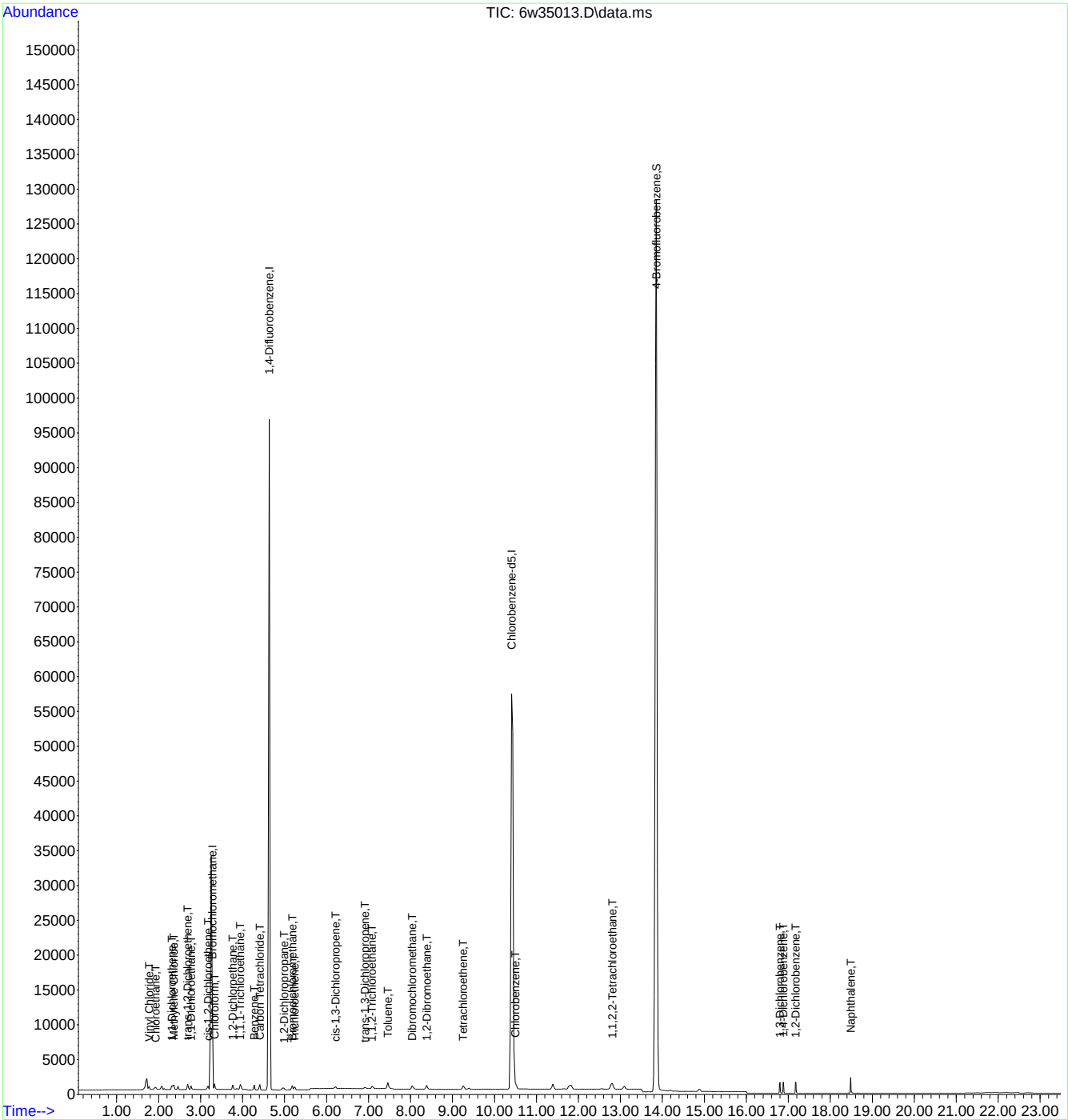
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	28231	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.633	114	149381	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	65774	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.853	95	98921	10.21	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.10%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	526	0.13	ppb(v#	77
3) Vinyl Chloride	1.773	62	541	0.10	ppb(v	97
4) Chloroethane	1.926	64	340	0.09	ppb(v	92
5) 1,1-Dichloroethene	2.309	61	668	0.11	ppb(v	98
6) trans-1,2-Dichloroethene	2.692	61	749	0.10	ppb(v	95
7) 1,1-Dichloroethane	2.769	63	559	0.09	ppb(v	97
8) cis-1,2-Dichloroethene	3.178	61	414	0.10	ppb(v	76
9) Chloroform	3.331	83	832	0.12	ppb(v	98
10) 1,1,1-Trichloroethane	3.944	97	679	0.12	ppb(v	75
11) 1,2-Dichloroethane	3.765	62	622	0.11	ppb(v	98
12) Benzene	4.278	78	1042	0.11	ppb(v	98
13) Carbon Tetrachloride	4.411	117	812	0.14	ppb(v	99
15) Toluene	7.458	92	799	0.11	ppb(v	96
16) Trichloroethene	5.231	95	531	0.11	ppb(v	100
17) 1,2-Dichloropropane	4.987	65	112	0.09	ppb(v	88
18) Bromodichloromethane	5.187	83	817	0.12	ppb(v	100
19) cis-1,3-Dichloropropene	6.215	75	439	0.10	ppb(v	99
20) trans-1,3-Dichloropropene	6.909	75	395	0.10	ppb(v	100
21) 1,1,2-Trichloroethane	7.082	83	382	0.11	ppb(v	99
22) Dibromochloromethane	8.036	129	780	0.11	ppb(v	99
23) Tetrachloroethene	9.250	166	877	0.11	ppb(v	95
24) 1,2-Dibromoethane	8.383	107	744	0.11	ppb(v	100
26) Chlorobenzene	10.493	112	1193	0.11	ppb(v	96
27) 1,1,2,2-Tetrachloroethane	12.805	83	1070	0.12	ppb(v	99
29) 1,3-Dichlorobenzene	16.800	146	1237	0.10	ppb(v	84
30) 1,4-Dichlorobenzene	16.884	146	1249	0.10	ppb(v	85
31) 1,2-Dichlorobenzene	17.173	146	1209	0.10	ppb(v	97
32) Naphthalene	18.483	128	2142	0.11	ppb(v	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 6w35013.D
Acq On : 25 Feb 2025 12:35 pm
Operator : thomash
Sample : cc1441-0.1
Misc : MS80372,v6w1452,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 13:58:46 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/08/25 02:00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35364.D
Acq On : 4 Apr 2025 5:04 pm
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:26:06 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	29070	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	159217	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	70164	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	102848	9.95	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.50%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	512	0.1270	ppb(v	98
3) Vinyl Chloride	1.773	62	460	0.0846	ppb(v	100
4) Chloroethane	1.926	64	362	0.0911	ppb(v	98
5) 1,1-Dichloroethene	2.309	61	621	0.0962	ppb(v	98
6) trans-1,2-Dichloroethene	2.692	61	849	0.1112	ppb(v	99
7) 1,1-Dichloroethane	2.769	63	576	0.0929	ppb(v	99
8) cis-1,2-Dichloroethene	3.177	61	515	0.1150	ppb(v	93
9) Chloroform	3.331	83	801m	0.1123	ppb(v	
10) 1,1,1-Trichloroethane	3.944	97	576	0.1010	ppb(v	81
11) 1,2-Dichloroethane	3.765	62	657	0.1159	ppb(v	98
12) Benzene	4.278	78	1131	0.1160	ppb(v	98
13) Carbon Tetrachloride	4.411	117	720	0.1197	ppb(v	100
15) Toluene	7.458	92	817	0.1094	ppb(v	98
16) Trichloroethene	5.231	95	558	0.1051	ppb(v	94
17) 1,2-Dichloropropane	4.987	65	113	0.0888	ppb(v	94
18) Bromodichloromethane	5.187	83	742	0.1019	ppb(v	99
19) cis-1,3-Dichloropropene	6.215	75	407	0.0892	ppb(v	99
20) trans-1,3-Dichloropropene	6.909	75	324	0.0776	ppb(v	99
21) 1,1,2-Trichloroethane	7.082	83	392	0.1043	ppb(v	98
22) Dibromochloromethane	8.036	129	650	0.0890	ppb(v	99
23) Tetrachloroethene	9.250	166	1065	0.1309	ppb(v	95
24) 1,2-Dibromoethane	8.383	107	772	0.1105	ppb(v	100
26) Chlorobenzene	10.493	112	1443	0.1266	ppb(v	96
27) 1,1,2,2-Tetrachloroethane	12.805	83	1155	0.1215	ppb(v	99
29) 1,3-Dichlorobenzene	16.799	146	1586	0.1227	ppb(v	88
30) 1,4-Dichlorobenzene	16.884	146	1608	0.1264	ppb(v	89
31) 1,2-Dichlorobenzene	17.180	146	1561	0.1249	ppb(v	90
32) Naphthalene	18.490	128	3254	0.1576	ppb(v	97

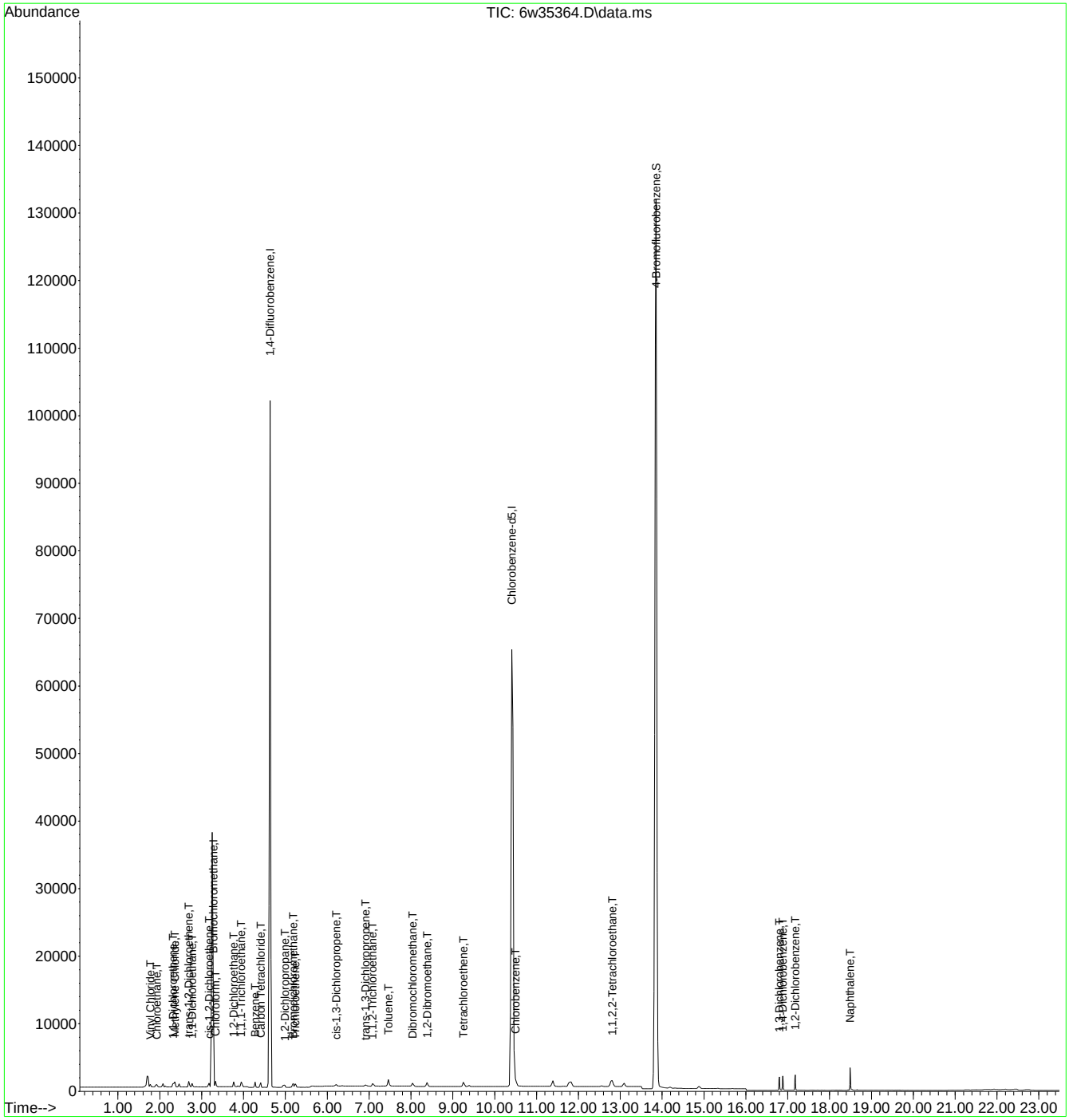
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.25
7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35364.D
Acq On : 4 Apr 2025 5:04 pm
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:26:06 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

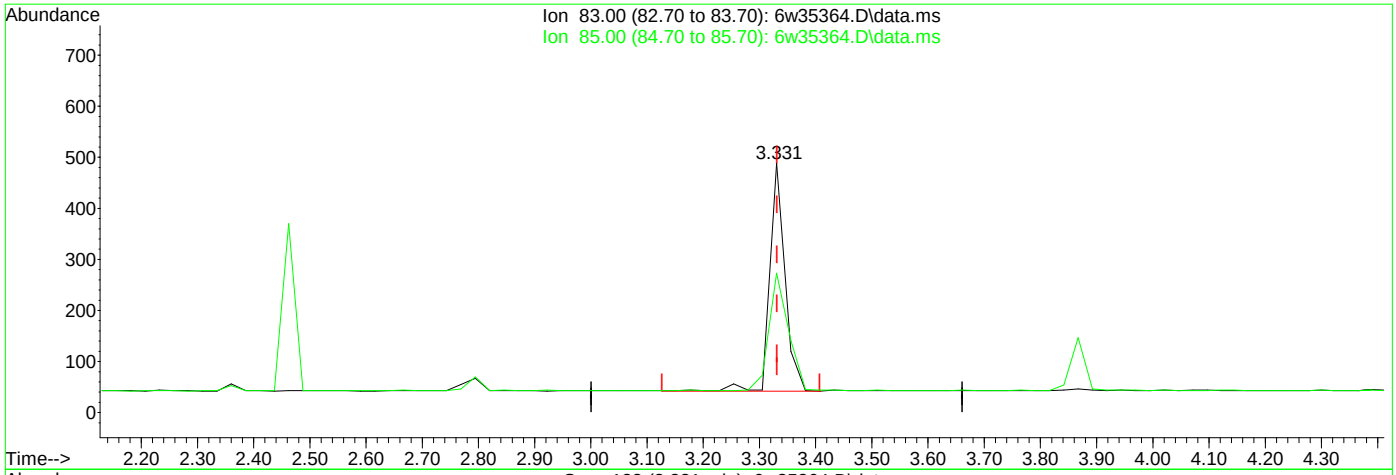
Sample Number:	V6W1468-CC1441	**Method:**	TO-15 (BY SIM)
Lab FileID:	6W35364.D	**Analyst approved:**	04/06/25 23:15 Lucky Carandang
Injection Time:	04/04/25 17:04	**Supervisor approved:**	04/08/25 02:00 Kanya Veerawat

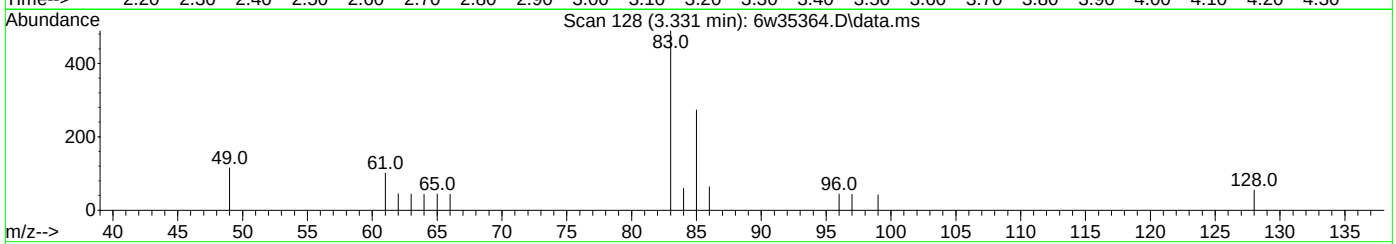
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak

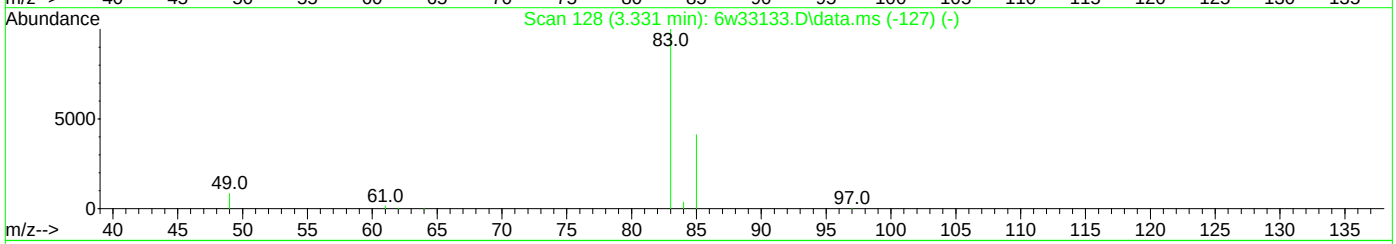
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35364.D
Acq On : 4 Apr 2025 5:04 pm
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:13:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35364.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.12ppb(v)

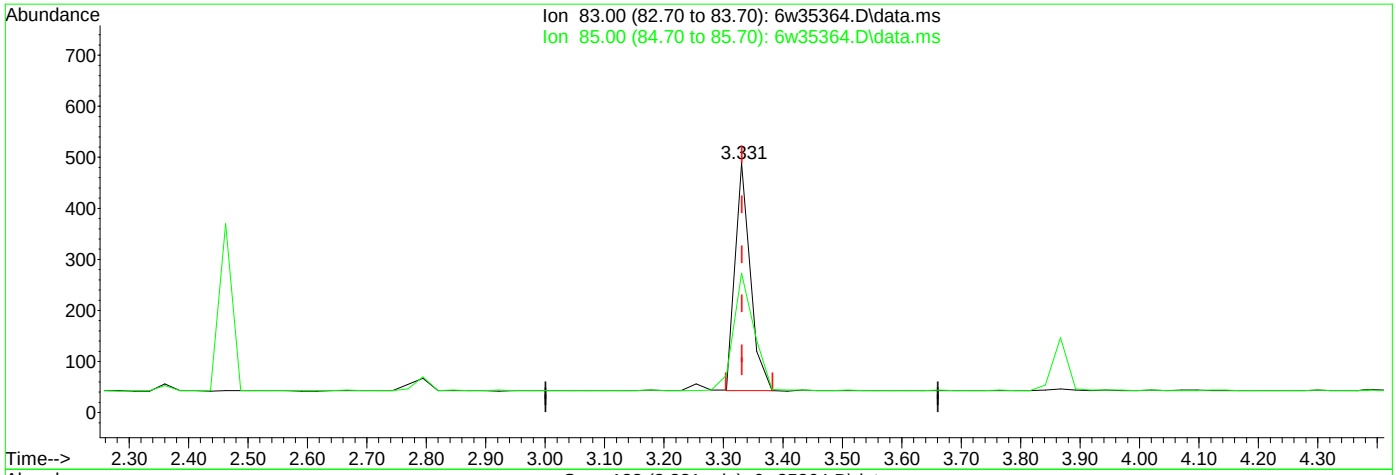
response 841

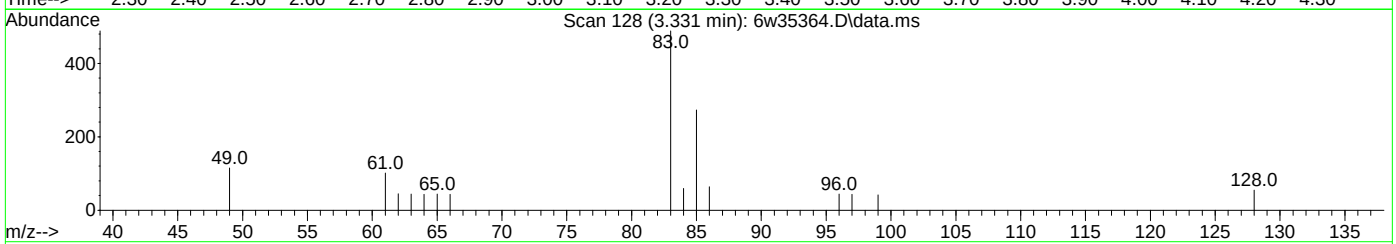
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.83
0.00	0.00	0.00
0.00	0.00	0.00

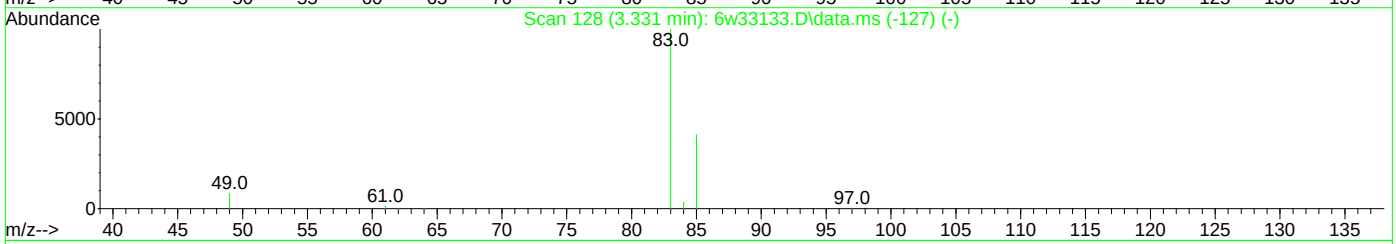
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35364.D
Acq On : 4 Apr 2025 5:04 pm
Operator : benk
Sample : cc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 01:13:23 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35364.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v) m

response 801

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	55.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/08/25 18:38

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35388.D
Acq On : 5 Apr 2025 10:25 am
Operator : benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 07 04:10:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration

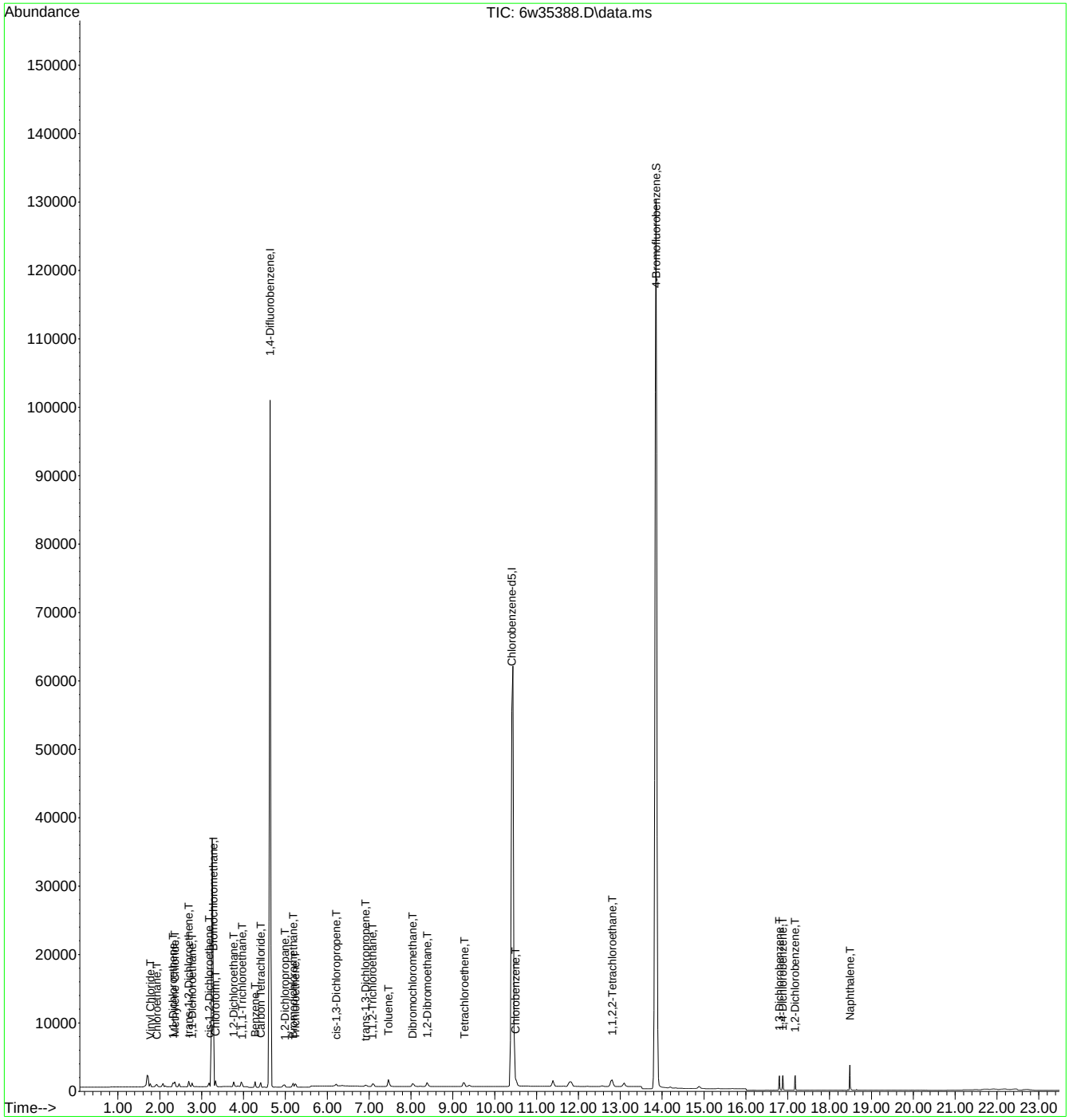
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	3.280	128	28797	10.00	ppb(v	0.00
14) 1,4-Difluorobenzene	4.632	114	157255	10.00	ppb(v	0.00
25) Chlorobenzene-d5	10.406	82	68344	10.00	ppb(v	0.00
System Monitoring Compounds						
28) 4-Bromofluorobenzene	13.852	95	100800	10.01	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.10%			
Target Compounds						Qvalue
2) Methylene Chloride	2.360	84	532	0.1332	ppb(v	91
3) Vinyl Chloride	1.773	62	539	0.1001	ppb(v	99
4) Chloroethane	1.926	64	375	0.0953	ppb(v	98
5) 1,1-Dichloroethene	2.309	61	676	0.1057	ppb(v	97
6) trans-1,2-Dichloroethene	2.692	61	855	0.1130	ppb(v	99
7) 1,1-Dichloroethane	2.769	63	608	0.0990	ppb(v	100
8) cis-1,2-Dichloroethene	3.177	61	492	0.1109	ppb(v	95
9) Chloroform	3.331	83	792m	0.1121	ppb(v	
10) 1,1,1-Trichloroethane	3.969	97	625	0.1106	ppb(v	98
11) 1,2-Dichloroethane	3.765	62	671	0.1195	ppb(v	98
12) Benzene	4.278	78	1154	0.1195	ppb(v	97
13) Carbon Tetrachloride	4.411	117	725	0.1217	ppb(v	100
15) Toluene	7.458	92	914	0.1239	ppb(v	99
16) Trichloroethene	5.231	95	572	0.1090	ppb(v	95
17) 1,2-Dichloropropane	4.987	65	121	0.0963	ppb(v	98
18) Bromodichloromethane	5.187	83	737	0.1025	ppb(v	100
19) cis-1,3-Dichloropropene	6.215	75	418	0.0928	ppb(v	99
20) trans-1,3-Dichloropropene	6.909	75	364	0.0883	ppb(v	99
21) 1,1,2-Trichloroethane	7.082	83	442	0.1190	ppb(v	96
22) Dibromochloromethane	8.036	129	708	0.0982	ppb(v	99
23) Tetrachloroethene	9.279	166	1096	0.1364	ppb(v	85
24) 1,2-Dibromoethane	8.383	107	812	0.1177	ppb(v	98
26) Chlorobenzene	10.493	112	1474	0.1327	ppb(v	95
27) 1,1,2,2-Tetrachloroethane	12.805	83	1169	0.1262	ppb(v	100
29) 1,3-Dichlorobenzene	16.799	146	1612	0.1280	ppb(v	88
30) 1,4-Dichlorobenzene	16.884	146	1629	0.1315	ppb(v	88
31) 1,2-Dichlorobenzene	17.173	146	1598	0.1312	ppb(v	95
32) Naphthalene	18.483	128	3285	0.1634	ppb(v	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35388.D
Acq On : 5 Apr 2025 10:25 am
Operator : benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 07 04:10:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



Manual Integration Approval Summary

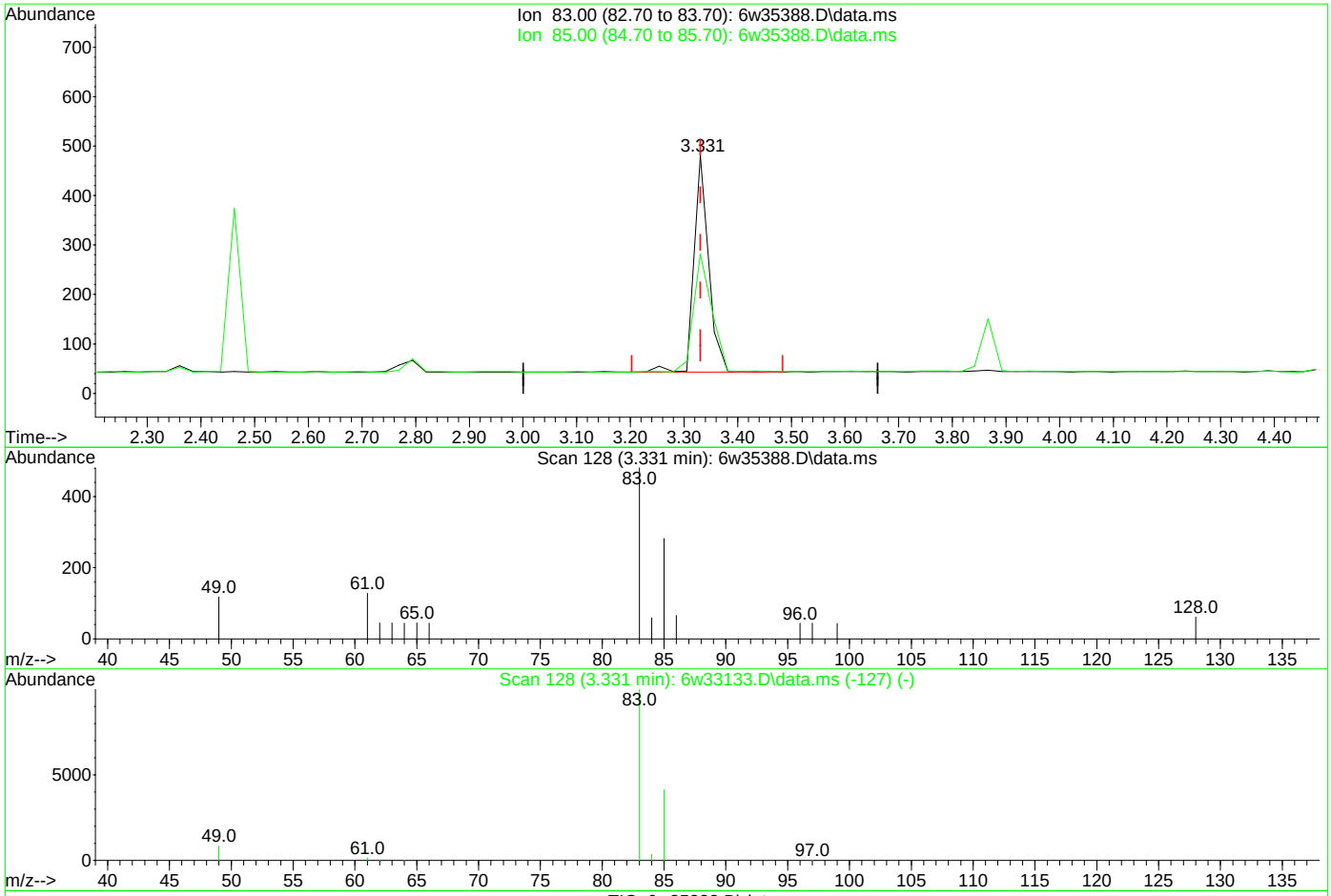
Sample Number: V6W1468-ECC1441 **Method:** TO-15 (BY SIM)
Lab FileID: 6W35388.D **Analyst approved:** 04/07/25 00:29 Lucky Carandang
Injection Time: 04/05/25 10:25 **Supervisor approved:** 04/08/25 18:38 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		3.33	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35388.D
Acq On : 5 Apr 2025 10:25 am
Operator : benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 07 01:17:02 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration



TIC: 6w35388.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.12ppb(v)

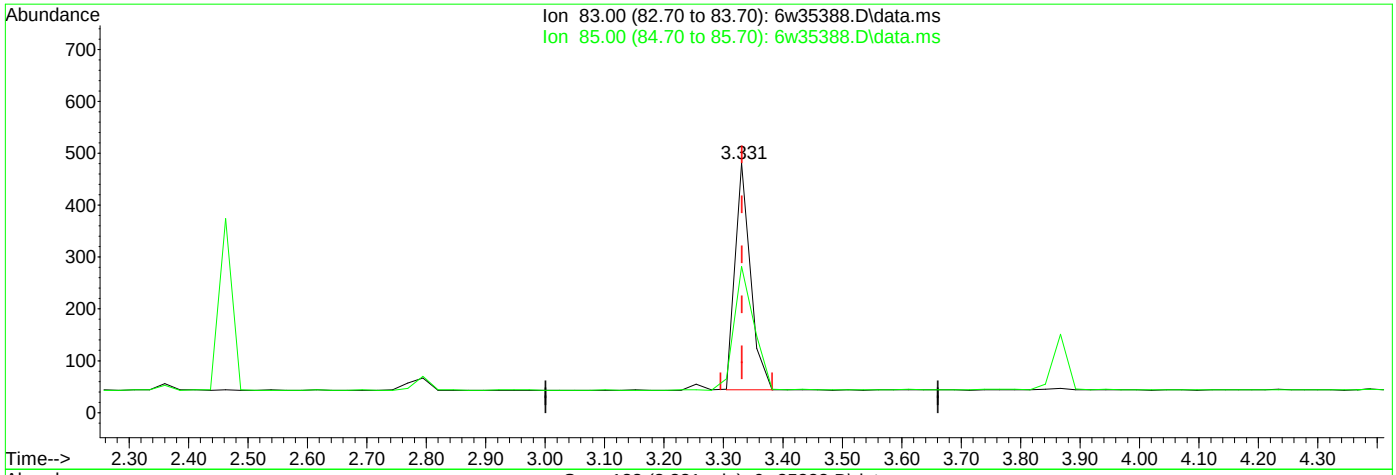
response 824

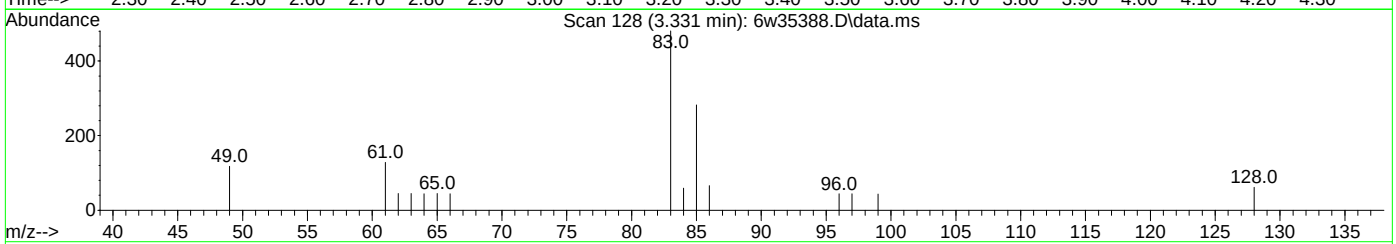
Ion	Exp%	Act%
83.00	100	100
85.00	55.50	58.63
0.00	0.00	0.00
0.00	0.00	0.00

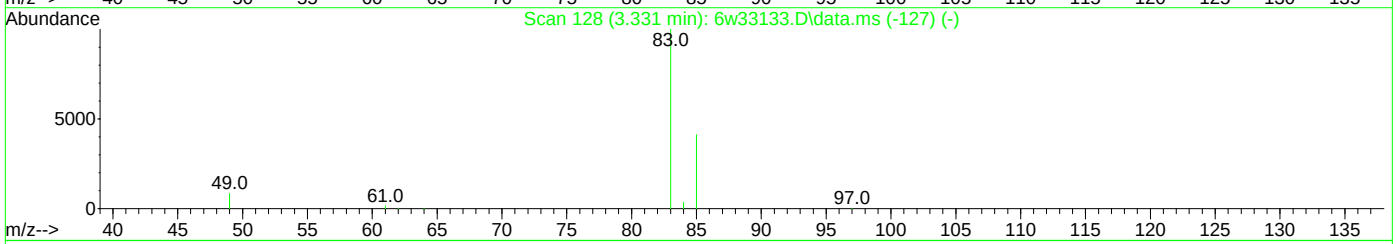
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 Apr 2025\v6w1468\
Data File : 6w35388.D
Acq On : 5 Apr 2025 10:25 am
Operator : benk
Sample : ecc1441-0.1 Inst : GCMS6W
Misc : MS80372,v6w1468,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 07 04:10:24 2025
Quant Method : C:\msdchem\1\methods\M6W1441.M
Quant Title : TO-15 SIM Mode
QLast Update : Sun Feb 16 02:04:55 2025
Response via : Initial Calibration







TIC: 6w35388.D\data.ms

(9) Chloroform (T)

3.331min (-0.000) 0.11ppb(v) m

response 792

Ion	Exp%	Act%
83.00	100	100
85.00	55.50	58.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.223	128	135115	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.490	114	681342	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	623287	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.223	128	135115	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	446738	9.86	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	481	0.04	PPBV		97
3) FREON 152A	1.628	65	207m	0.03	PPBV		
4) CHLORODIFLUOROMETHANE	1.638	67	132	0.04	PPBV	#	40
5) CHLOROTRIFLUOROETHENE	1.650	116	547	0.03	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.666	85	1186	0.03	PPBV	#	87
7) PROPYLENE	1.650	41	502	0.06	PPBV	#	60
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	979	0.04	PPBV	#	71
9) FREON 114	1.737	85	987	0.04	PPBV		93
10) CHLOROMETHANE	1.711	52	181	0.05	PPBV		81
11) VINYL CHLORIDE	1.773	62	372	0.03	PPBV	#	81
12) 1,3-BUTADIENE	1.808	54	595	0.07	PPBV	#	22
13) N-BUTANE	1.824	43	1027	0.06	PPBV	#	1
14) BROMOMETHANE	1.882	94	453	0.05	PPBV	#	61
15) CHLOROETHANE	1.933	64	271	0.04	PPBV		85
16) DICHLOROFLUOROMETHANE	1.959	67	870	0.04	PPBV		95
17) ACETONITRILE	2.027	41	415m	0.04	PPBV		
18) ACROLEIN	2.062	56	289m	0.05	PPBV		
19) FREON 123	2.072	83	1077	0.04	PPBV		89
20) FREON 123A	2.091	117	665	0.04	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.155	101	993	0.03	PPBV	#	84
22) ISOPROPYL ALCOHOL	2.187	45	1113	0.04	PPBV	#	64
23) ACETONE	2.104	58	492	0.07	PPBV		82
24) PENTANE	2.271	42	559	0.05	PPBV	#	43
25) IODOMETHANE	2.332	142	957	0.03	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.358	96	627	0.06	PPBV	#	63
27) CARBON DISULFIDE	2.490	76	1027	0.03	PPBV	#	66
28) ETHANOL	1.966	45	1506	0.14	PPBV		93
29) BROMOETHENE	2.030	106	456	0.04	PPBV	#	96
30) ACRYLONITRILE	2.239	52	746	0.08	PPBV	#	70
31) METHYLENE CHLORIDE	2.396	84	1398	0.12	PPBV		88
32) 3-CHLOROPROPENE	2.435	76	208	0.04	PPBV	#	25
33) FREON 113	2.490	151	596	0.03	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.721	96	582	0.05	PPBV	#	66
35) TERTIARY BUTYL ALCOHOL	2.400	59	999	0.03	PPBV	#	29
36) METHYL TERTIARY BUTYL ...	2.830	73	1395	0.04	PPBV	#	68
37) TETRAHYDROFURAN	3.544	72	121	0.02	PPBV	#	1
38) HEXANE	3.281	57	1034	0.05	PPBV		80
39) VINYL ACETATE	2.859	86	94	0.03	PPBV	#	1
40) 1,1-DICHLOROETHANE	2.789	63	752	0.03	PPBV	#	70
41) METHYL ETHYL KETONE	2.969	72	186	0.03	PPBV	#	1
42) CIS-1,2-DICHLOROETHENE	3.149	96	425	0.03	PPBV		94
43) DIISOPROPYL ETHER	3.287	59	224	0.04	PPBV		89
44) ETHYL ACETATE	3.303	61	143	0.03	PPBV	#	59
45) METHYL ACRYLATE	3.281	55	833	0.03	PPBV	#	88
46) CHLOROFORM	3.293	83	952	0.04	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.782	57	1020	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	3.866	97	955	0.04	PPBV		92
49) CARBON TETRACHLORIDE	4.284	117	740	0.03	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	665	0.04	PPBV	#	91
51) BENZENE	4.174	78	1541	0.04	PPBV		97
53) CYCLOHEXANE	4.371	84	625	0.04	PPBV	#	75
54) 2,3-DIMETHYLPENTANE	4.628	71	389	0.05	PPBV	#	97
55) TRICHLOROETHENE	5.062	95	555	0.03	PPBV		96
56) 1,2-DICHLOROPROPANE	4.827	63	530	0.04	PPBV	#	83
57) DIBROMOMETHANE	4.785	174	759	0.05	PPBV		93
58) ETHYL ACRYLATE	4.965	55	1009	0.03	PPBV	#	95
59) BROMODICHLOROMETHANE	4.998	83	901	0.03	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.152	57	2462	0.04	PPBV	#	89
61) 1,4-DIOXANE	5.226	88	244	0.02	PPBV	#	47
62) HEPTANE	5.470	43	805	0.03	PPBV	#	77
63) METHYL METHACRYLATE	5.370	69	643	0.04	PPBV	#	76
64) METHYL ISOBUTYL KETONE	6.133	58	435	0.03	PPBV	#	81
65) CIS-1,3-DICHLOROPROPENE	5.994	75	735	0.03	PPBV	#	73
66) TOLUENE	7.187	91	2041	0.04	PPBV		89
67) 1,3-DICHLOROPROPANE	7.239	76	755	0.03	PPBV	#	74
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	643	0.03	PPBV		97
69) 1,1,2-TRICHLOROETHANE	6.827	83	477	0.04	PPBV		100
70) 2-HEXANONE	7.817	58	587	0.03	PPBV	#	59
71) ETHYL METHACRYLATE	7.904	69	1154	0.05	PPBV	#	84
72) TETRACHLOROETHENE	8.904	164	711	0.04	PPBV		95
73) DIBROMOCHLOROMETHANE	7.721	129	828	0.03	PPBV		94
74) 1,2-DIBROMOETHANE	8.052	107	793	0.03	PPBV	#	96
75) OCTANE	9.058	43	1306	0.04	PPBV		86
77) 1,1,1,2-TETRACHLOROETHANE	10.107	131	628	0.03	PPBV	#	78
78) CHLOROBENZENE	10.103	112	1266	0.03	PPBV		85
79) ETHYLBENZENE	10.988	91	2859	0.05	PPBV		88
80) M,P-XYLENE	11.422	91	3729m	0.08	PPBV		
81) O-XYLENE	12.354	91	2008	0.04	PPBV		98
82) STYRENE	12.152	104	1076	0.03	PPBV		95
83) NONANE	13.460	43	1432	0.04	PPBV		85
84) BROMOFORM	11.229	173	696	0.03	PPBV	#	79
85) 1,1,2,2-TETRACHLOROETHANE	12.354	83	1109	0.03	PPBV	#	94
86) 1,2,3-TRICHLOROPROPANE	12.644	75	809	0.03	PPBV	#	99
88) ISOPROPYLBENZENE	13.862	120	606	0.03	PPBV	#	68
89) BROMOBENZENE	13.721	77	1193	0.03	PPBV	#	66
90) 2-CHLOROTOLUENE	14.843	126	445	0.03	PPBV	#	43
91) N-PROPYLBENZENE	15.203	120	527	0.03	PPBV		95
92) 4-ETHYLTOLUENE	15.647	105	2316m	0.03	PPBV		
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	1967	0.03	PPBV		92
94) ALPHA-METHYLSTYRENE	16.216	118	852	0.03	PPBV		90
95) TERT-BUTYLBENZENE	16.528	134	479	0.03	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	2036	0.03	PPBV		98
97) BENZYL CHLORIDE	16.631	91	1586	0.03	PPBV		90
98) M-DICHLOROBENZENE	16.598	146	1203	0.03	PPBV		90
99) P-DICHLOROBENZENE	16.692	146	1243	0.03	PPBV		96
100) O-DICHLOROBENZENE	17.007	146	1290	0.03	PPBV		95
101) SEC-BUTYLBENZENE	16.843	134	535	0.03	PPBV		79
102) 1,2,3-TRIMETHYLBENZENE	16.958	105	1962	0.03	PPBV		94
103) P-ISOPROPYLTOLUENE	17.032	134	596	0.03	PPBV		87
104) N-BUTYLBENZENE	17.399	134	566	0.03	PPBV		83
105) HEXACHLOROETHANE	17.576	117	628	0.03	PPBV		91
106) HEXACHLOROBUTADIENE	18.634	225	926	0.03	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	18.325	180	996	0.03	PPBV		94
108) NAPHTHALENE	18.376	128	2159	0.03	PPBV		97
110) TVHC as equiv Pentane	2.268	TIC	2517m	0.04	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

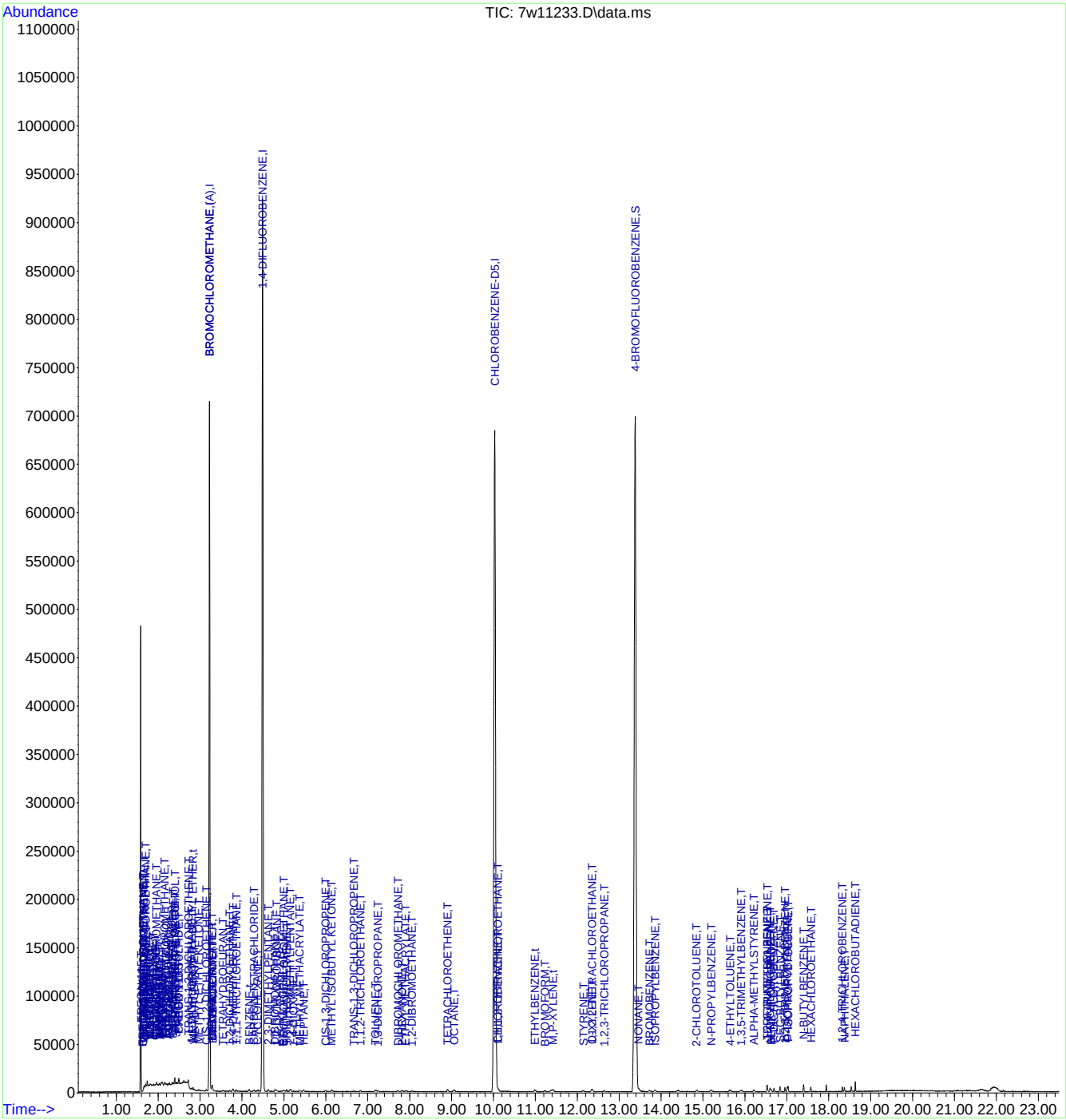
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



Manual Integration Approval Summary

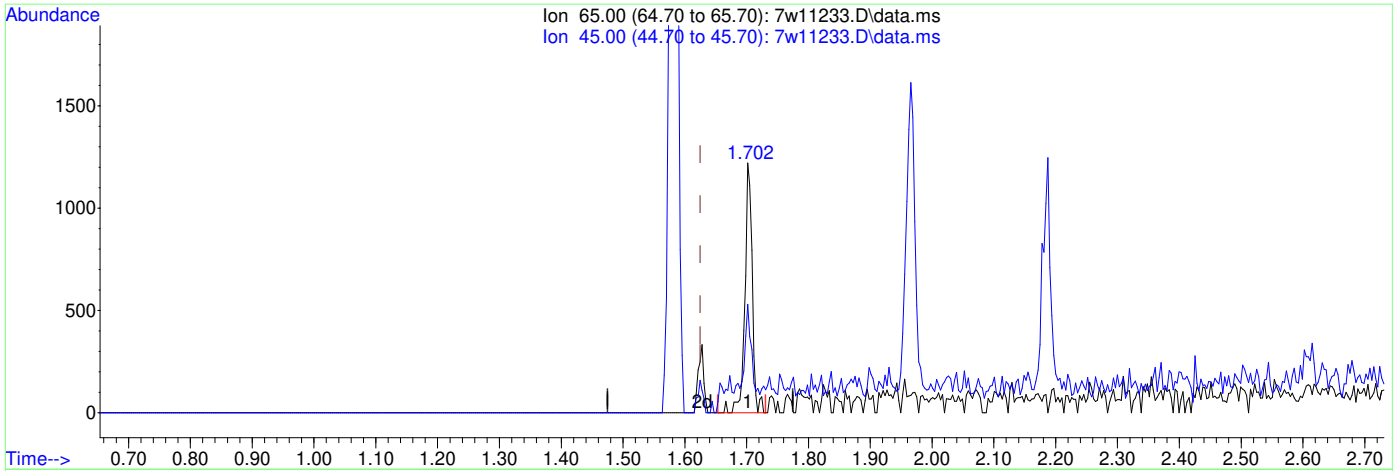
Sample Number: V7W405-IC405 **Method:** TO-15
Lab FileID: 7W11233.D **Analyst approved:** 12/30/24 00:11 Kanya Veerawat
Injection Time: 12/28/24 09:16 **Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

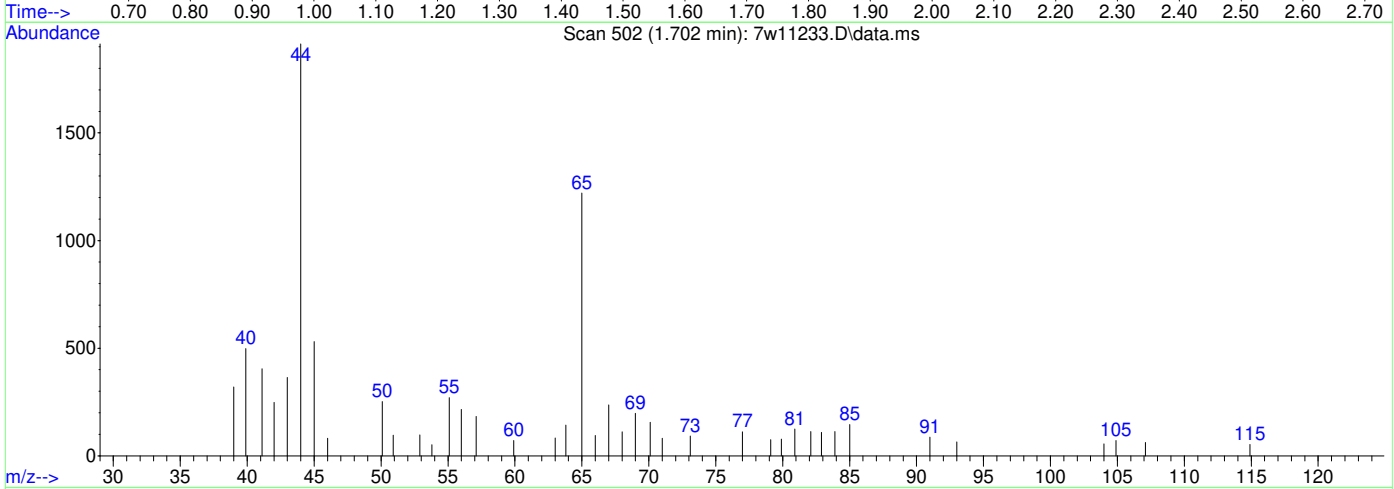
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.63	Missed peak
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acrolein	107-02-8		2.06	Missed peak
TVHC As Equiv Pentane			2.27	Missed peak
m,p-Xylene			11.42	Split peak
4-Ethyltoluene	622-96-8		15.65	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.702min (+0.077) 0.15PPBV

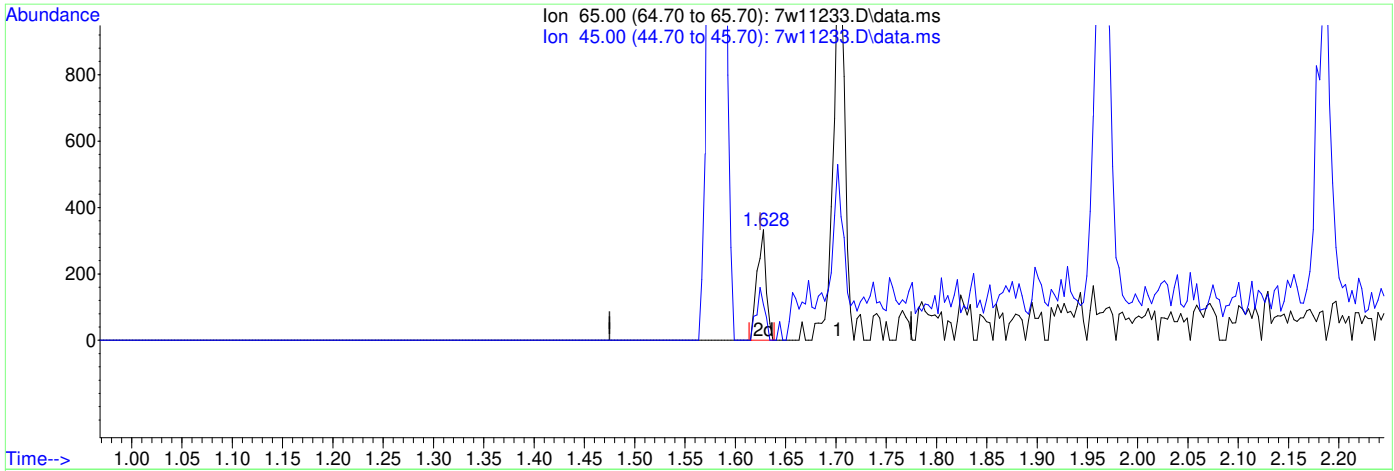
response 989

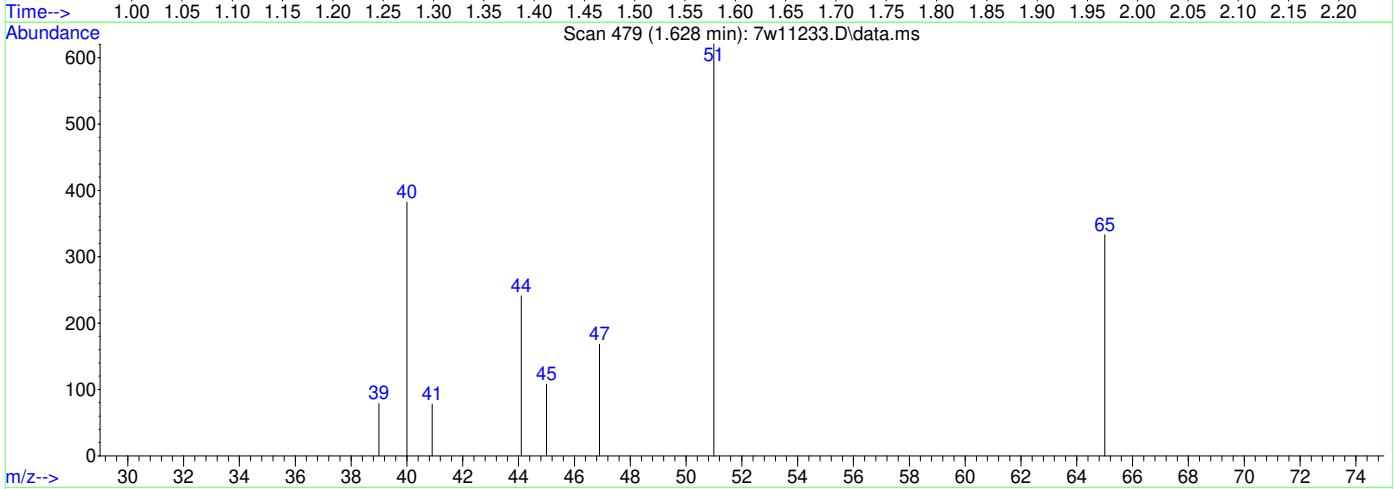
Ion	Exp%	Act%
65.00	100	100
45.00	33.60	34.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.628min (+0.003) 0.03PPBV m

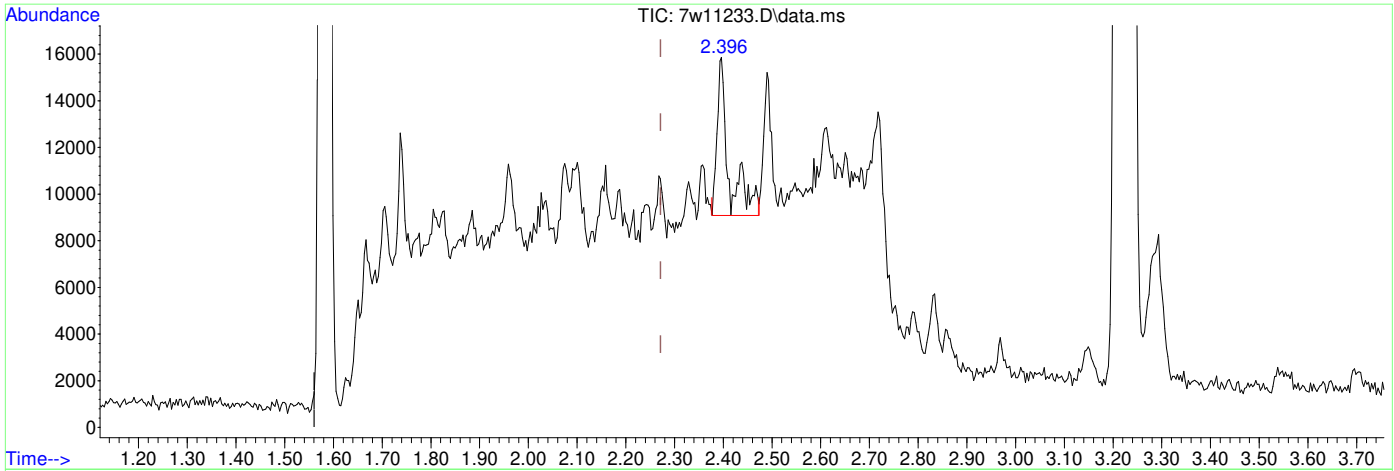
response 207

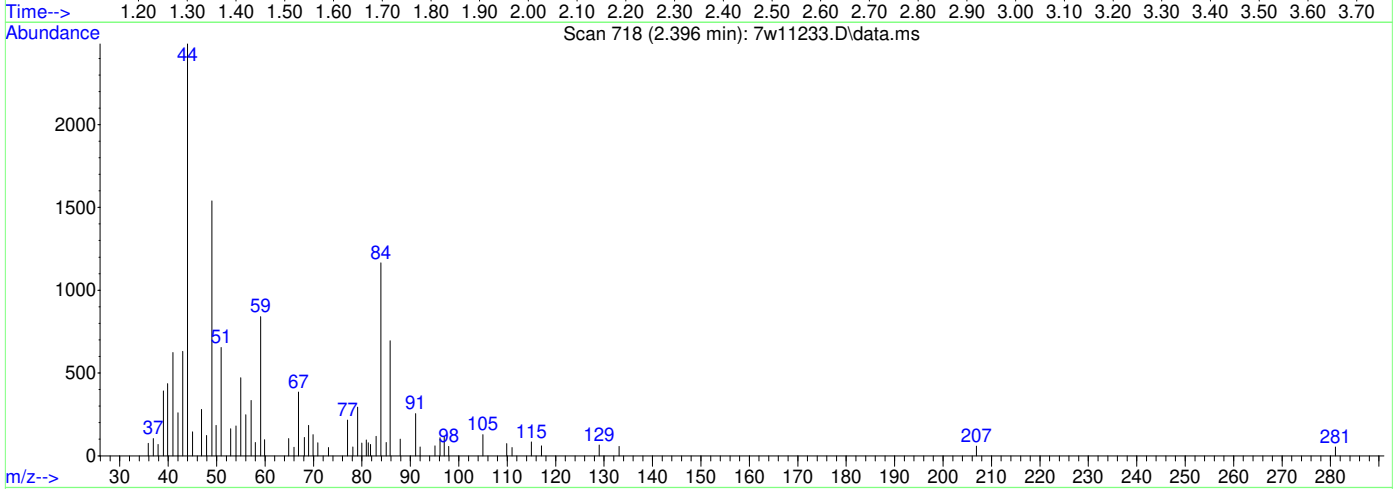
Ion	Exp%	Act%
65.00	100	100
45.00	33.60	163.29#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.396min (+0.125) 0.20PPBV

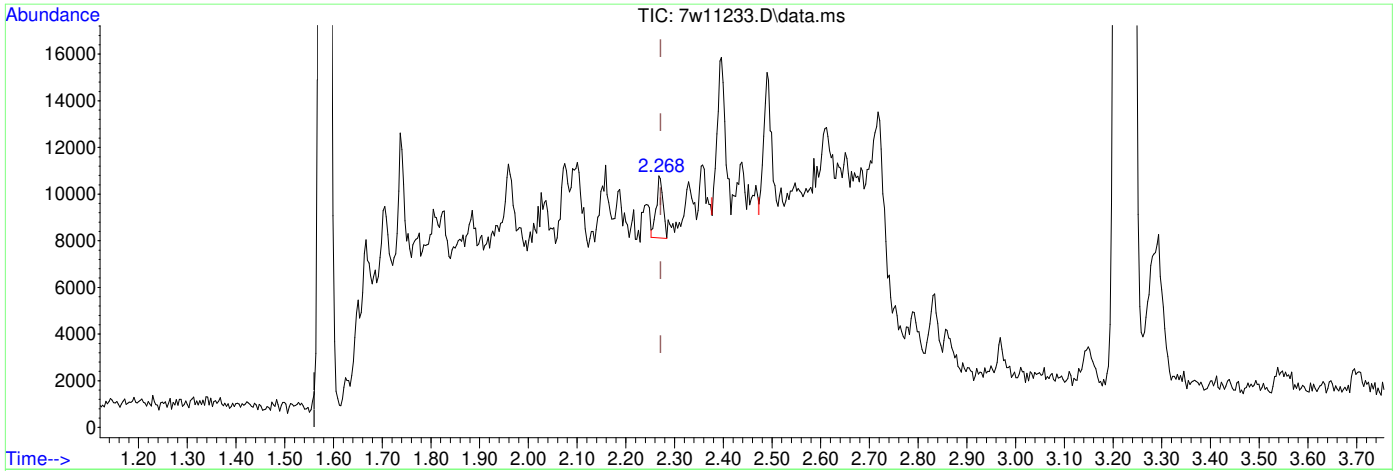
response 11422

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.268min (-0.003) 0.04PPBV m

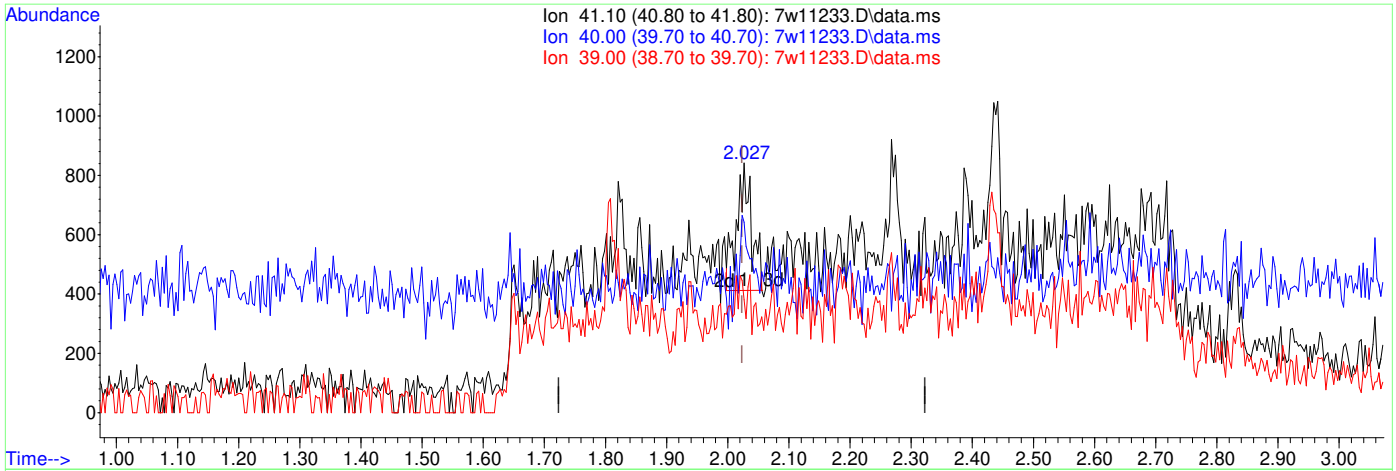
response 2517

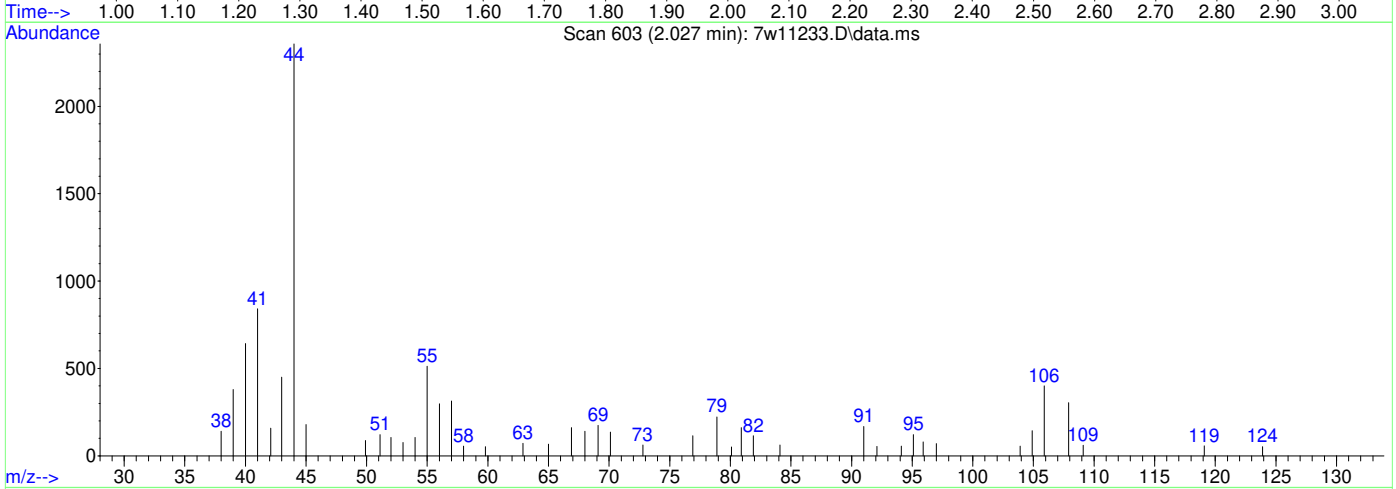
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.07PPBV

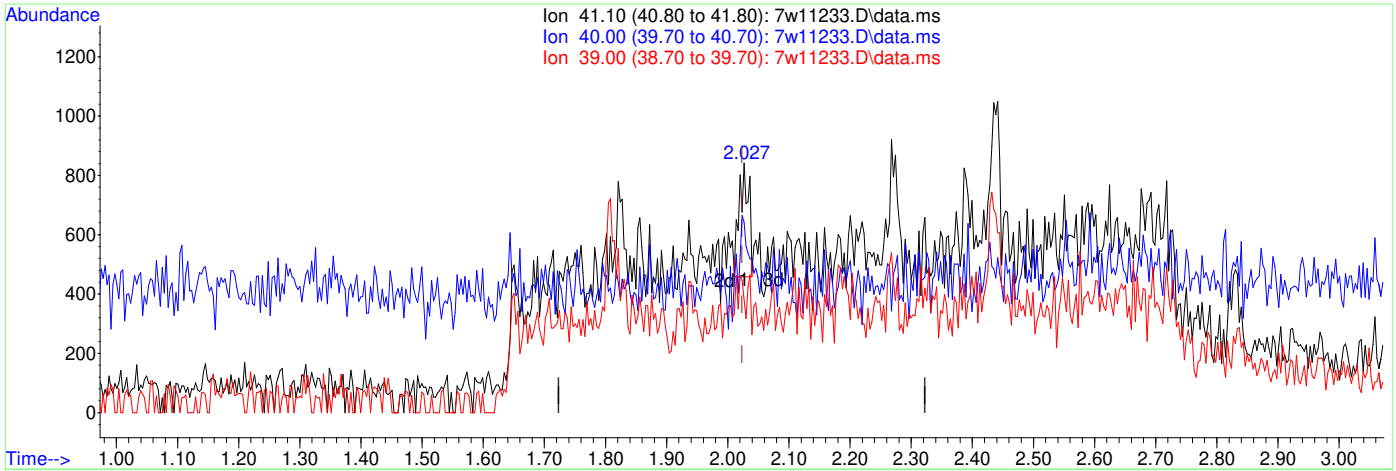
response 727

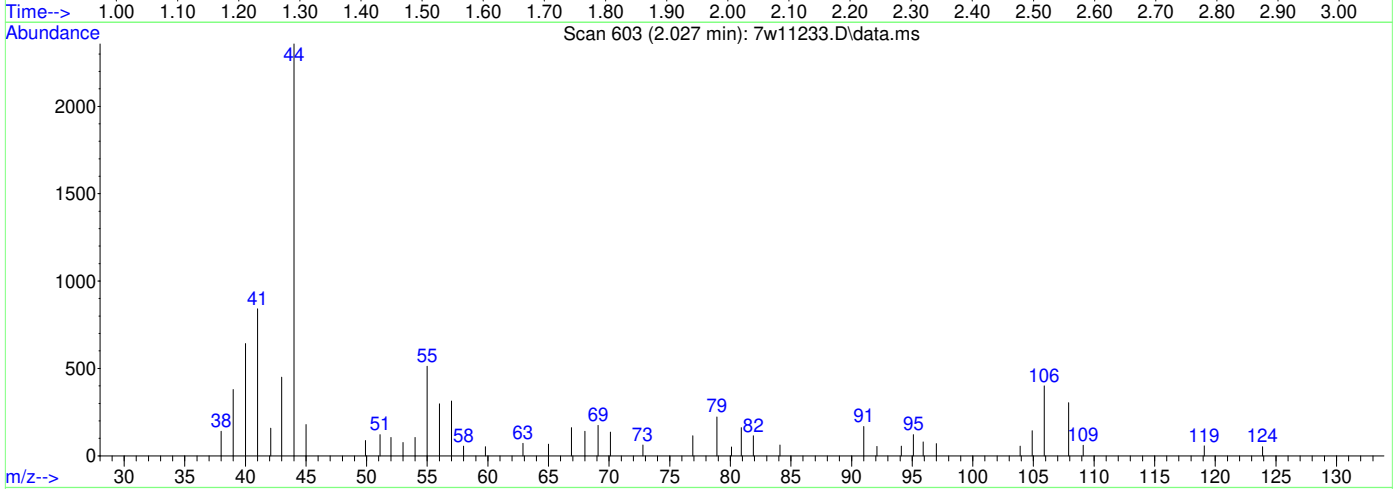
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	57.91
39.00	19.70	37.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.04PPBV m

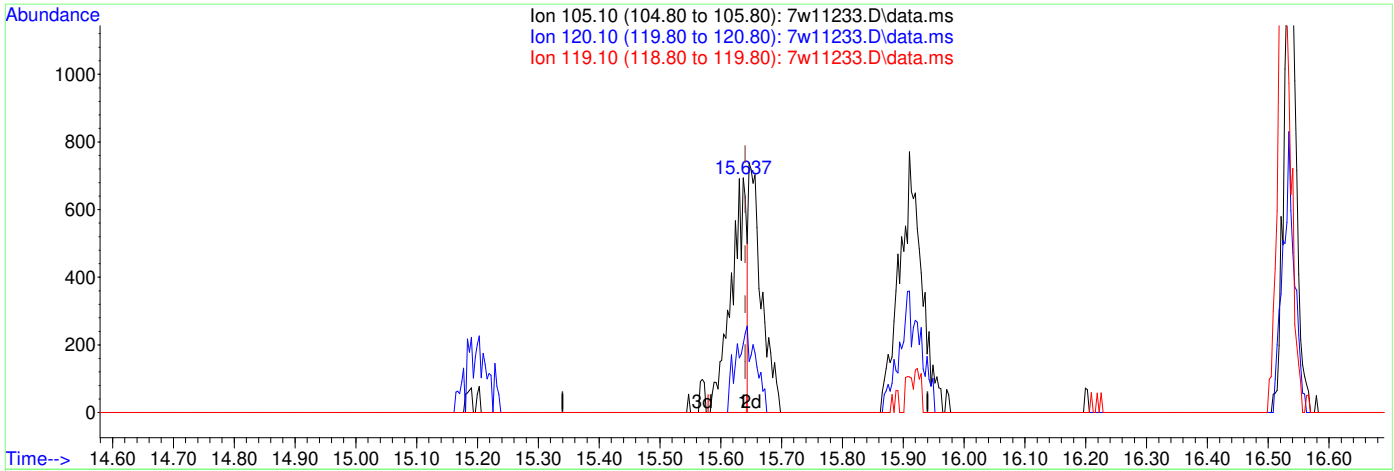
response 415

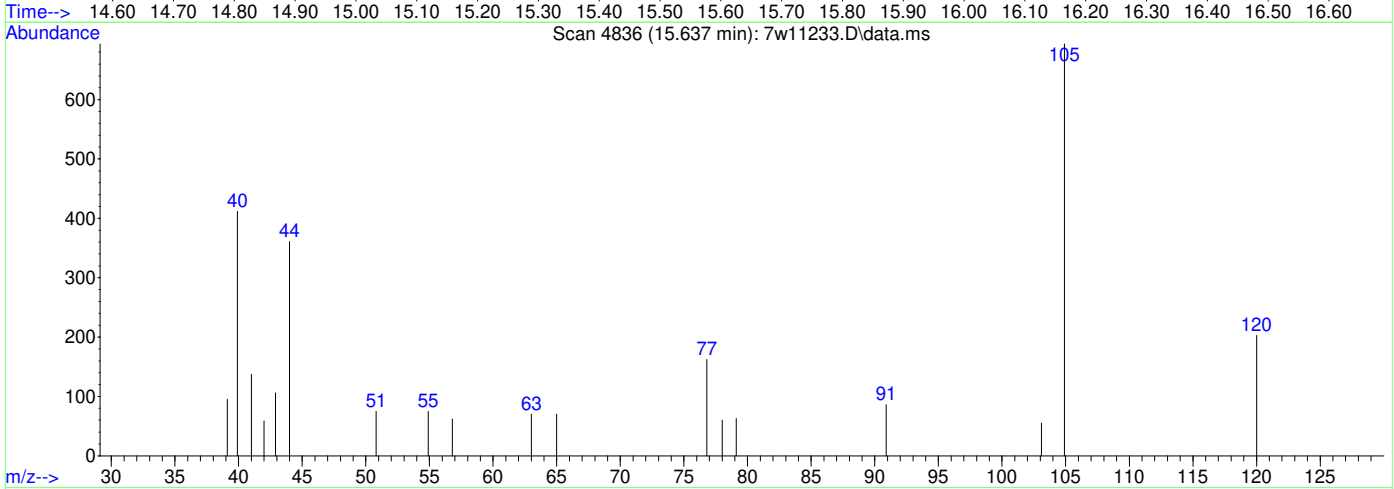
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	101.45#
39.00	19.70	66.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.637min (-0.003) 0.02PPBV

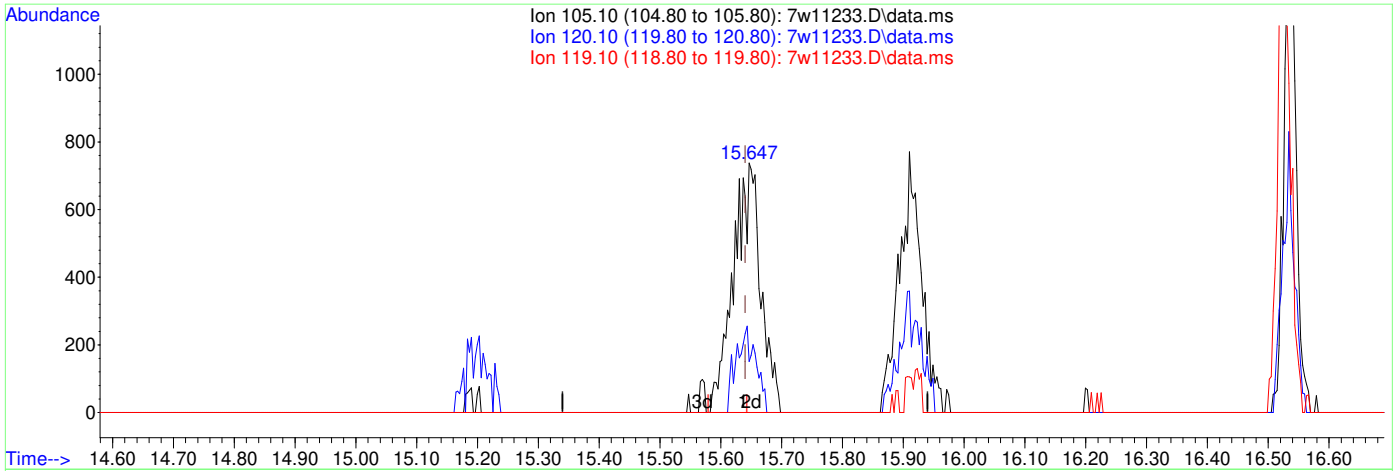
response 1228

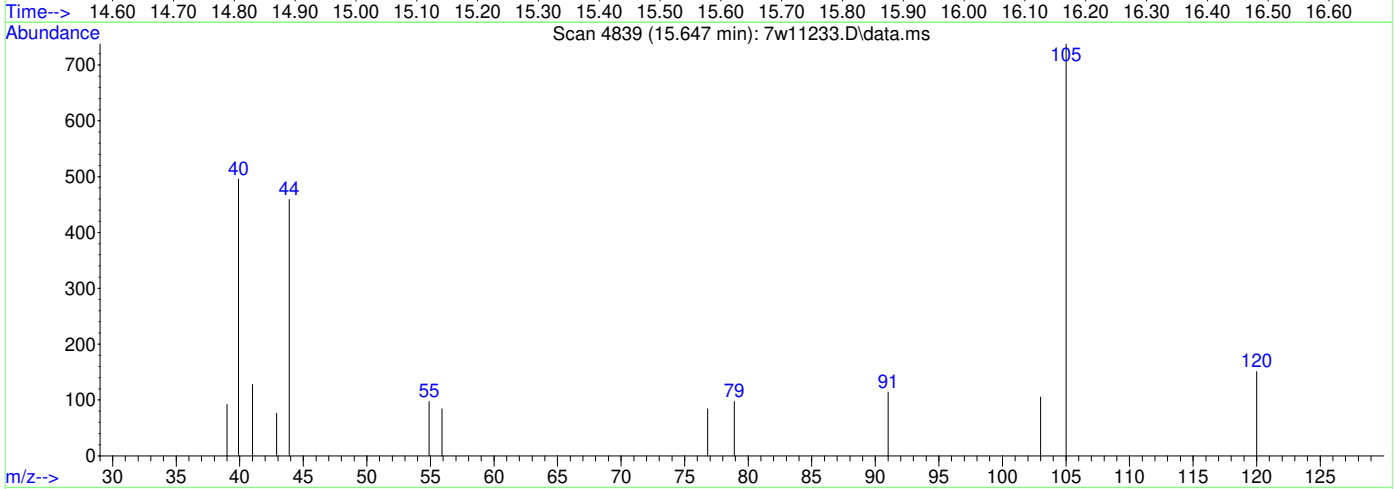
Ion	Exp%	Act%
105.10	100	100
120.10	30.10	45.68#
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.647min (+0.007) 0.03PPBV m

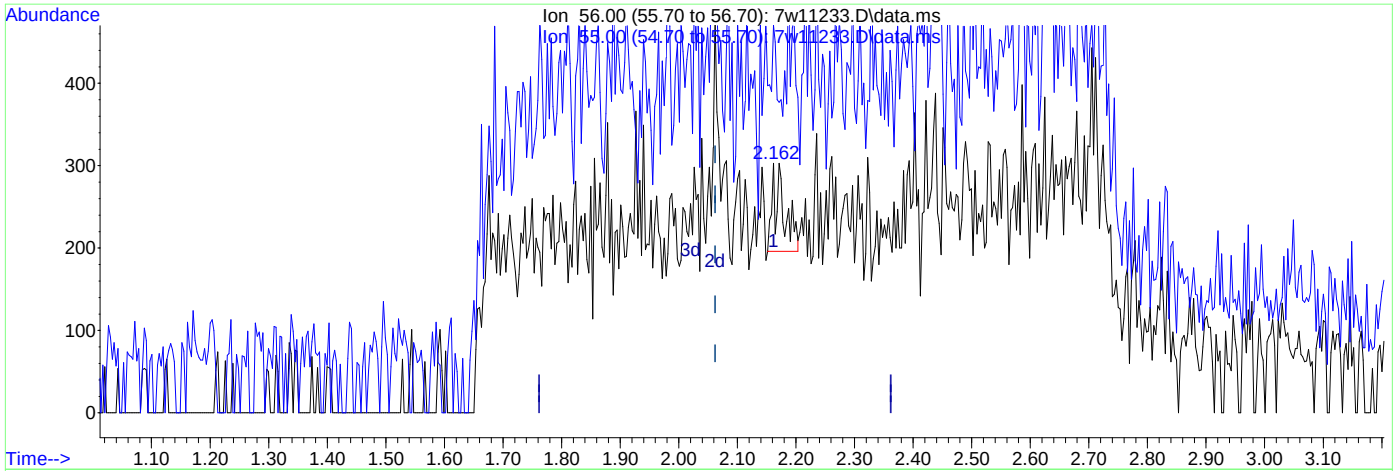
response 2316

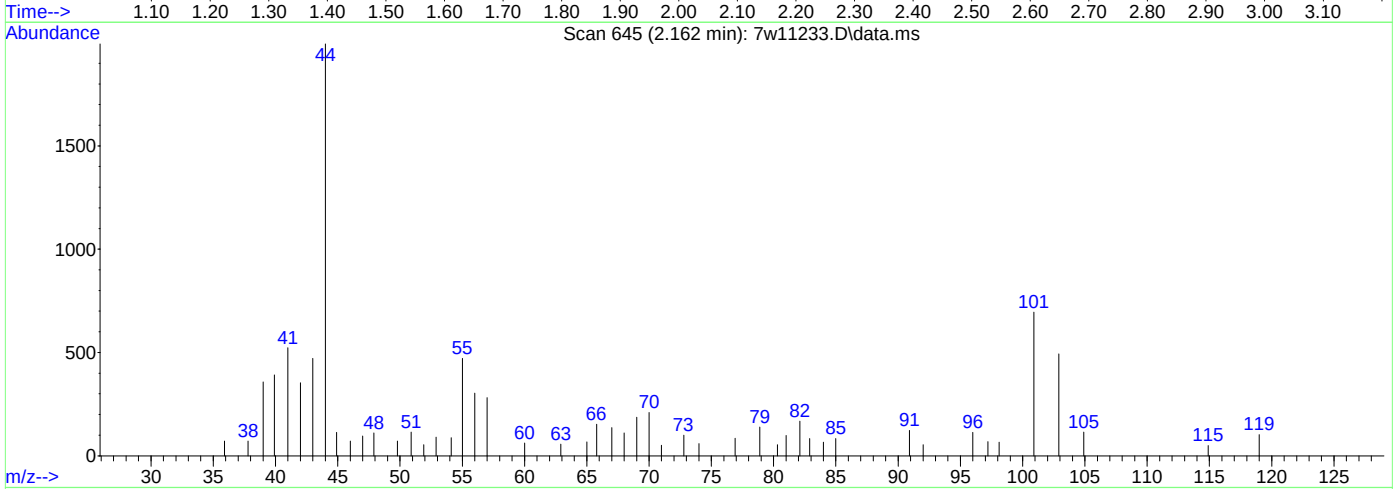
Ion	Exp%	Act%
105.10	100	100
120.10	30.10	24.22
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.162min (+0.100) 0.03PPBV

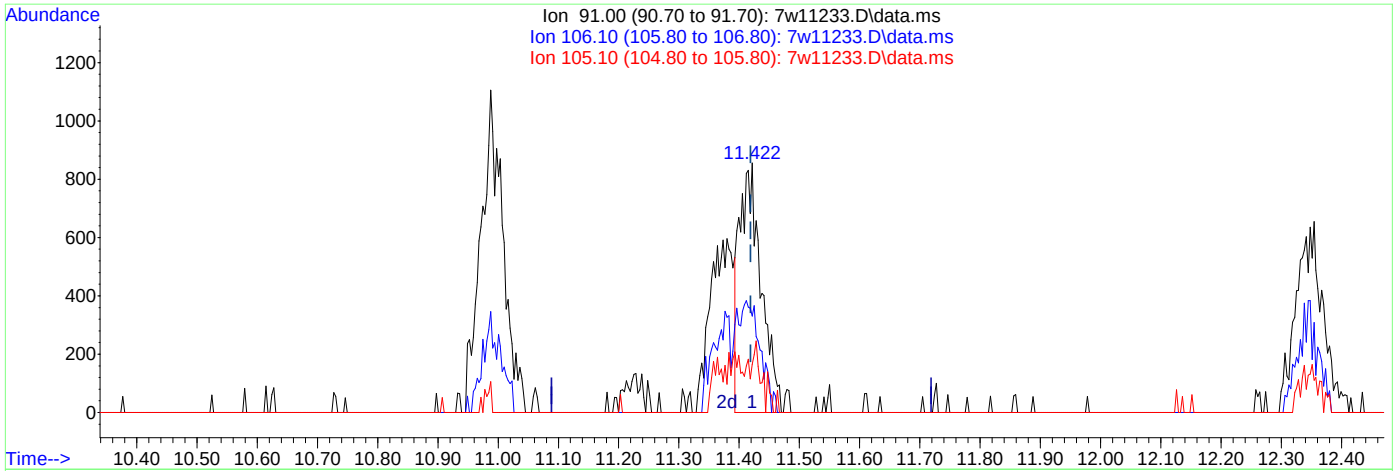
response 143

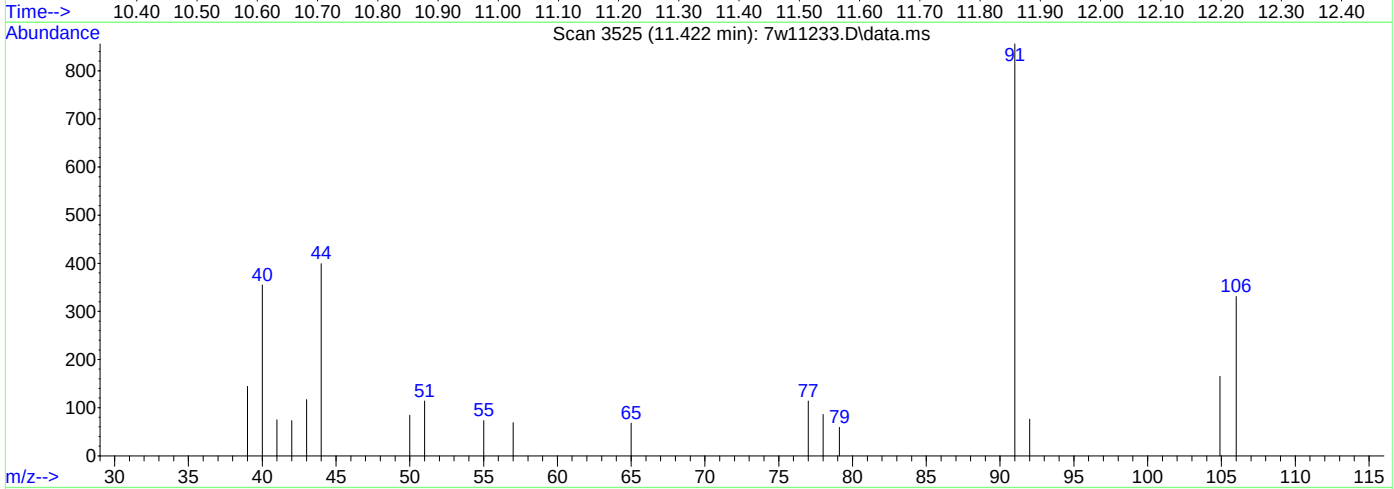
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	65.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.04PPBV

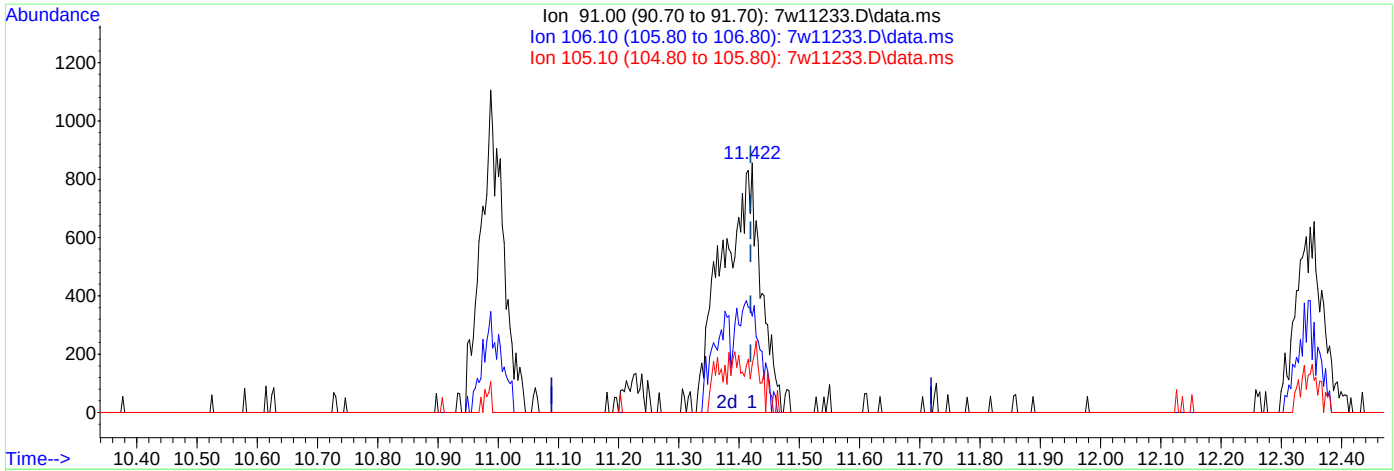
response 2127

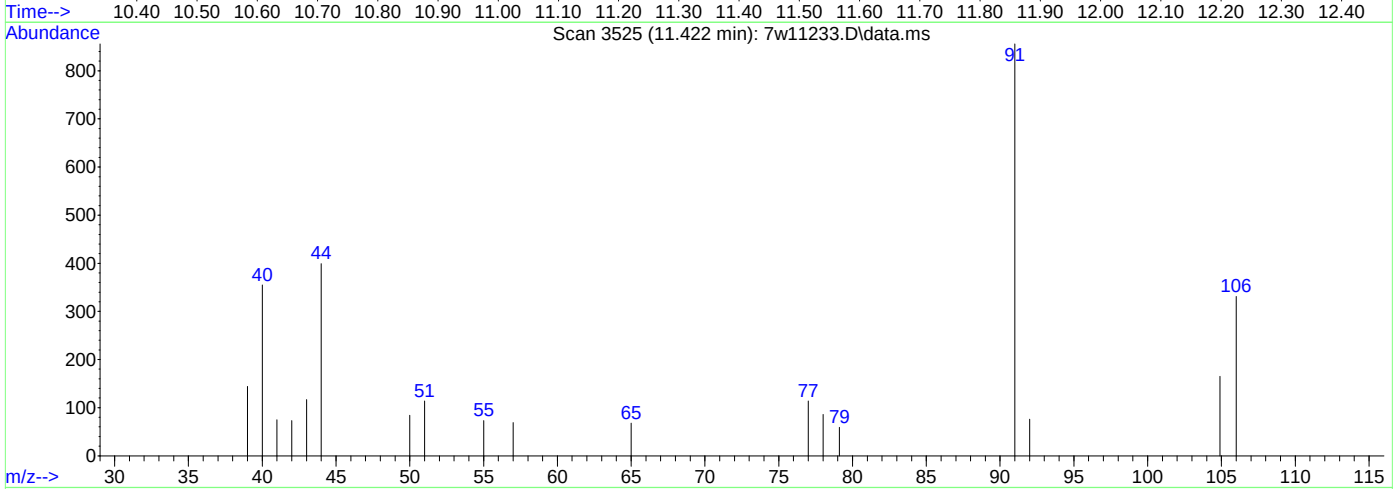
Ion	Exp%	Act%
91.00	100	100
106.10	25.50	50.49
105.10	11.70	12.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.08PPBV m

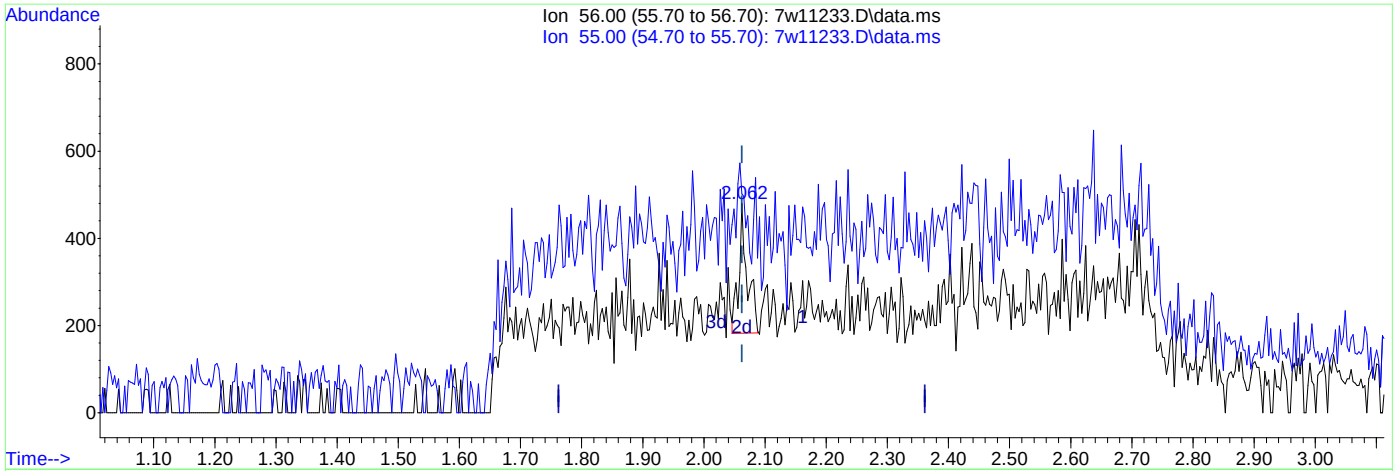
response 3729

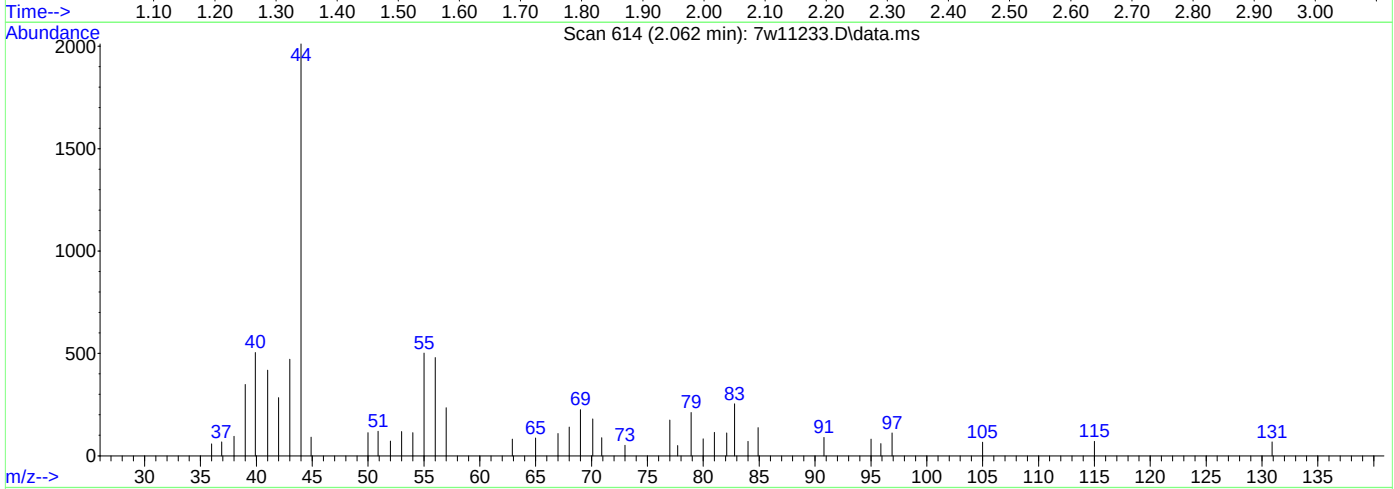
Ion	Exp%	Act%
91.00	100	100
106.10	25.50	28.80
105.10	11.70	7.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:34:06 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.062min (-0.000) 0.05PPBV m

response 289

Ion	Exp%	Act%
56.00	100	100
55.00	71.80	32.18#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.223	128	133584	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.490	114	679369	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.030	117	626077	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.223	128	133584	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	448796	9.85	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	1552	0.14	PPBV		98
3) FREON 152A	1.628	65	700	0.11	PPBV		96
4) CHLORODIFLUOROMETHANE	1.641	67	367	0.11	PPBV	#	66
5) CHLOROTRIFLUOROETHENE	1.651	116	1669	0.11	PPBV		94
6) DICHLORODIFLUOROMETHANE	1.667	85	3743	0.11	PPBV		99
7) PROPYLENE	1.651	41	1091m	0.13	PPBV		
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	2788	0.11	PPBV	#	83
9) FREON 114	1.741	85	3060	0.11	PPBV		98
10) CHLOROMETHANE	1.712	52	455m	0.14	PPBV		
11) VINYL CHLORIDE	1.770	62	1144	0.10	PPBV		95
12) 1,3-BUTADIENE	1.811	54	1147	0.13	PPBV	#	68
13) N-BUTANE	1.827	43	1929m	0.12	PPBV		
14) BROMOMETHANE	1.885	94	1136	0.12	PPBV	#	83
15) CHLOROETHANE	1.930	64	691	0.12	PPBV	#	71
16) DICHLOROFLUOROMETHANE	1.956	67	2693	0.11	PPBV		94
17) ACETONITRILE	2.027	41	1548	0.15	PPBV	#	84
18) ACROLEIN	2.065	56	638m	0.12	PPBV		
19) FREON 123	2.078	83	3192	0.13	PPBV		87
20) FREON 123A	2.091	117	2008	0.13	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.159	101	3264	0.11	PPBV	#	92
22) ISOPROPYL ALCOHOL	2.188	45	3122	0.13	PPBV	#	76
23) ACETONE	2.110	58	1248m	0.19	PPBV		
24) PENTANE	2.271	42	1433m	0.12	PPBV		
25) IODOMETHANE	2.332	142	3029	0.11	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.361	96	1516	0.14	PPBV		79
27) CARBON DISULFIDE	2.493	76	3182	0.11	PPBV	#	63
28) ETHANOL	1.966	45	2393m	0.26	PPBV		
29) BROMOETHENE	2.033	106	1269	0.12	PPBV	#	84
30) ACRYLONITRILE	2.239	52	1573m	0.18	PPBV		
31) METHYLENE CHLORIDE	2.393	84	2203	0.21	PPBV		90
32) 3-CHLOROPROPENE	2.438	76	654	0.12	PPBV	#	87
33) FREON 113	2.490	151	1957	0.11	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.718	96	1459	0.13	PPBV		86
35) TERTIARY BUTYL ALCOHOL	2.397	59	3058	0.11	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	2.831	73	3948	0.11	PPBV	#	70
37) TETRAHYDROFURAN	3.538	72	560	0.10	PPBV	#	65
38) HEXANE	3.271	57	2759	0.13	PPBV		96
39) VINYL ACETATE	2.863	86	397	0.12	PPBV	#	83
40) 1,1-DICHLOROETHANE	2.789	63	2465	0.11	PPBV	#	86
41) METHYL ETHYL KETONE	2.966	72	741	0.12	PPBV	#	92
42) CIS-1,2-DICHLOROETHENE	3.146	96	1475	0.12	PPBV		91
43) DIISOPROPYL ETHER	3.287	59	769	0.13	PPBV		81
44) ETHYL ACETATE	3.297	61	485	0.11	PPBV		95
45) METHYL ACRYLATE	3.278	55	2955	0.12	PPBV	#	99
46) CHLOROFORM	3.297	83	2743	0.11	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.782	57	2893	0.12	PPBV		93
48) 1,1,1-TRICHLOROETHANE	3.863	97	2969	0.11	PPBV		97
49) CARBON TETRACHLORIDE	4.278	117	2520	0.09	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.699	62	2071	0.11	PPBV		96
51) BENZENE	4.175	78	4275	0.12	PPBV		97
53) CYCLOHEXANE	4.377	84	1762	0.11	PPBV	#	73
54) 2,3-DIMETHYLPENTANE	4.628	71	937	0.11	PPBV		75
55) TRICHLOROETHENE	5.059	95	1922	0.11	PPBV		93
56) 1,2-DICHLOROPROPANE	4.827	63	1621	0.11	PPBV		97
57) DIBROMOMETHANE	4.782	174	1996	0.13	PPBV		95
58) ETHYL ACRYLATE	4.959	55	3251	0.10	PPBV	#	88
59) BROMODICHLOROMETHANE	5.004	83	2919	0.10	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.159	57	7579	0.12	PPBV		94
61) 1,4-DIOXANE	5.175	88	1055m	0.10	PPBV		
62) HEPTANE	5.464	43	2843	0.12	PPBV		92
63) METHYL METHACRYLATE	5.371	69	1757	0.12	PPBV		96
64) METHYL ISOBUTYL KETONE	6.130	58	1493	0.11	PPBV		81
65) CIS-1,3-DICHLOROPROPENE	5.988	75	2419	0.10	PPBV		81
66) TOLUENE	7.181	91	5488	0.12	PPBV		100
67) 1,3-DICHLOROPROPANE	7.242	76	2335	0.10	PPBV		94
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	2255	0.10	PPBV	#	73
69) 1,1,2-TRICHLOROETHANE	6.818	83	1420	0.11	PPBV		98
70) 2-HEXANONE	7.802	58	2003	0.09	PPBV		97
71) ETHYL METHACRYLATE	7.901	69	2835	0.11	PPBV		93
72) TETRACHLOROETHENE	8.914	164	2049	0.11	PPBV		96
73) DIBROMOCHLOROMETHANE	7.724	129	2795	0.10	PPBV		98
74) 1,2-DIBROMOETHANE	8.046	107	2657	0.11	PPBV	#	100
75) OCTANE	9.056	43	3709	0.11	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	10.113	131	2293	0.11	PPBV		99
78) CHLOROBENZENE	10.100	112	3912	0.10	PPBV		94
79) ETHYLBENZENE	10.991	91	7070	0.12	PPBV		99
80) M,P-XYLENE	11.377	91	11272	0.23	PPBV		99
81) O-XYLENE	12.335	91	5714	0.12	PPBV		86
82) STYRENE	12.133	104	3697	0.10	PPBV		97
83) NONANE	13.457	43	3560	0.11	PPBV		93
84) BROMOFORM	11.226	173	2476	0.10	PPBV	#	92
85) 1,1,2,2-TETRACHLOROETHANE	12.354	83	3566	0.11	PPBV		94
86) 1,2,3-TRICHLOROPROPANE	12.650	75	2613	0.10	PPBV	#	99
88) ISOPROPYLBENZENE	13.853	120	1951	0.10	PPBV	#	75
89) BROMOBENZENE	13.724	77	3729	0.11	PPBV		94
90) 2-CHLOROTOLUENE	14.849	126	1777	0.10	PPBV		96
91) N-PROPYLBENZENE	15.200	120	1935	0.10	PPBV	#	79
92) 4-ETHYLTOLUENE	15.637	105	7213	0.10	PPBV	#	98
93) 1,3,5-TRIMETHYLBENZENE	15.911	105	6007	0.10	PPBV		95
94) ALPHA-METHYLSTYRENE	16.216	118	2749	0.09	PPBV		95
95) TERT-BUTYLBENZENE	16.528	134	1442	0.10	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.531	105	6050	0.10	PPBV		99
97) BENZYL CHLORIDE	16.624	91	4378	0.08	PPBV		98
98) M-DICHLOROBENZENE	16.599	146	3860	0.09	PPBV		98
99) P-DICHLOROBENZENE	16.689	146	4056	0.10	PPBV		98
100) O-DICHLOROBENZENE	17.010	146	3850	0.10	PPBV		97
101) SEC-BUTYLBENZENE	16.840	134	1712	0.10	PPBV		85
102) 1,2,3-TRIMETHYLBENZENE	16.956	105	5886	0.10	PPBV		98
103) P-ISOPROPYLTOLUENE	17.033	134	1960	0.10	PPBV		100
104) N-BUTYLBENZENE	17.393	134	1820	0.09	PPBV		93
105) HEXACHLOROETHANE	17.573	117	2186	0.09	PPBV		96
106) HEXACHLOROBUTADIENE	18.631	225	2717	0.10	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	18.322	180	2419	0.07	PPBV		96
108) NAPHTHALENE	18.370	128	5107	0.07	PPBV		97
110) TVHC as equiv Pentane	2.271	TIC	6736m	0.12	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

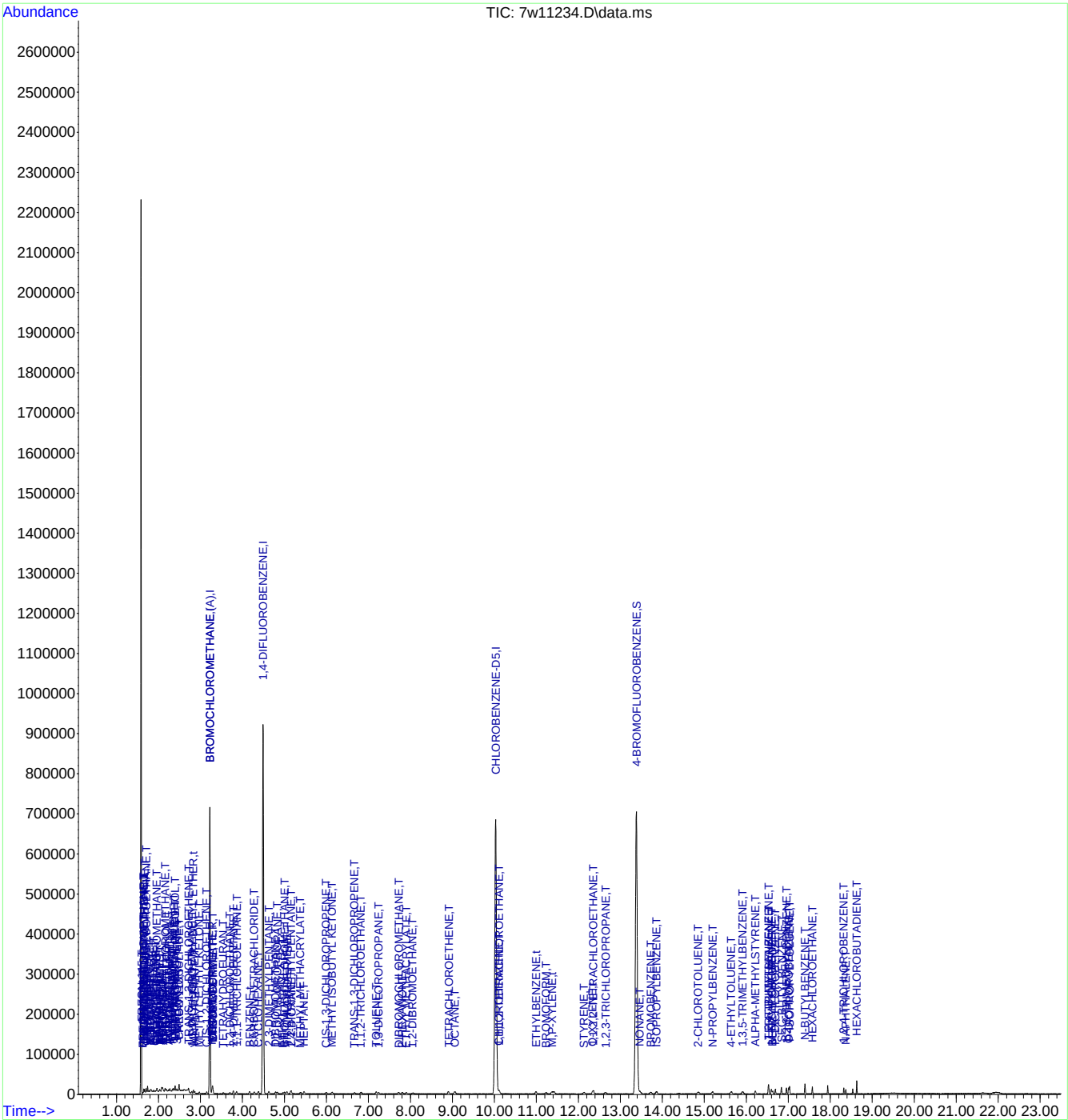
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration



Manual Integration Approval Summary

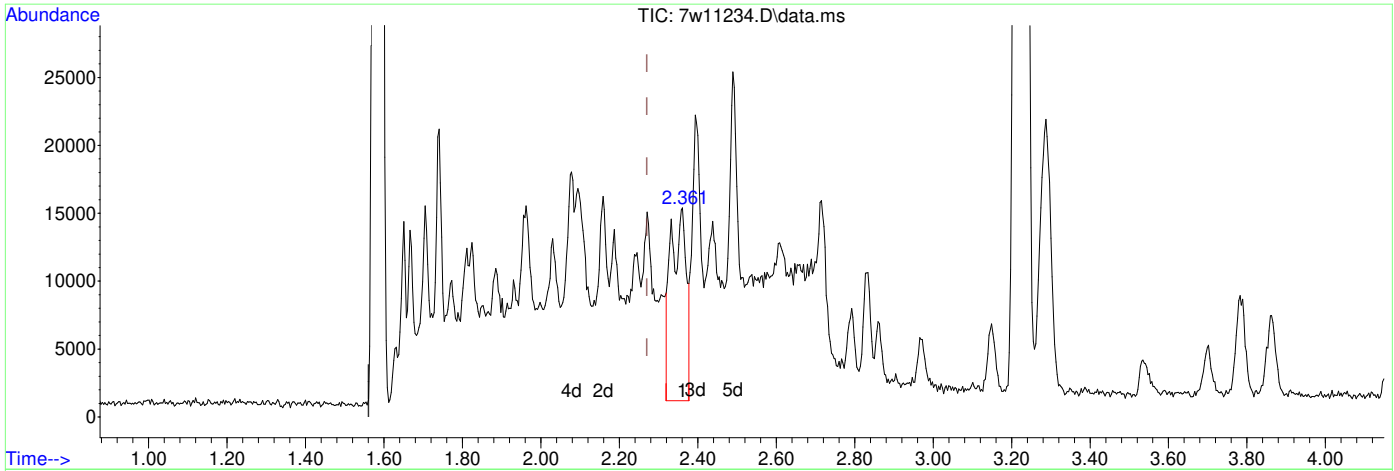
Sample Number: V7W405-IC405 **Method:** TO-15
Lab FileID: 7W11234.D **Analyst approved:** 12/30/24 00:11 Kanya Veerawat
Injection Time: 12/28/24 09:53 **Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Propylene	115-07-1		1.65	Missed peak
Chloromethane	74-87-3		1.71	Poor instrument integration
n-Butane	106-97-8		1.83	Poor instrument integration
Ethanol	64-17-5		1.97	Poor instrument integration
Acrolein	107-02-8		2.07	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.11	Poor instrument integration
Acrylonitrile	107-13-1		2.24	Poor instrument integration
Pentane	109-66-0		2.27	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
1,4-Dioxane	123-91-1		5.17	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration



TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.361min (+0.090) 0.68PPBV

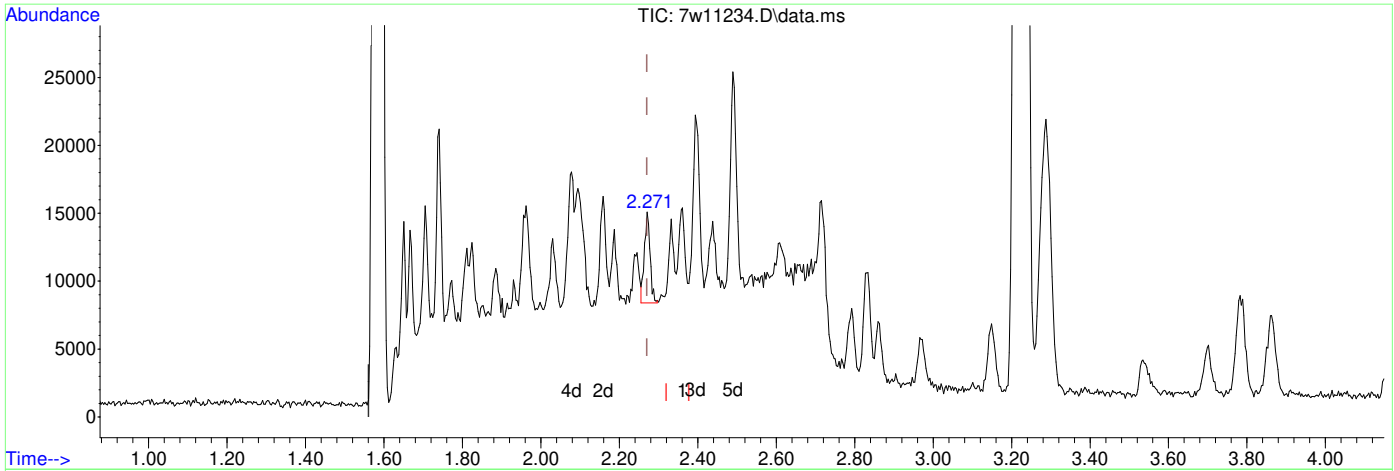
response 38161

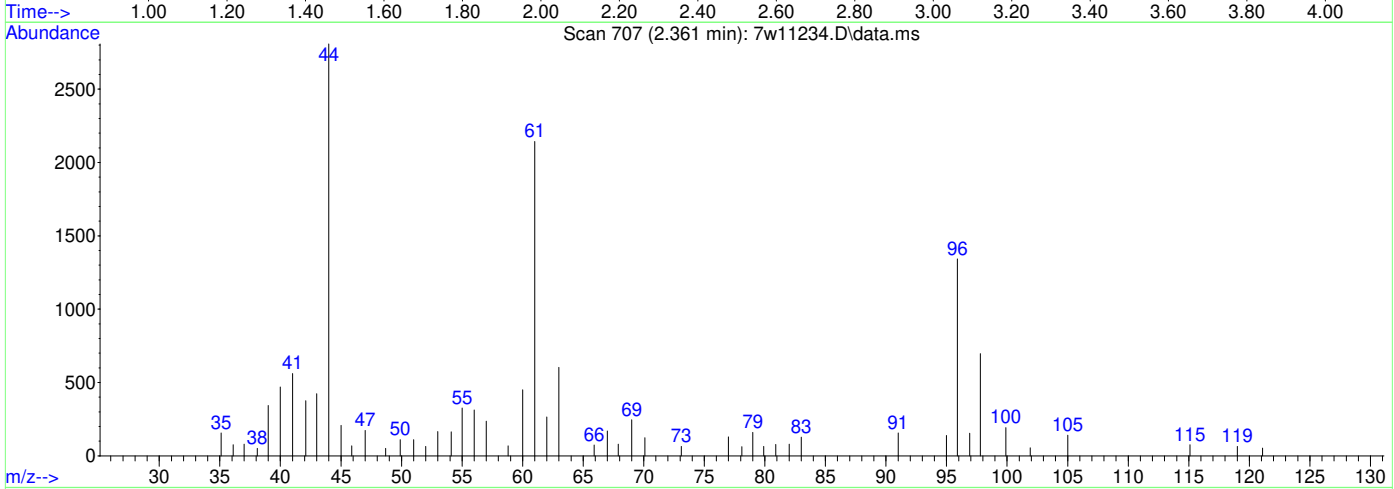
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.12PPBV m

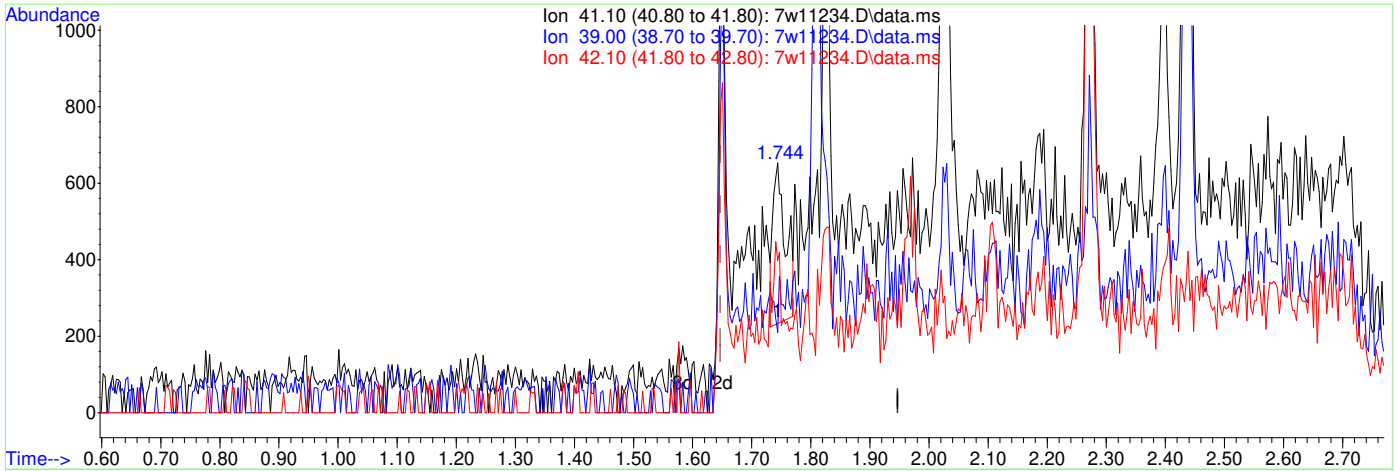
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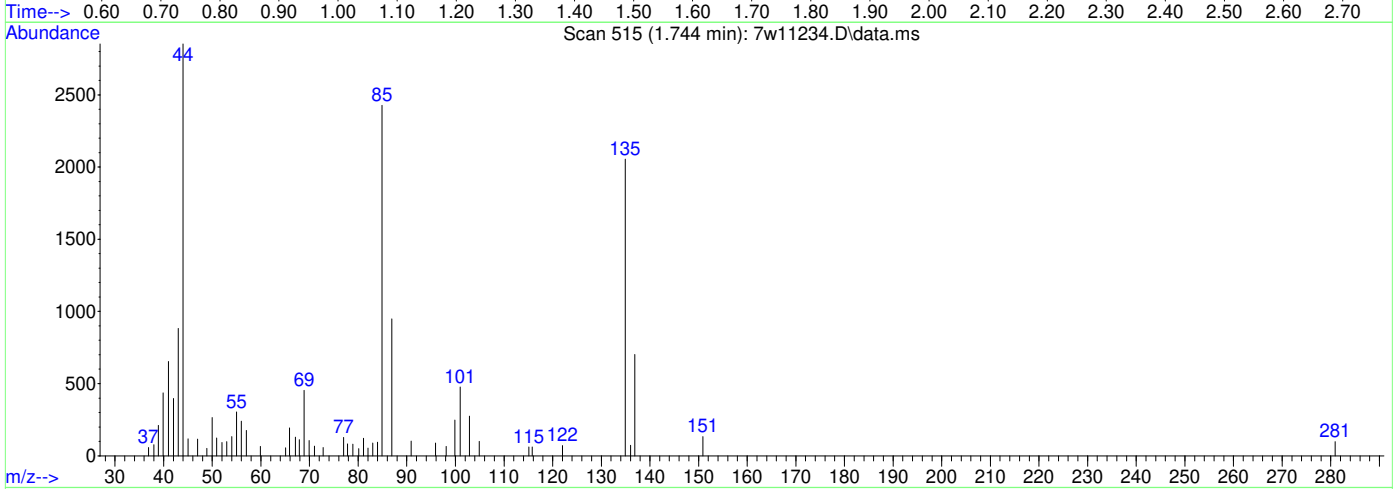
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.744min (+0.097) 0.08PPBV

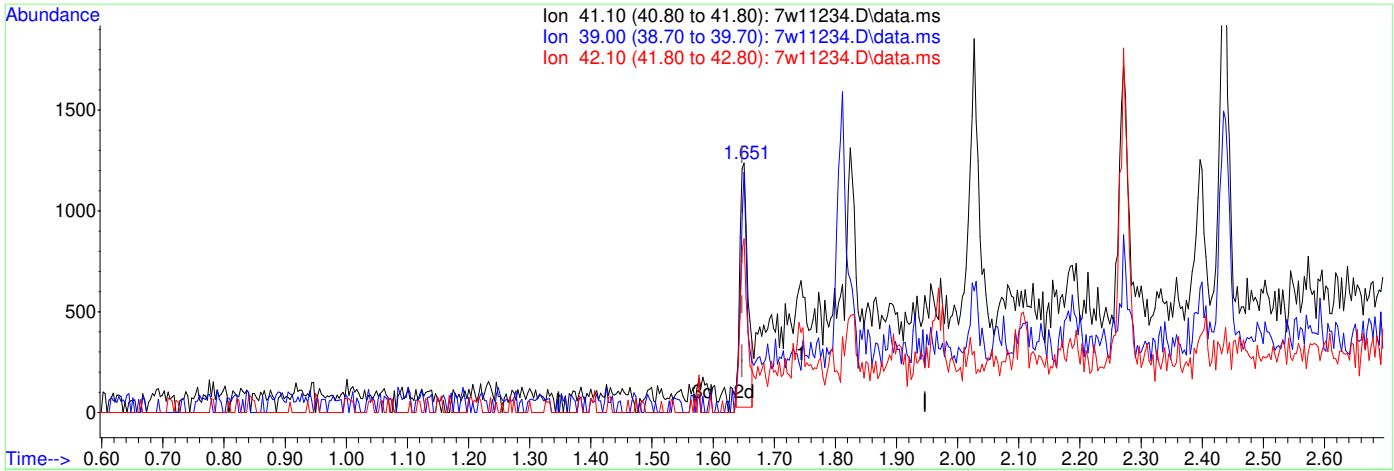
response 624

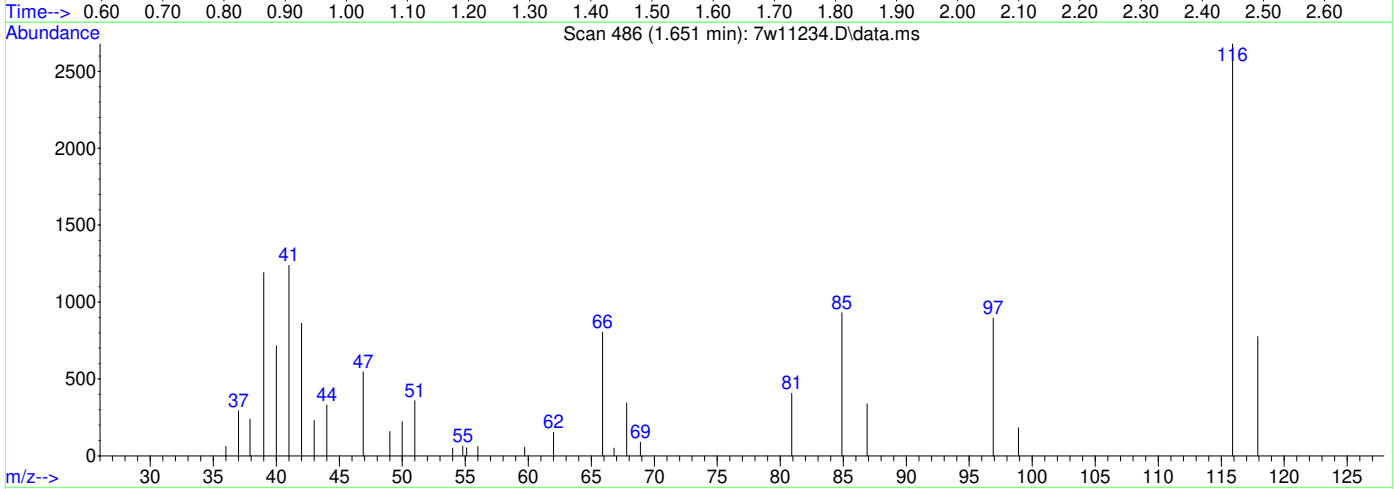
Ion	Exp%	Act%
41.10	100	100
39.00	75.60	60.74
42.10	66.60	82.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.651min (+0.004) 0.13PPBV m

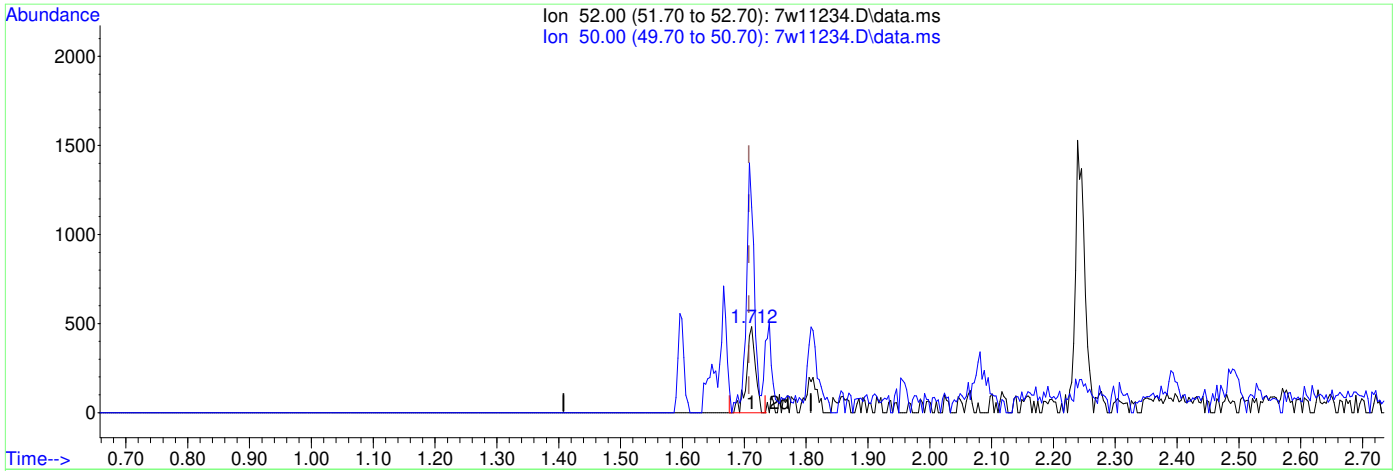
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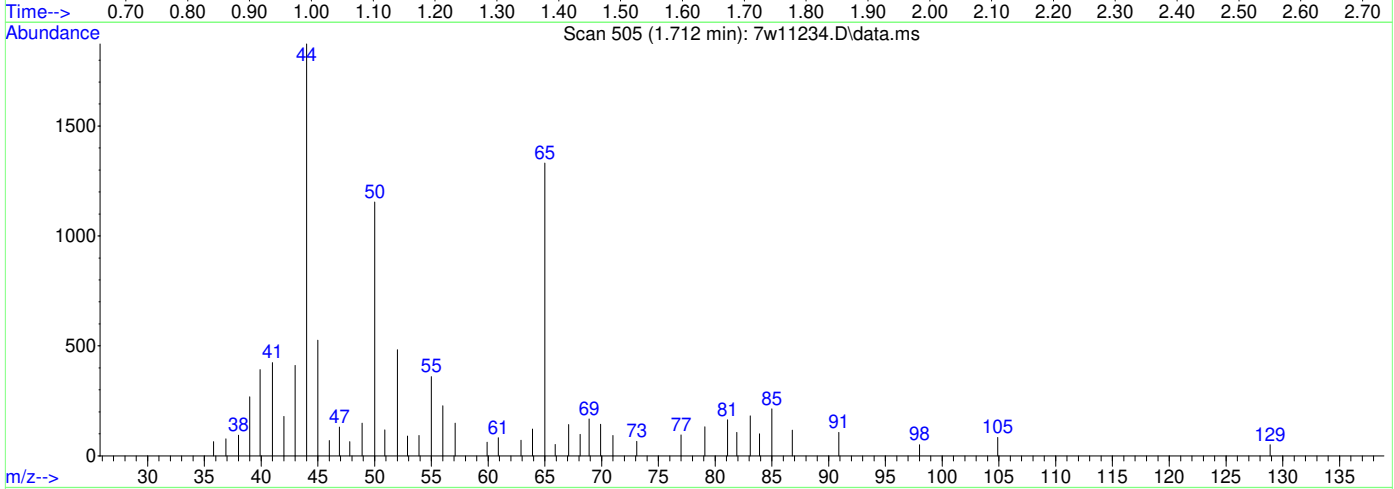
Ion	Exp%	Act%
41.10	100	100
39.00	75.60	34.74#
42.10	66.60	47.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.15PPBV

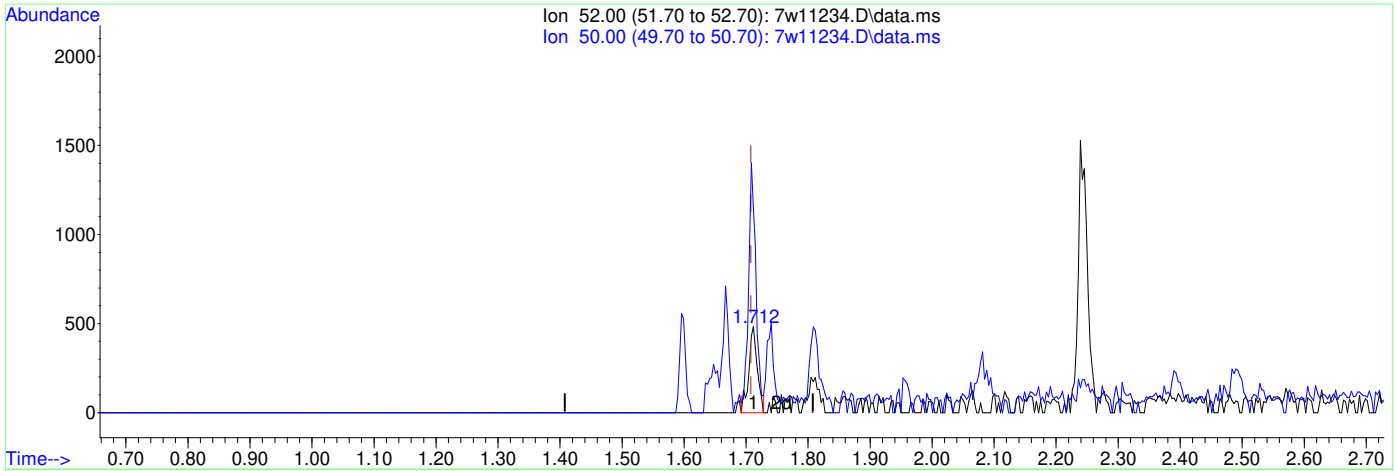
response 478

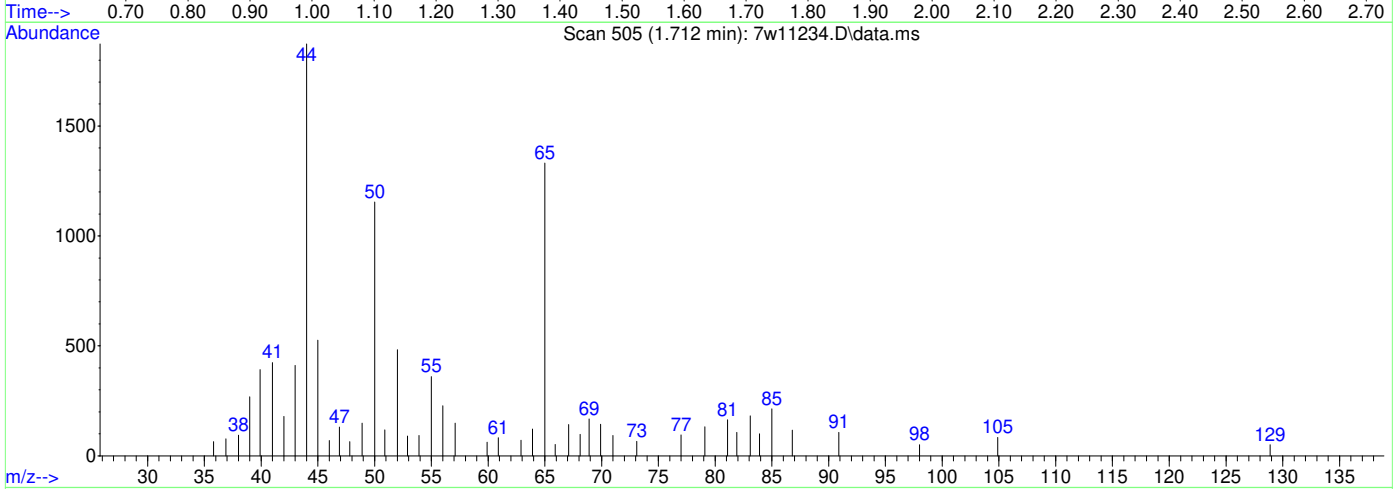
Ion	Exp%	Act%
52.00	100	100
50.00	314.50	235.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.14PPBV m

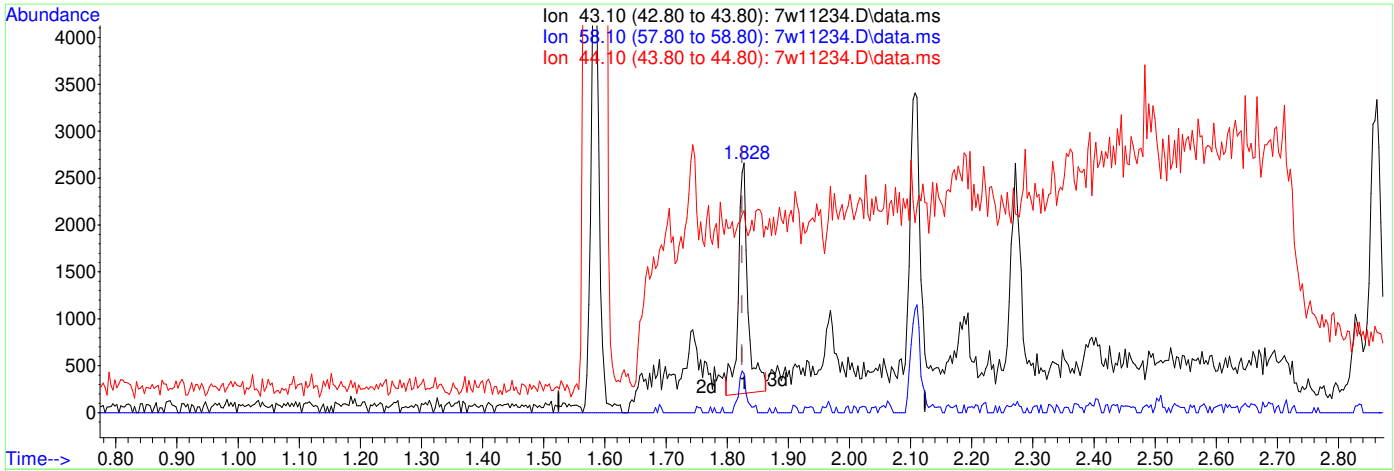
response 455

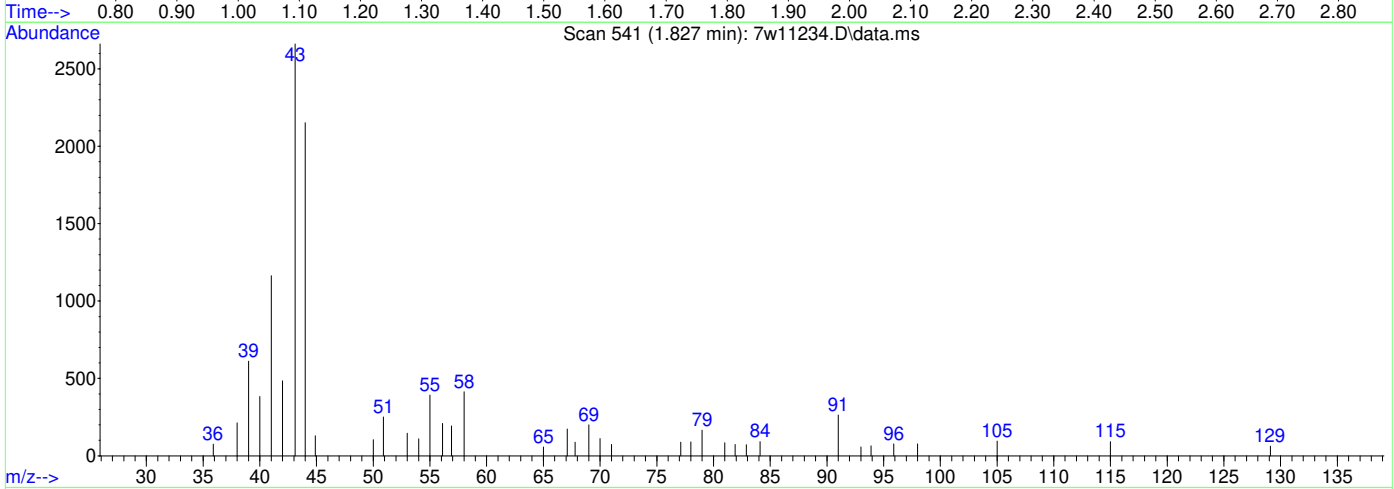
Ion	Exp%	Act%
52.00	100	100
50.00	314.50	247.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.16PPBV

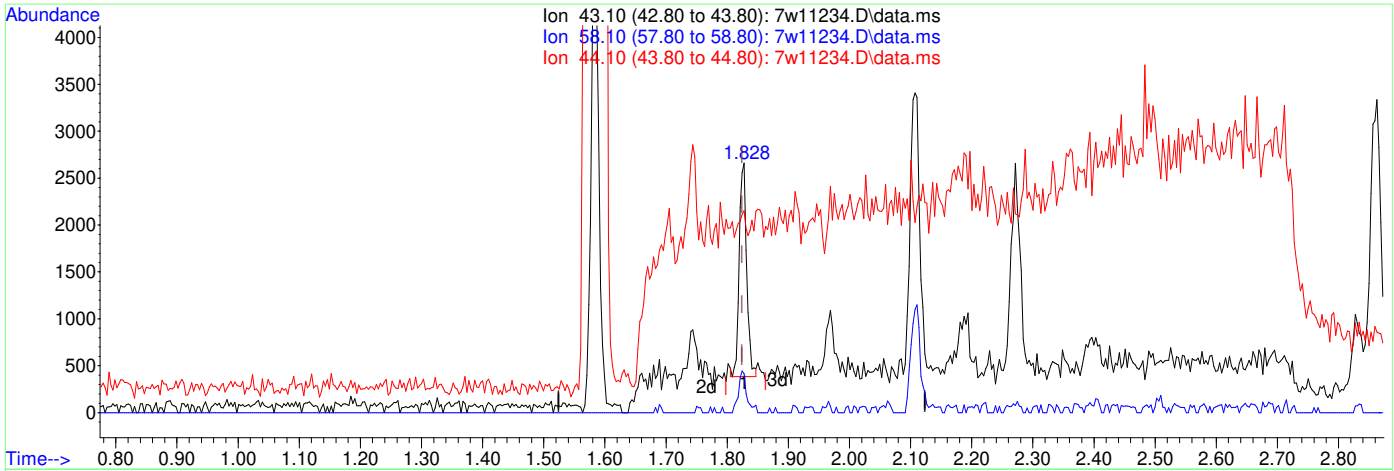
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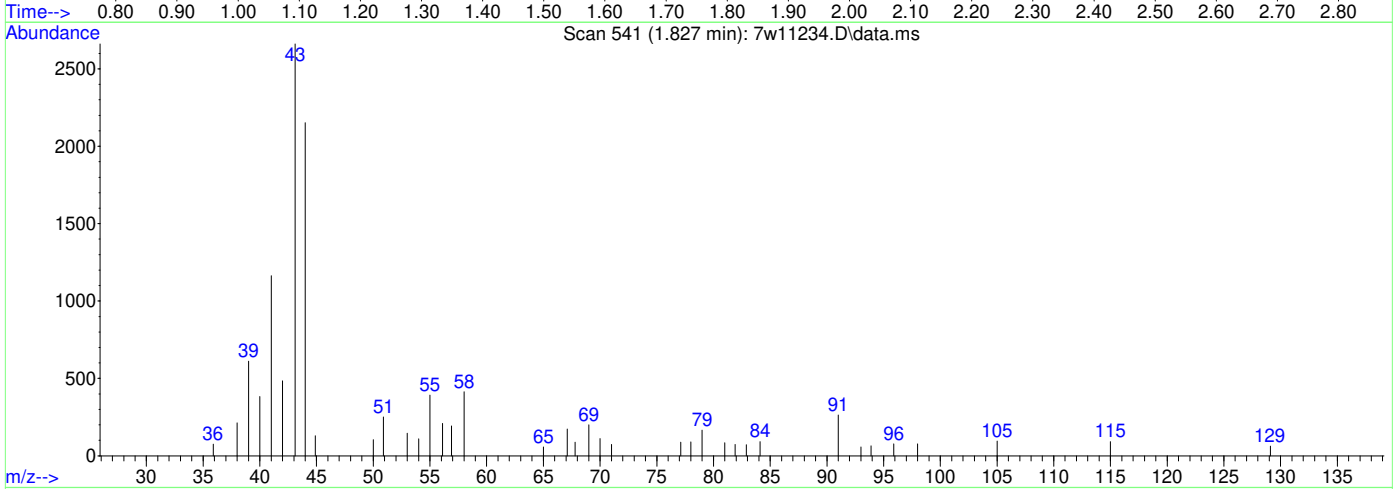
Ion	Exp%	Act%
43.10	100	100
58.10	14.80	15.67
44.10	4.30	58.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.12PPBV m

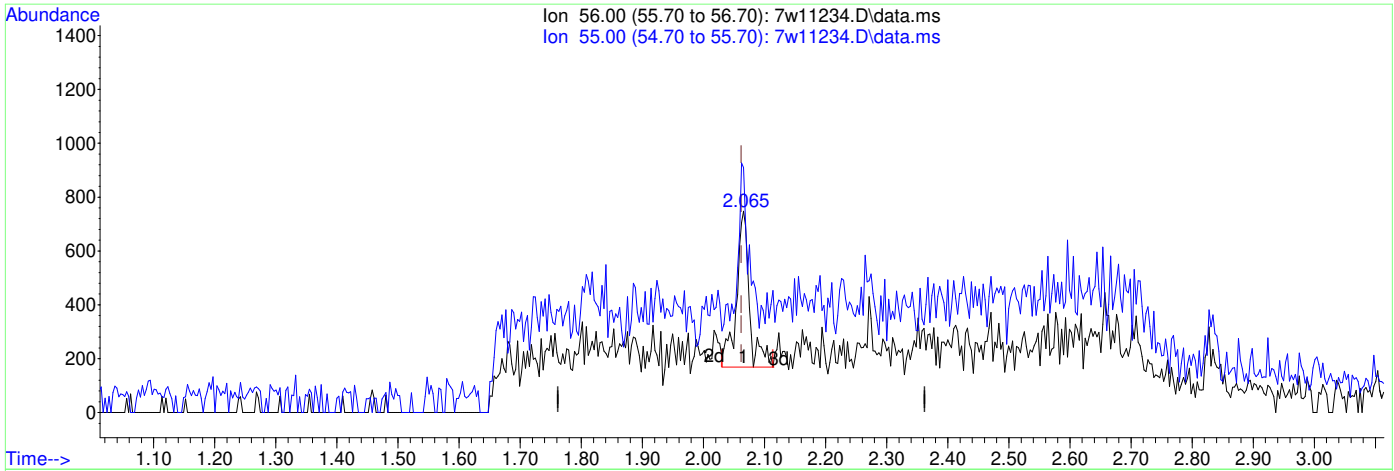
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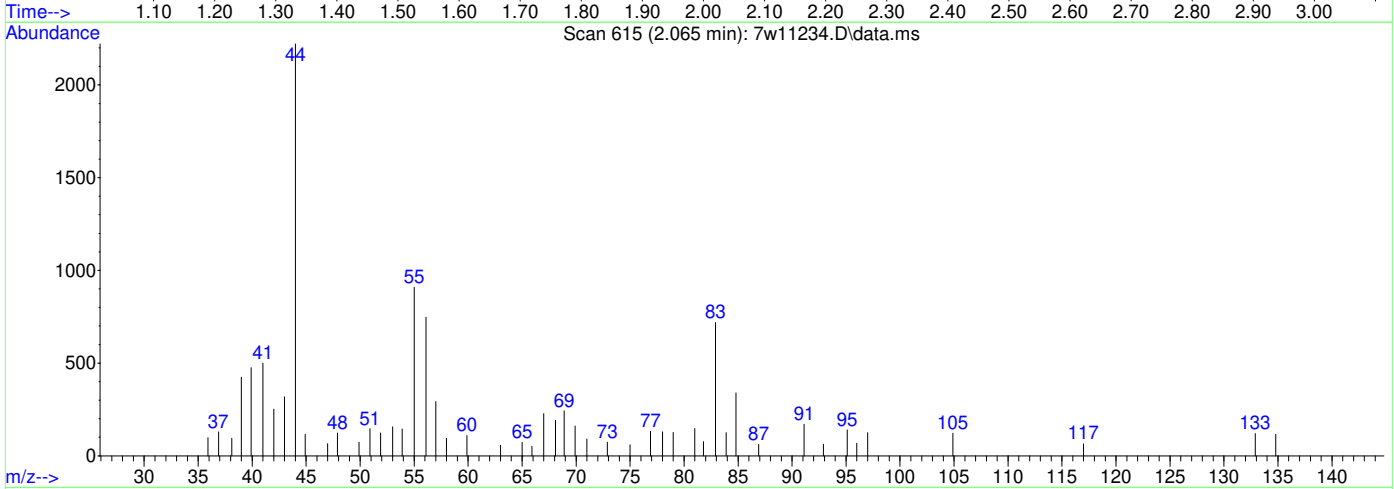
Ion	Exp%	Act%
43.10	100	100
58.10	14.80	21.93#
44.10	4.30	81.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.16PPBV

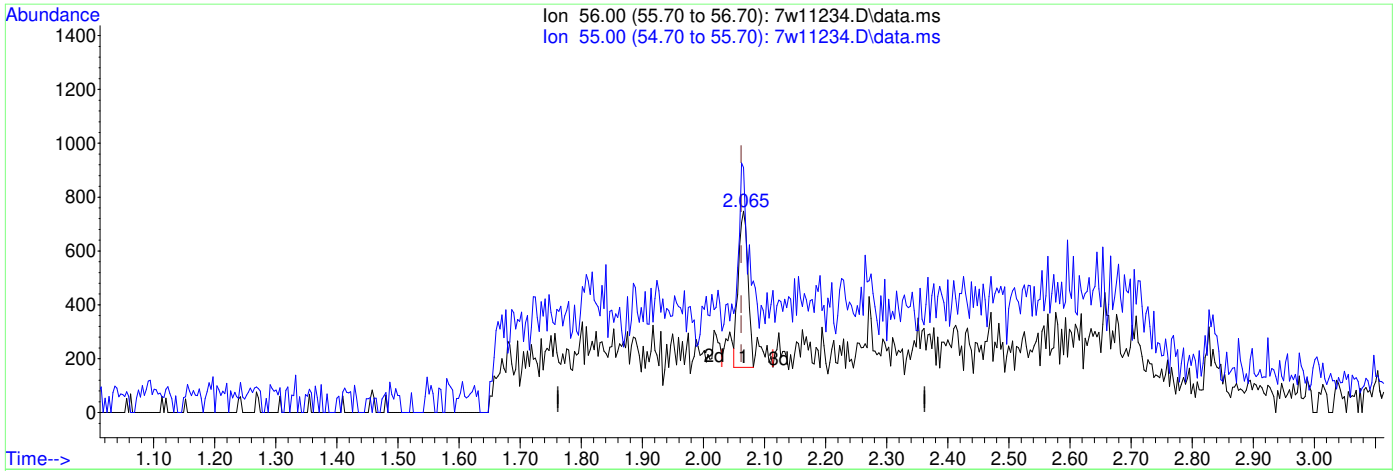
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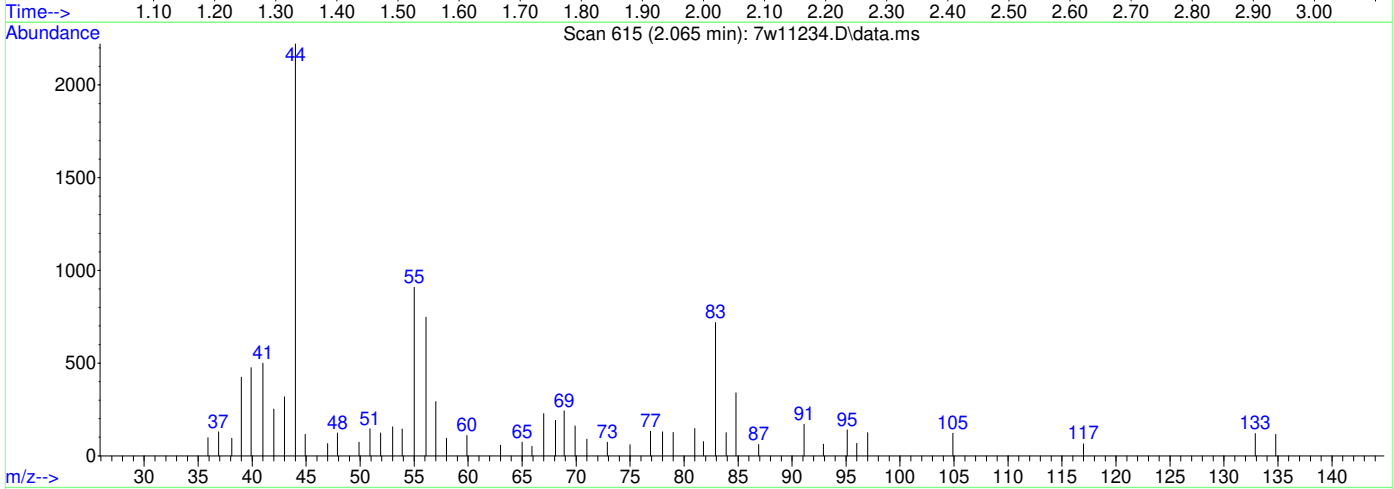
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	99.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.12PPBV m

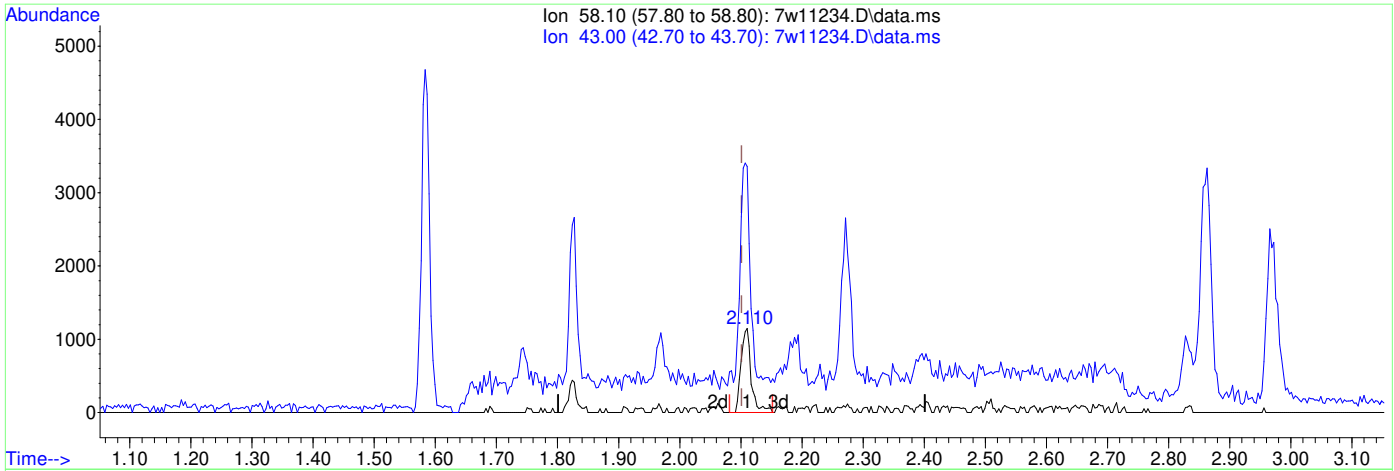
response 638

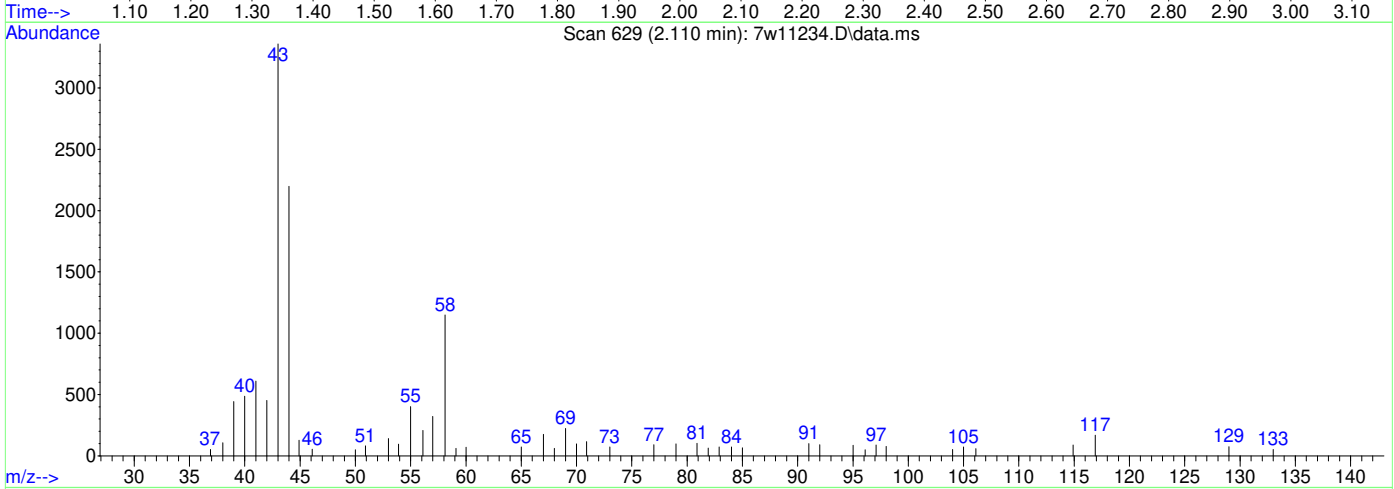
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	132.92#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.20PPBV

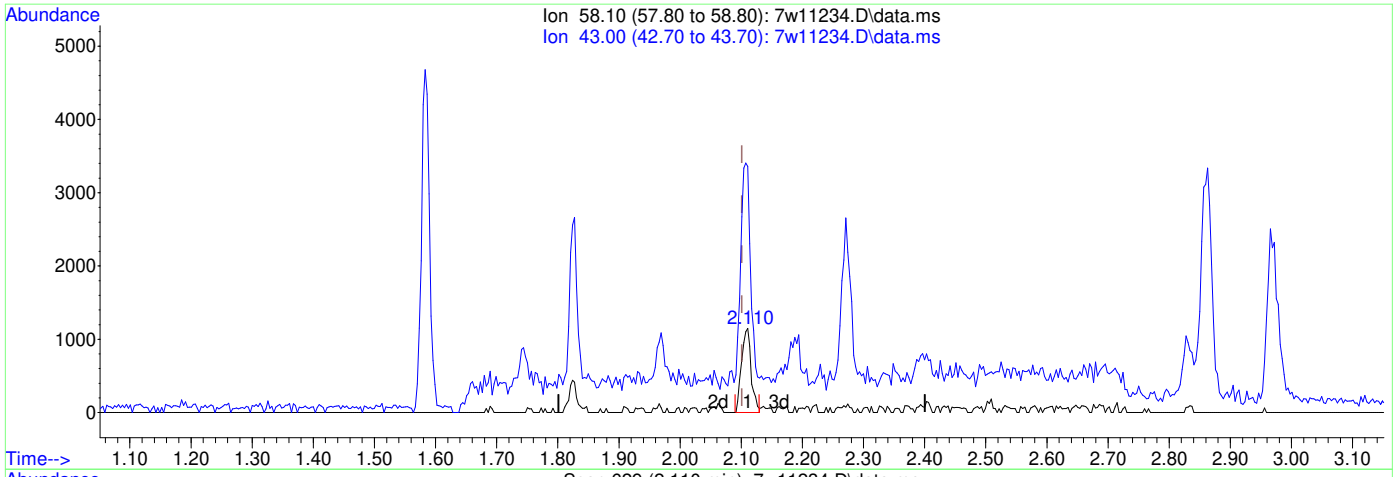
response 1323

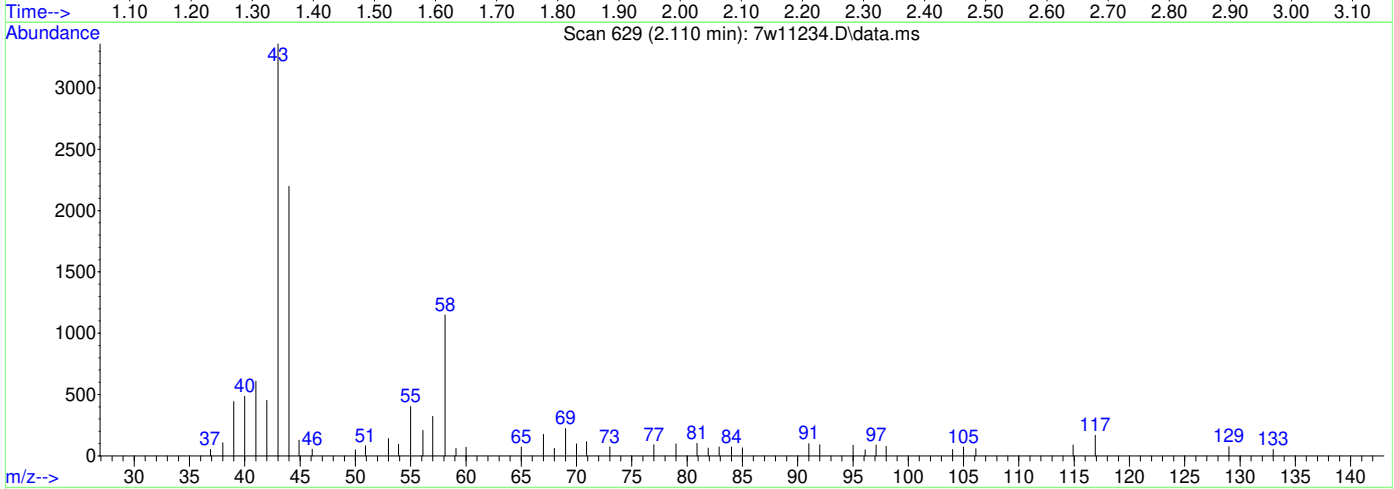
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	261.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.19PPBV m

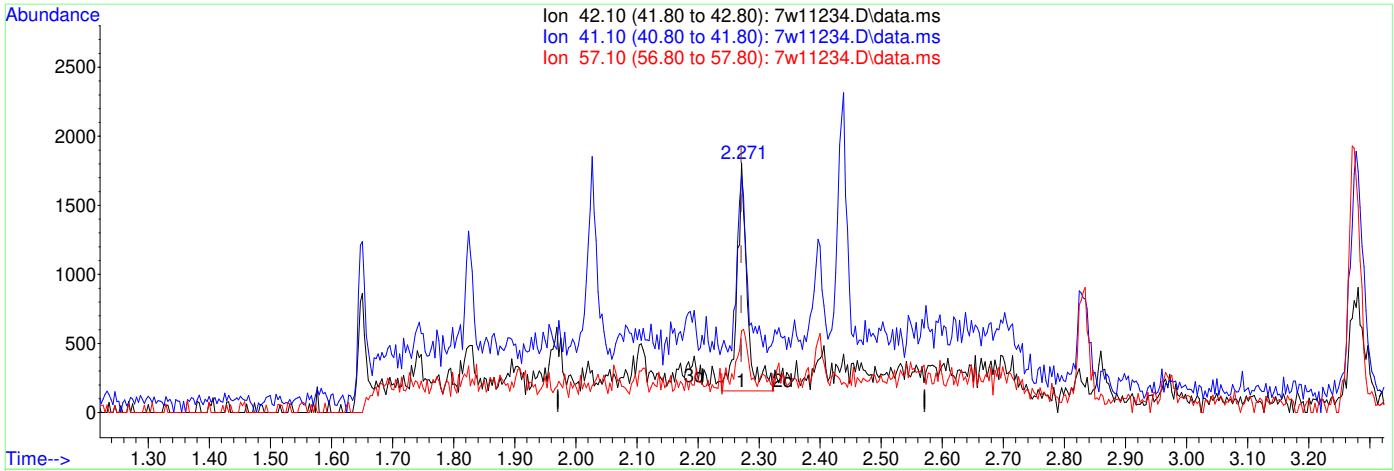
response 1248

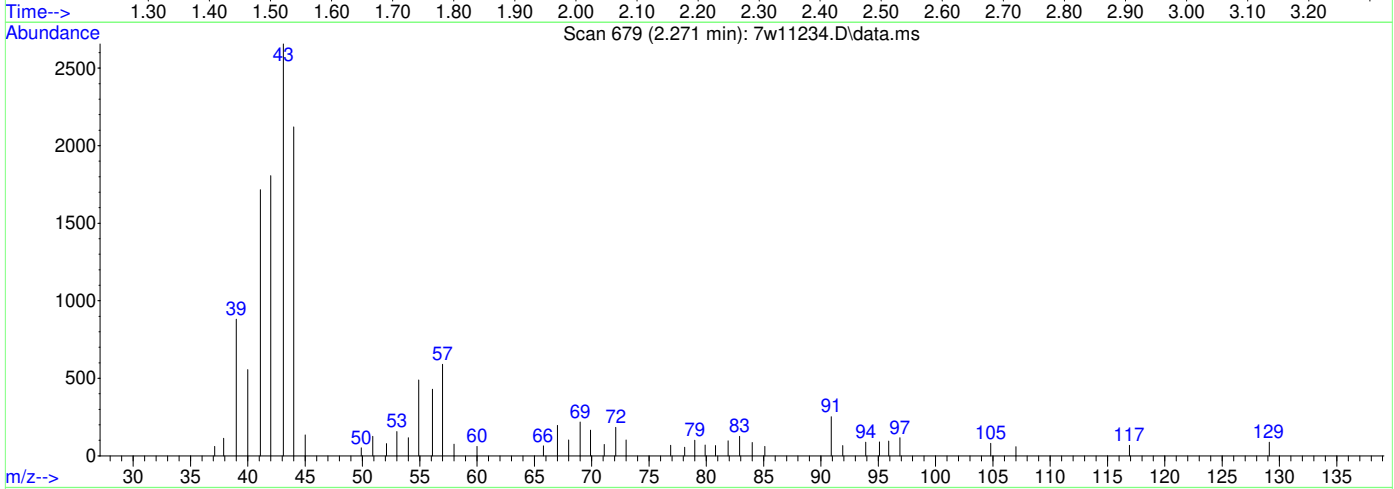
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	277.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.17PPBV

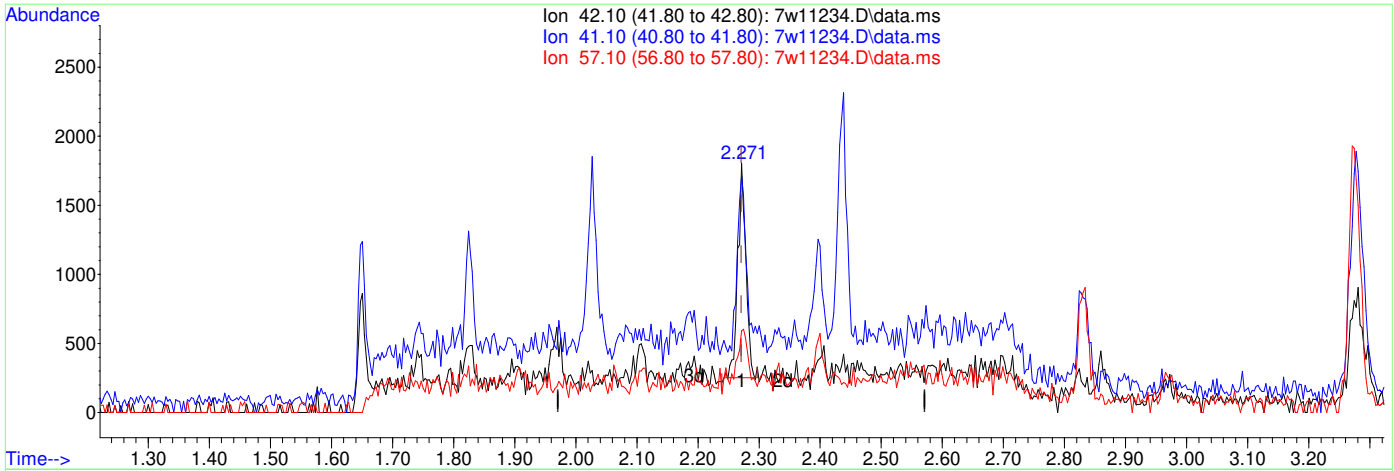
response 1928

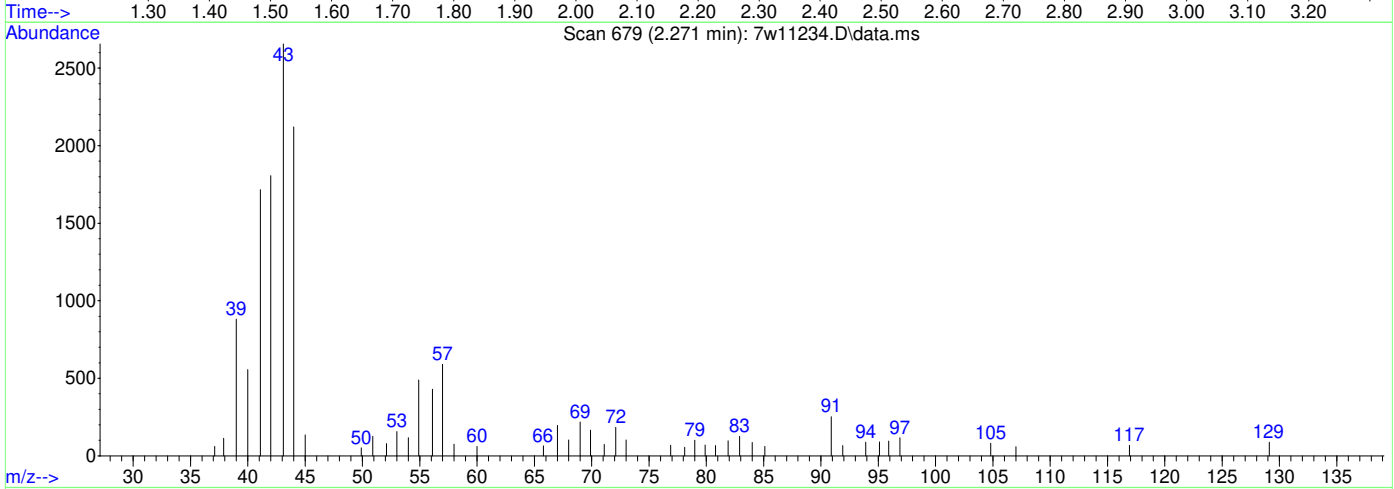
Ion	Exp%	Act%
42.10	100	100
41.10	92.50	84.23
57.10	28.20	33.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.12PPBV m

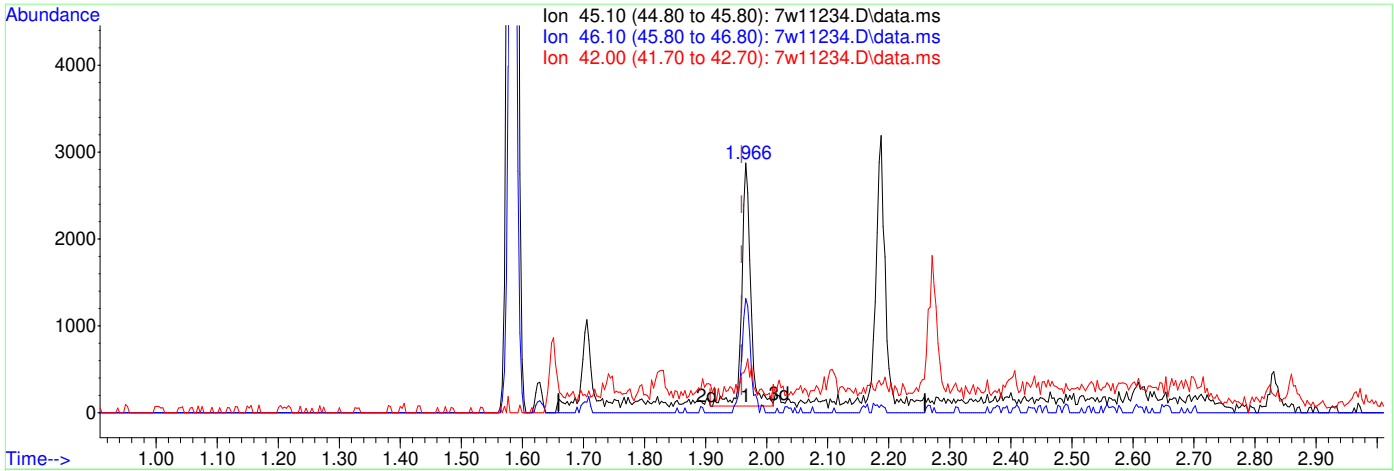
response 1433

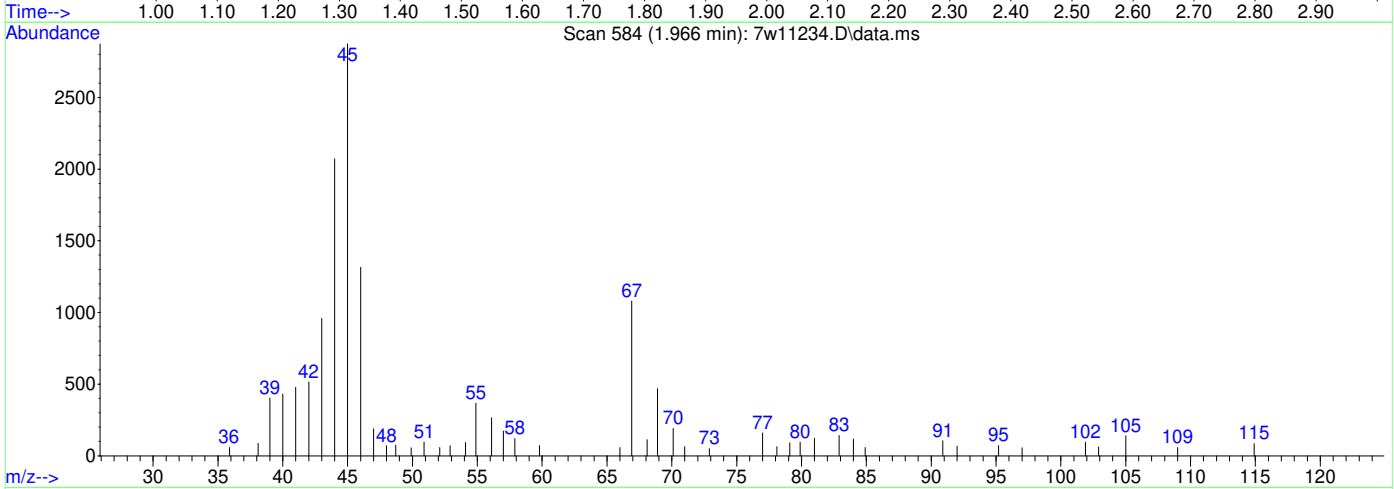
Ion	Exp%	Act%
42.10	100	100
41.10	92.50	113.33
57.10	28.20	45.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.31PPBV

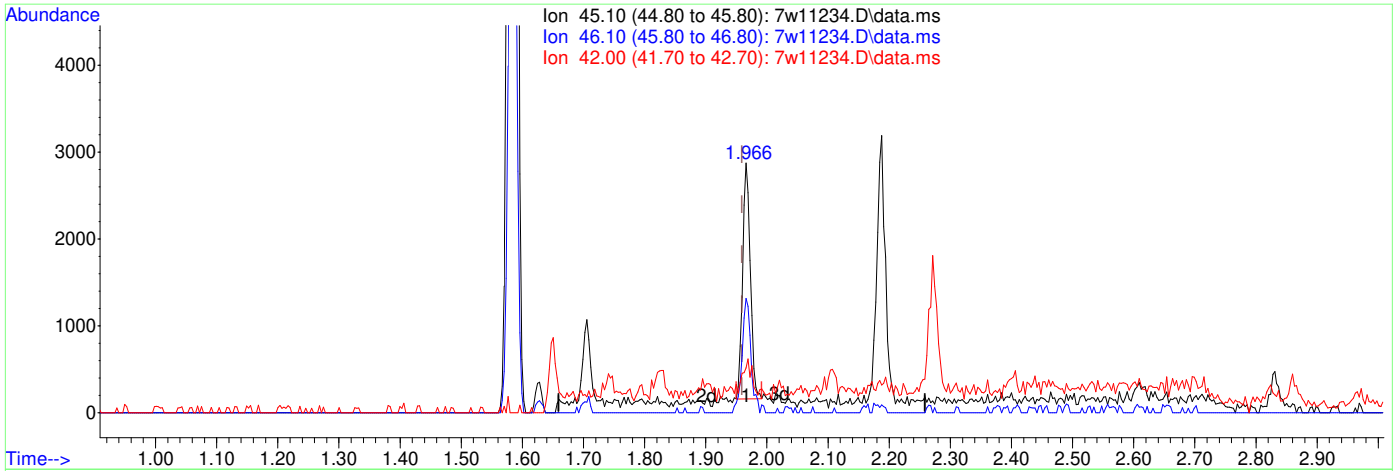
response 2854

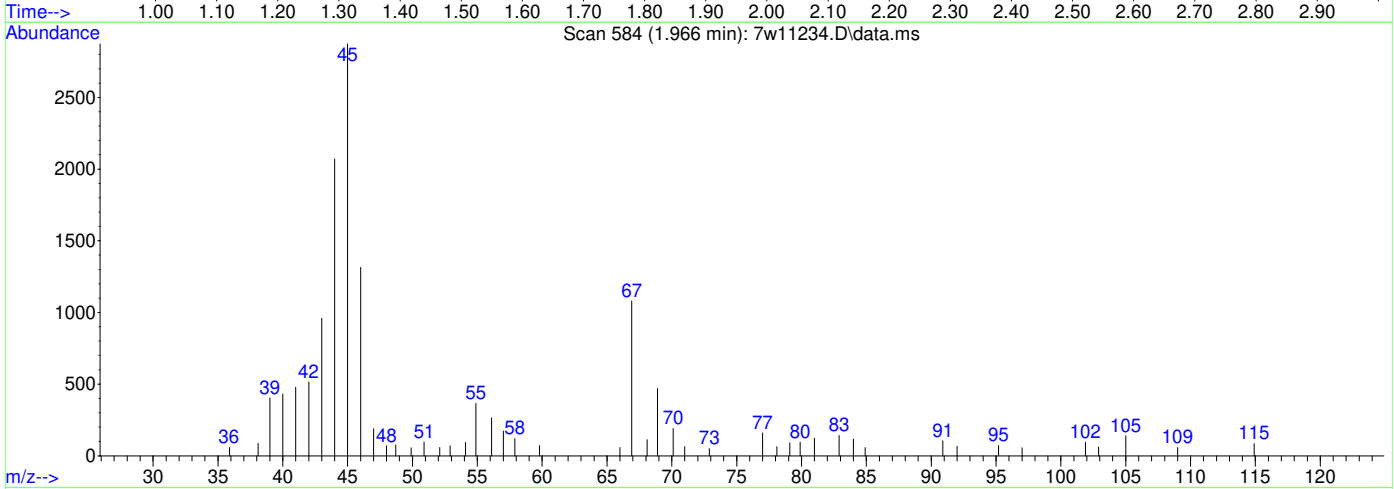
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	47.62
42.00	9.00	24.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.26PPBV m

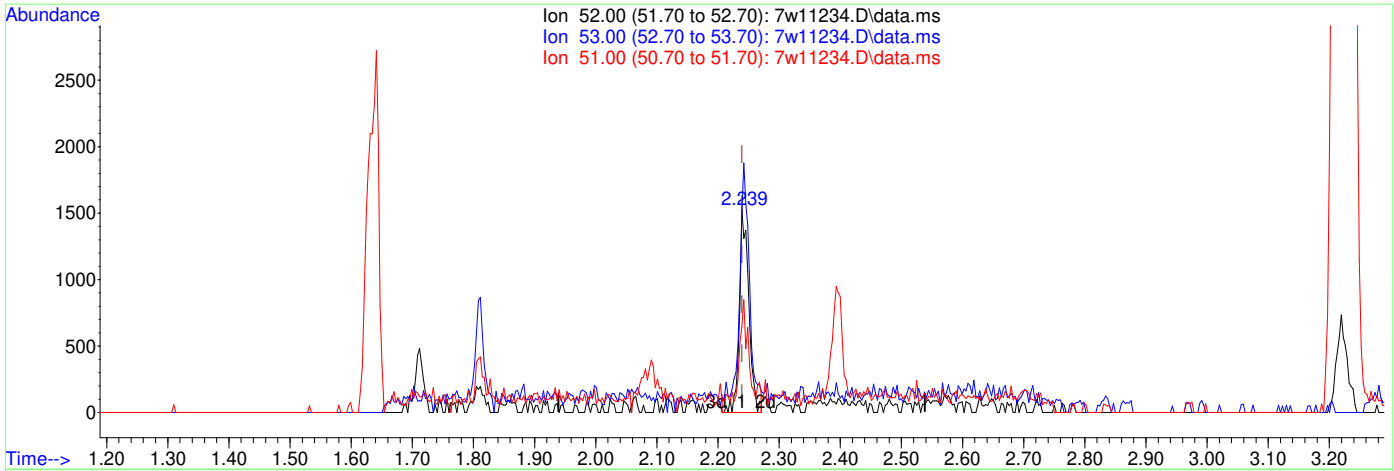
response 2393

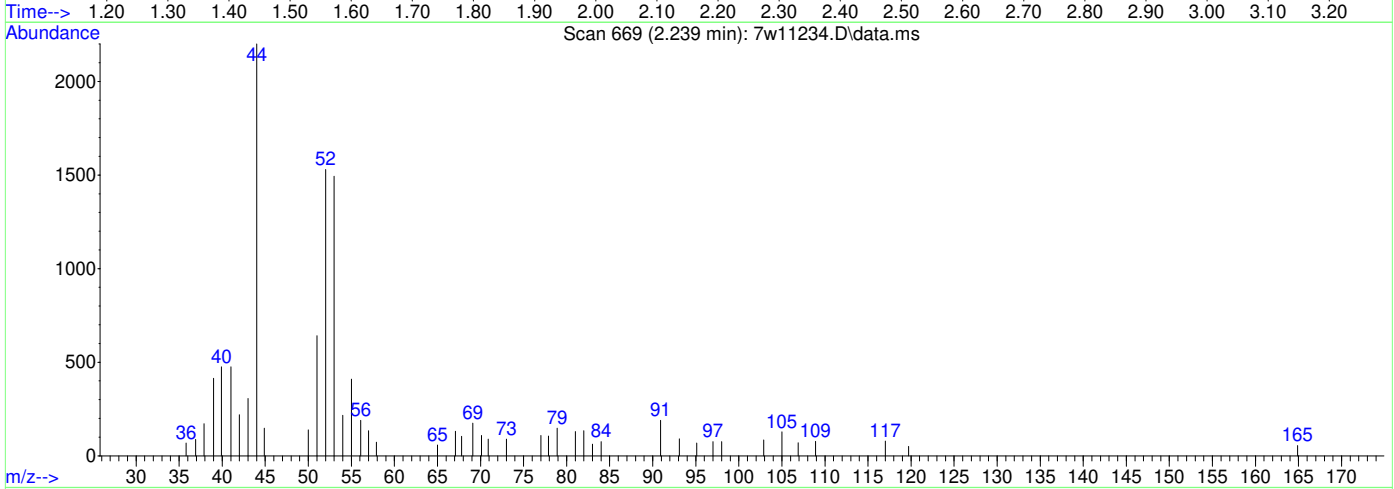
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	56.79#
42.00	9.00	28.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV

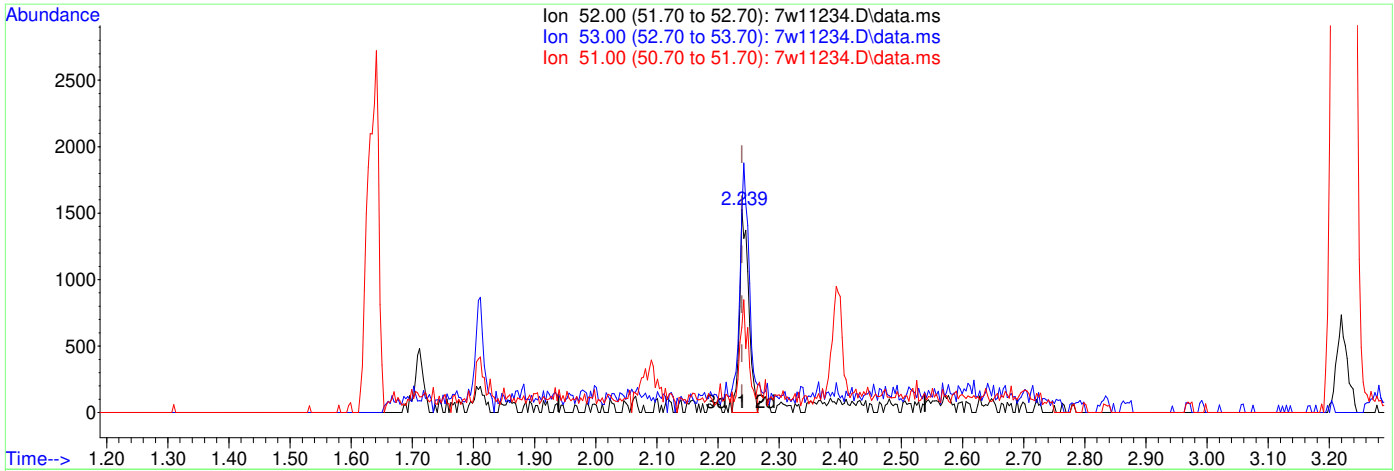
response 1634

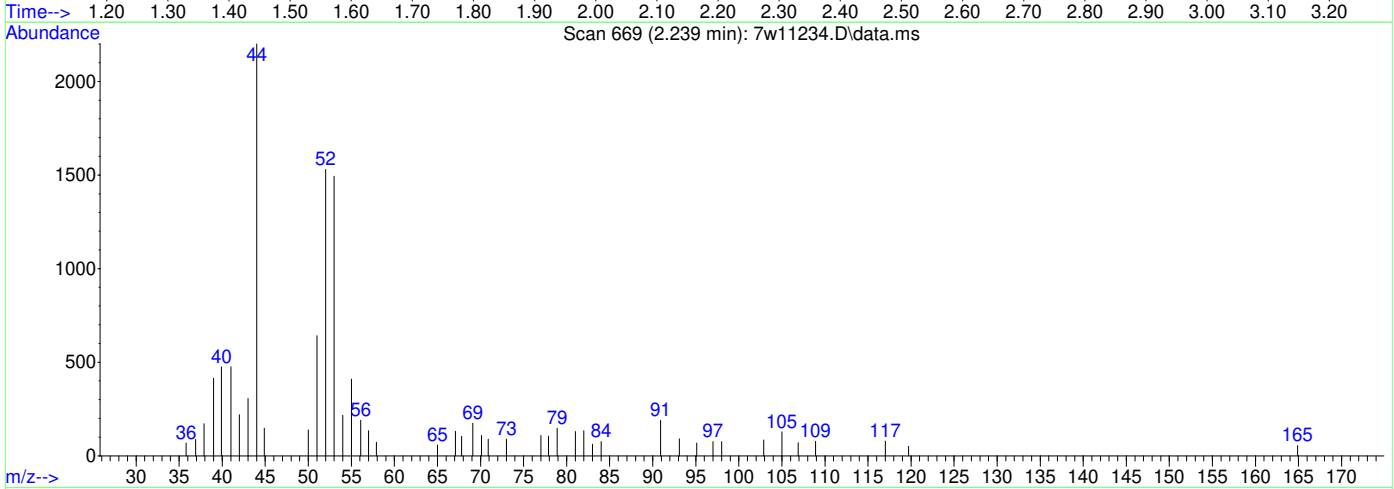
Ion	Exp%	Act%
52.00	100	100
53.00	121.70	128.40
51.00	46.00	60.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV m

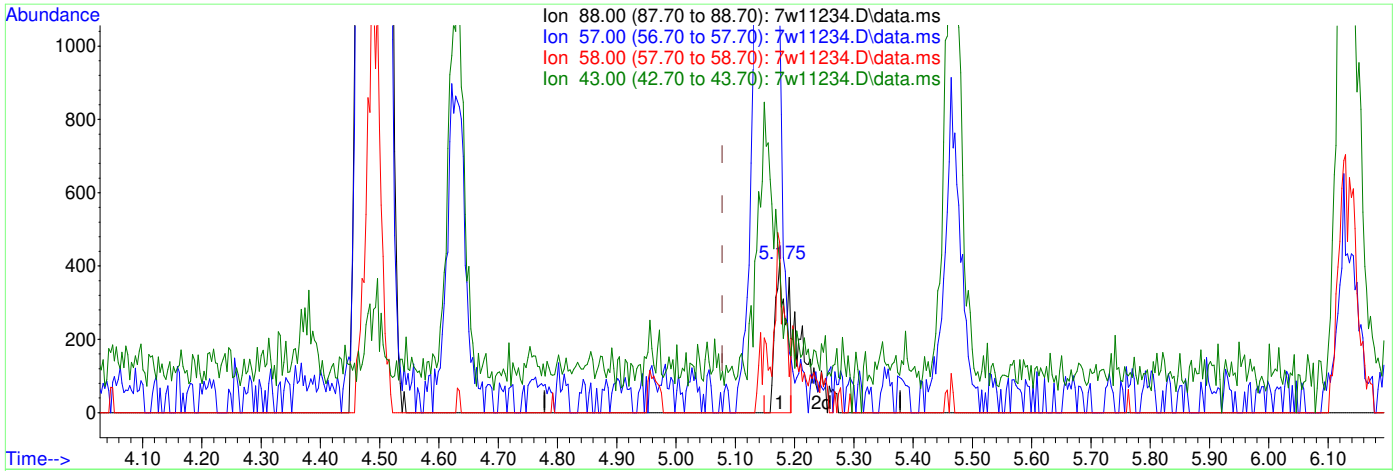
response 1573

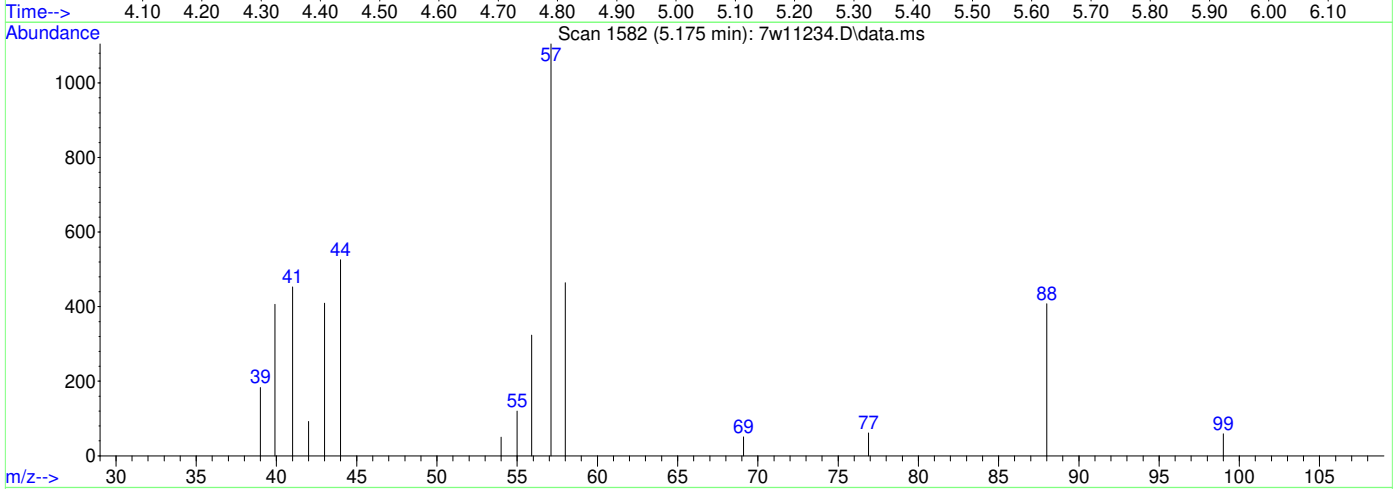
Ion	Exp%	Act%
52.00	100	100
53.00	121.70	133.38
51.00	46.00	62.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.06PPBV

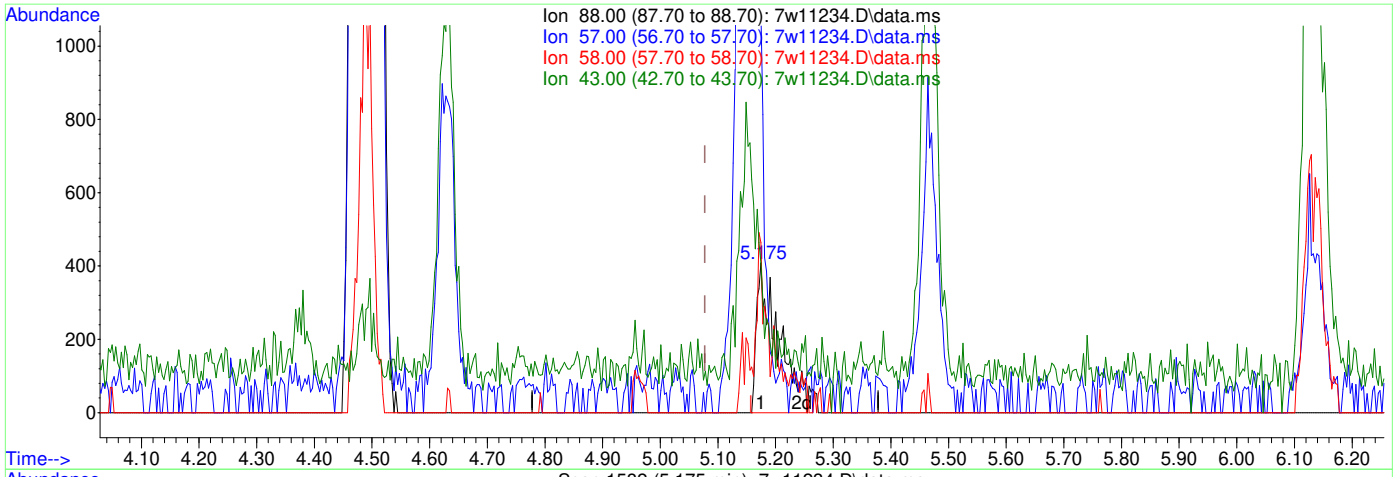
response 578

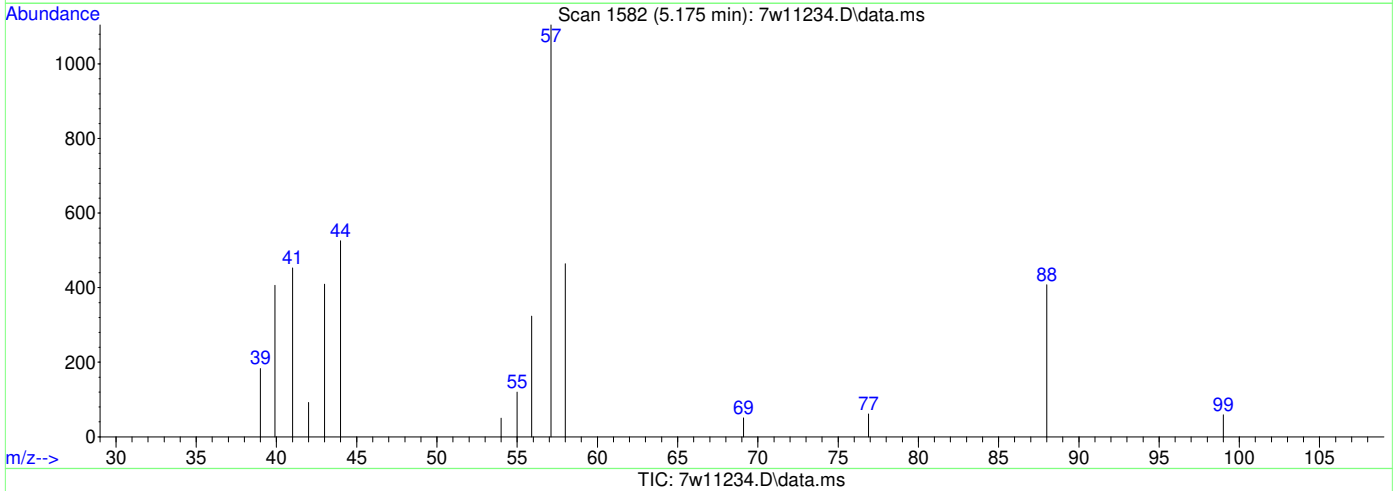
Ion	Exp%	Act%
88.00	100	100
57.00	21.40	1311.25#
58.00	71.40	125.43#
43.00	28.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.10PPBV m

response 1055

Ion	Exp%	Act%
88.00	100	100
57.00	21.40	718.39#
58.00	71.40	68.72
43.00	28.80	0.00#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	135376	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	684640	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	633519	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	135376	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	453874	9.81	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	3166	0.30	PPBV		96
3) FREON 152A	1.625	65	1416	0.21	PPBV		98
4) CHLORODIFLUOROMETHANE	1.638	67	685	0.21	PPBV		87
5) CHLOROTRIFLUOROETHENE	1.647	116	3459	0.22	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.667	85	7449	0.22	PPBV		99
7) PROPYLENE	1.647	41	1987	0.24	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	5376	0.22	PPBV	#	86
9) FREON 114	1.737	85	5911	0.22	PPBV		97
10) CHLOROMETHANE	1.712	52	727	0.23	PPBV		87
11) VINYL CHLORIDE	1.769	62	2419	0.21	PPBV		94
12) 1,3-BUTADIENE	1.808	54	2115	0.24	PPBV		88
13) N-BUTANE	1.824	43	3862	0.24	PPBV	#	82
14) BROMOMETHANE	1.885	94	2081	0.21	PPBV	#	89
15) CHLOROETHANE	1.930	64	1245	0.21	PPBV	#	76
16) DICHLOROFLUOROMETHANE	1.956	67	5342	0.22	PPBV		99
17) ACETONITRILE	2.030	41	2440m	0.24	PPBV		
18) ACROLEIN	2.068	56	1350	0.25	PPBV		100
19) FREON 123	2.075	83	5377	0.21	PPBV		97
20) FREON 123A	2.091	117	3608	0.23	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.155	101	6612	0.22	PPBV	#	98
22) ISOPROPYL ALCOHOL	2.204	45	6071	0.26	PPBV		97
23) ACETONE	2.120	58	2022m	0.33	PPBV		
24) PENTANE	2.271	42	2647	0.23	PPBV		89
25) IODOMETHANE	2.332	142	6124	0.22	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.358	96	2396	0.22	PPBV		91
27) CARBON DISULFIDE	2.493	76	6168	0.21	PPBV	#	67
28) ETHANOL	1.975	45	4943m	0.72	PPBV		
29) BROMOETHENE	2.030	106	2344	0.22	PPBV	#	96
30) ACRYLONITRILE	2.245	52	3111	0.38	PPBV		98
31) METHYLENE CHLORIDE	2.396	84	3137	0.31	PPBV		95
32) 3-CHLOROPROPENE	2.435	76	1253	0.23	PPBV		67
33) FREON 113	2.493	151	4101	0.23	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	2503	0.21	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.429	59	6213m	0.22	PPBV		
36) METHYL TERTIARY BUTYL ...	2.850	73	7955	0.23	PPBV	#	82
37) TETRAHYDROFURAN	3.544	72	1188	0.20	PPBV		77
38) HEXANE	3.277	57	4751	0.22	PPBV		80
39) VINYL ACETATE	2.866	86	700	0.21	PPBV	#	13
40) 1,1-DICHLOROETHANE	2.795	63	4780	0.21	PPBV		97
41) METHYL ETHYL KETONE	2.985	72	1419	0.23	PPBV	#	93
42) CIS-1,2-DICHLOROETHENE	3.152	96	2745	0.22	PPBV		98
43) DIISOPROPYL ETHER	3.303	59	1508	0.25	PPBV		78
44) ETHYL ACETATE	3.310	61	982	0.23	PPBV		93
45) METHYL ACRYLATE	3.287	55	5637	0.22	PPBV	#	99
46) CHLOROFORM	3.300	83	5495	0.22	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.782	57	5377	0.22	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.866	97	5772	0.21	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	5354	0.19	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	3890	0.20	PPBV		98
51) BENZENE	4.175	78	8300	0.23	PPBV		99
53) CYCLOHEXANE	4.377	84	3553	0.22	PPBV		85
54) 2,3-DIMETHYLPENTANE	4.631	71	1803	0.21	PPBV		92
55) TRICHLOROETHENE	5.062	95	3668	0.20	PPBV		99
56) 1,2-DICHLOROPROPANE	4.837	63	3210	0.21	PPBV		97
57) DIBROMOMETHANE	4.792	174	3311	0.21	PPBV		94
58) ETHYL ACRYLATE	4.975	55	7267	0.22	PPBV		96
59) BROMODICHLOROMETHANE	5.004	83	5589	0.19	PPBV		92
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	13895	0.21	PPBV		96
61) 1,4-DIOXANE	5.226	88	2954m	0.31	PPBV		
62) HEPTANE	5.470	43	5154	0.22	PPBV		97
63) METHYL METHACRYLATE	5.387	69	3544	0.25	PPBV		90
64) METHYL ISOBUTYL KETONE	6.171	58	4409	0.33	PPBV		96
65) CIS-1,3-DICHLOROPROPENE	5.991	75	4758	0.19	PPBV	#	81
66) TOLUENE	7.190	91	10267	0.22	PPBV		99
67) 1,3-DICHLOROPROPANE	7.252	76	4741	0.20	PPBV		98
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	4218	0.18	PPBV		94
69) 1,1,2-TRICHLOROETHANE	6.817	83	2927	0.22	PPBV		95
70) 2-HEXANONE	7.850	58	8903	0.45	PPBV	#	94
71) ETHYL METHACRYLATE	7.920	69	5702	0.23	PPBV		95
72) TETRACHLOROETHENE	8.904	164	3981	0.21	PPBV		99
73) DIBROMOCHLOROMETHANE	7.721	129	5562	0.19	PPBV		99
74) 1,2-DIBROMOETHANE	8.055	107	5085	0.20	PPBV	#	97
75) OCTANE	9.052	43	7512	0.23	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	10.123	131	4267	0.20	PPBV		97
78) CHLOROBENZENE	10.104	112	7768	0.20	PPBV		98
79) ETHYLBENZENE	10.991	91	13983	0.23	PPBV		95
80) M,P-XYLENE	11.425	91	20795	0.42	PPBV		96
81) O-XYLENE	12.341	91	10737	0.22	PPBV		94
82) STYRENE	12.142	104	7305	0.20	PPBV		100
83) NONANE	13.470	43	7304	0.22	PPBV		97
84) BROMOFORM	11.219	173	4859	0.19	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	6988	0.21	PPBV		98
86) 1,2,3-TRICHLOROPROPANE	12.640	75	5385	0.20	PPBV	#	99
88) ISOPROPYLBENZENE	13.859	120	3932	0.20	PPBV		91
89) BROMOBENZENE	13.718	77	7079	0.20	PPBV		99
90) 2-CHLOROTOLUENE	14.853	126	3458	0.19	PPBV		99
91) N-PROPYLBENZENE	15.197	120	3814	0.19	PPBV		99
92) 4-ETHYLTOLUENE	15.640	105	14151	0.20	PPBV	#	98
93) 1,3,5-TRIMETHYLBENZENE	15.914	105	12096	0.20	PPBV		97
94) ALPHA-METHYLSTYRENE	16.216	118	5670	0.18	PPBV		99
95) TERT-BUTYLBENZENE	16.525	134	2992	0.21	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	12308	0.20	PPBV		99
97) BENZYL CHLORIDE	16.624	91	9192	0.16	PPBV		99
98) M-DICHLOROBENZENE	16.598	146	7938	0.19	PPBV		98
99) P-DICHLOROBENZENE	16.692	146	8082	0.20	PPBV		99
100) O-DICHLOROBENZENE	17.010	146	7837	0.20	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	3638	0.20	PPBV		98
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	12052	0.20	PPBV		97
103) P-ISOPROPYLTOLUENE	17.033	134	4106	0.21	PPBV		98
104) N-BUTYLBENZENE	17.399	134	3733	0.19	PPBV		94
105) HEXACHLOROETHANE	17.573	117	4492	0.19	PPBV		97
106) HEXACHLOROBUTADIENE	18.634	225	5552	0.19	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.322	180	5074	0.14	PPBV		96
108) NAPHTHALENE	18.370	128	9939	0.13	PPBV		98
110) TVHC as equiv Pentane	2.271	TIC	12241m	0.22	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

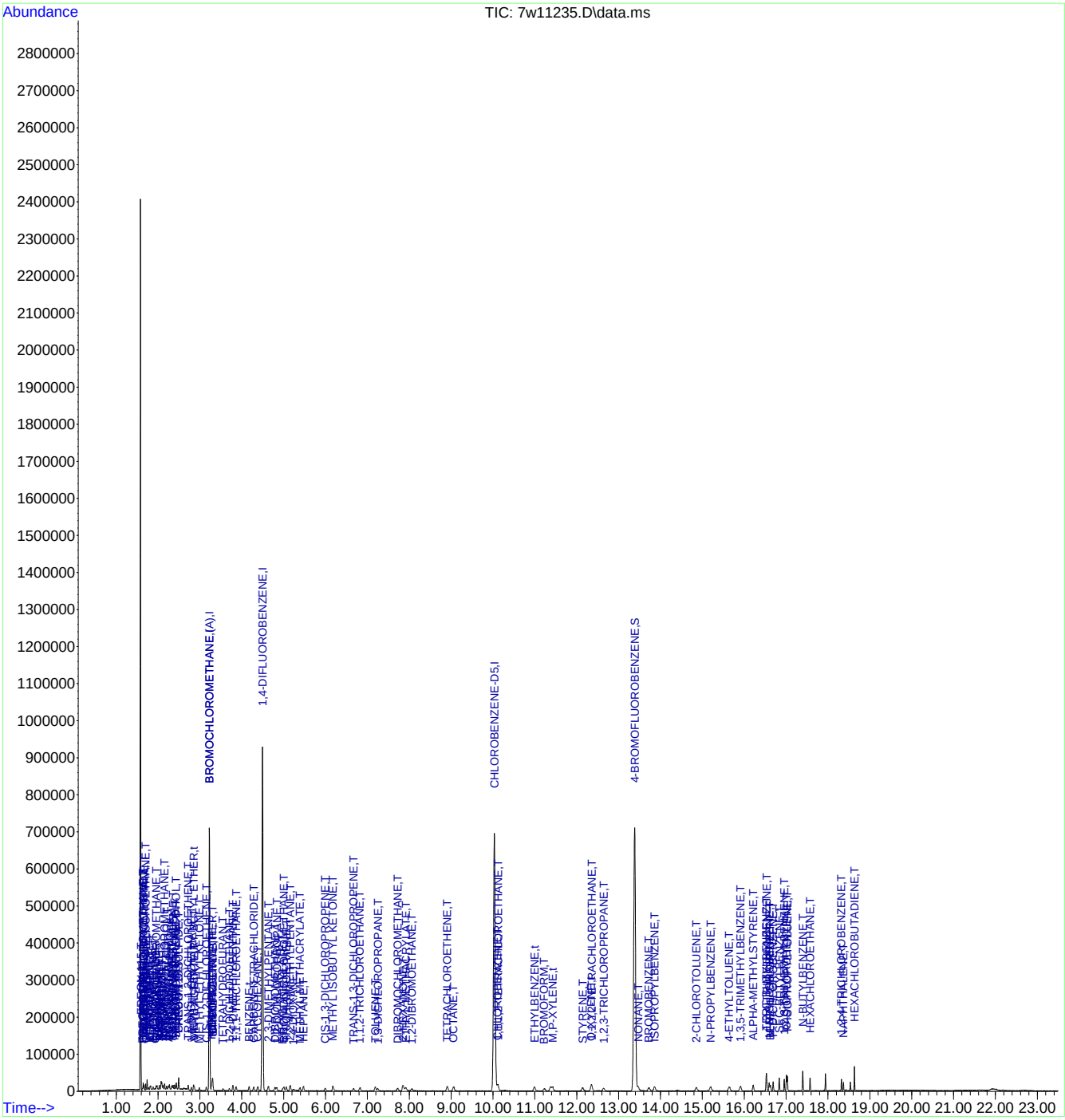
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



Manual Integration Approval Summary

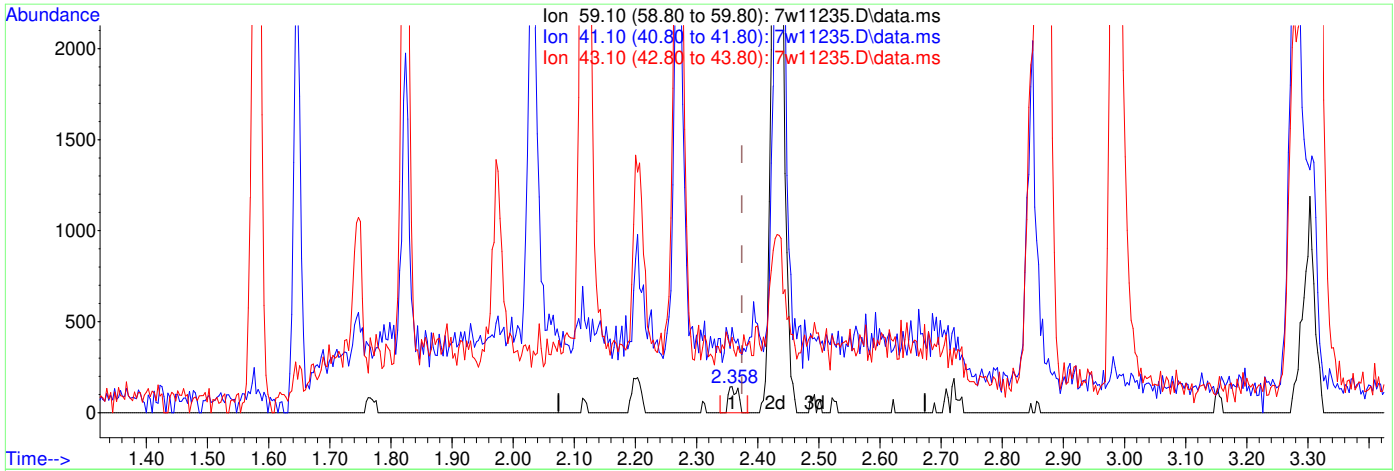
Sample Number: V7W405-IC405
Lab FileID: 7W11235.D
Injection Time: 12/28/24 10:32
Method: TO-15
Analyst approved: 12/30/24 00:11 Kanya Veerawat
Supervisor approved: 12/30/24 00:15 Kanya Veerawat

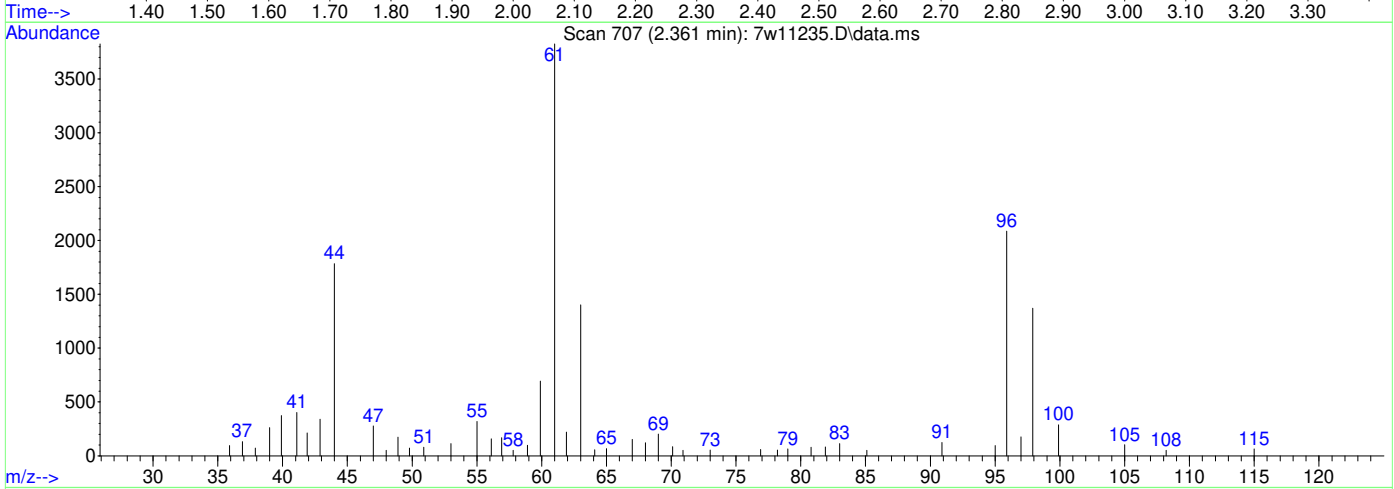
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.98	Poor instrument integration
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.12	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
Tertiary Butyl Alcohol	75-65-0		2.43	Missed peak
1,4-Dioxane	123-91-1		5.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.358min (-0.016) 0.01PPBV

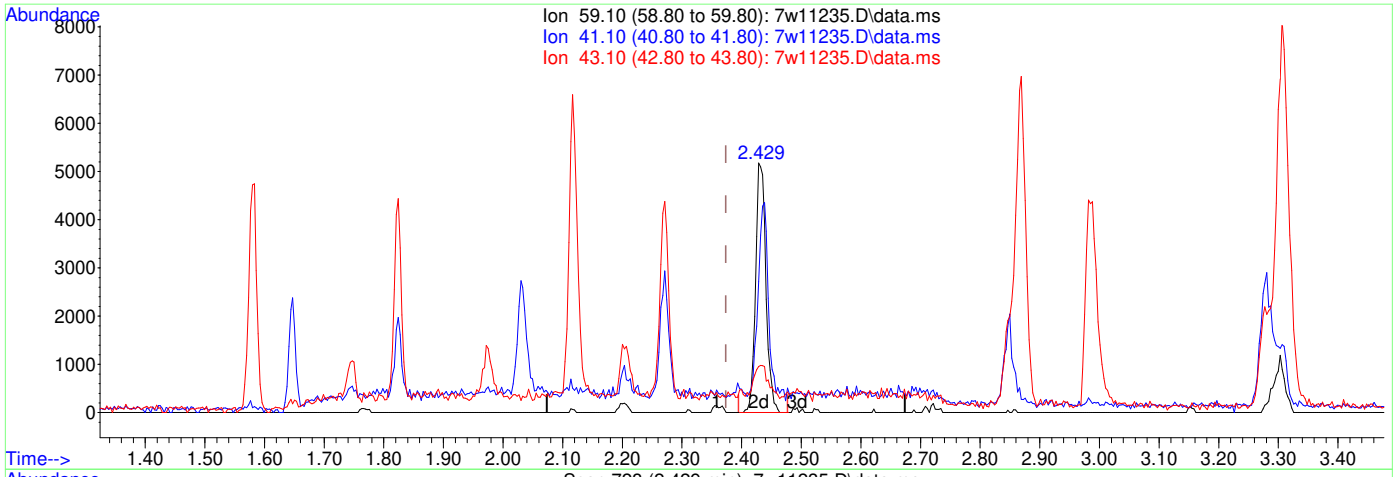
response 153

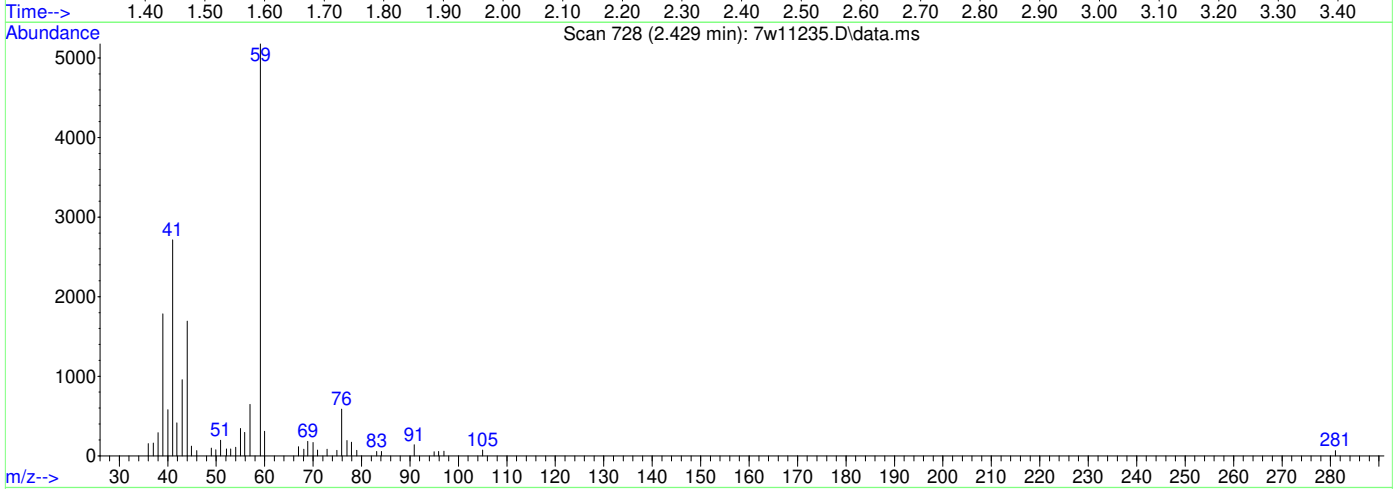
Ion	Exp%	Act%
59.10	100	100
41.10	20.40	87.58#
43.10	14.20	81.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.429min (+0.055) 0.22PPBV m

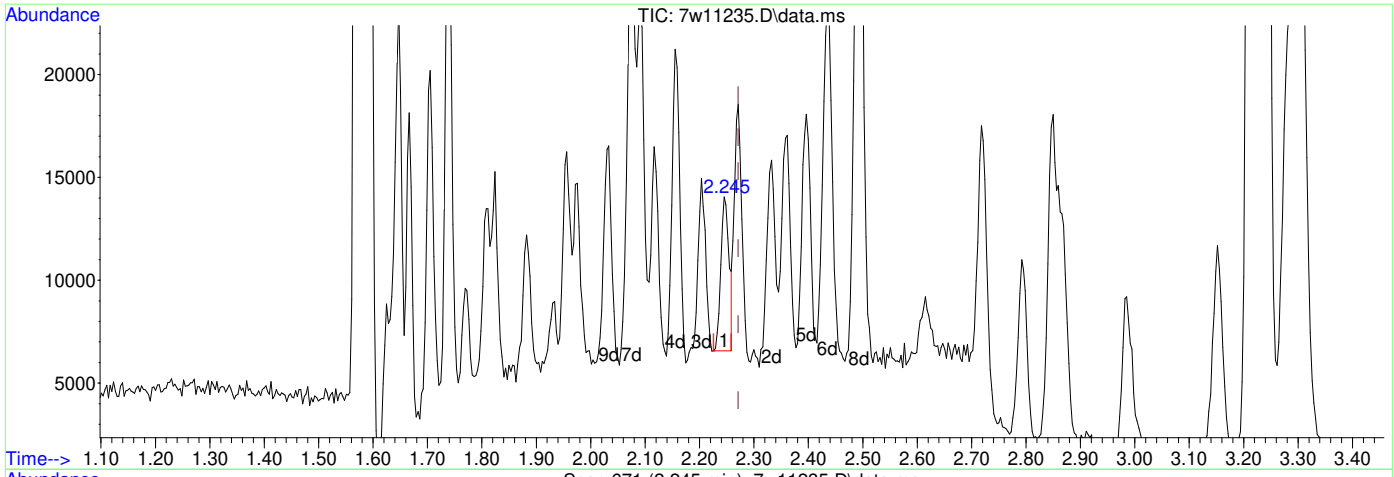
response 6213

Ion	Exp%	Act%
59.10	100	100
41.10	20.40	2.16#
43.10	14.20	2.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.245min (-0.026) 0.14PPBV

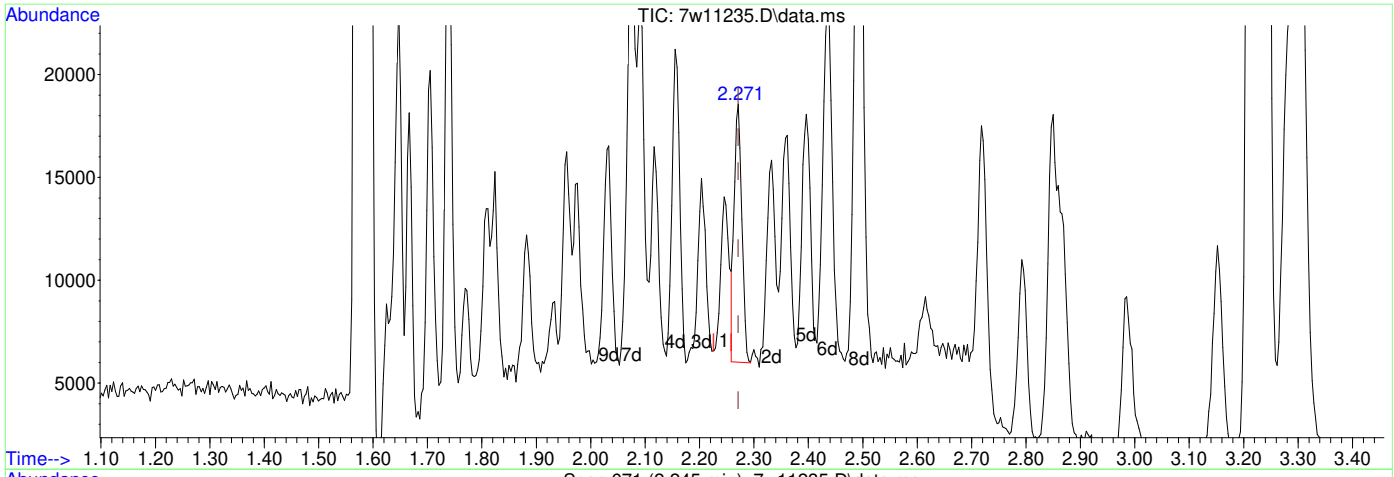
response 7940

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.22PPBV m

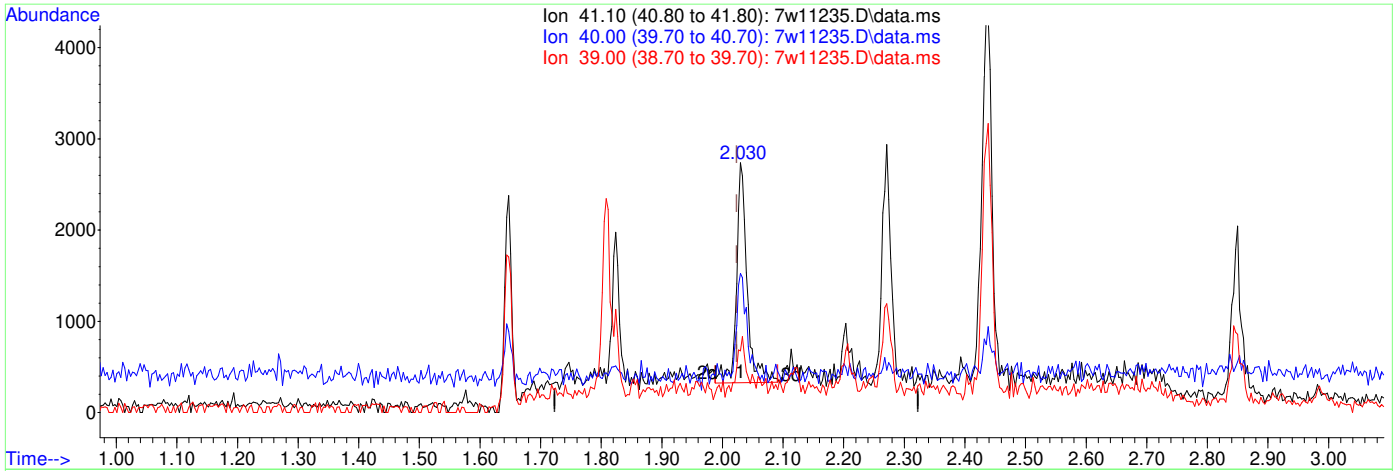
response 12241

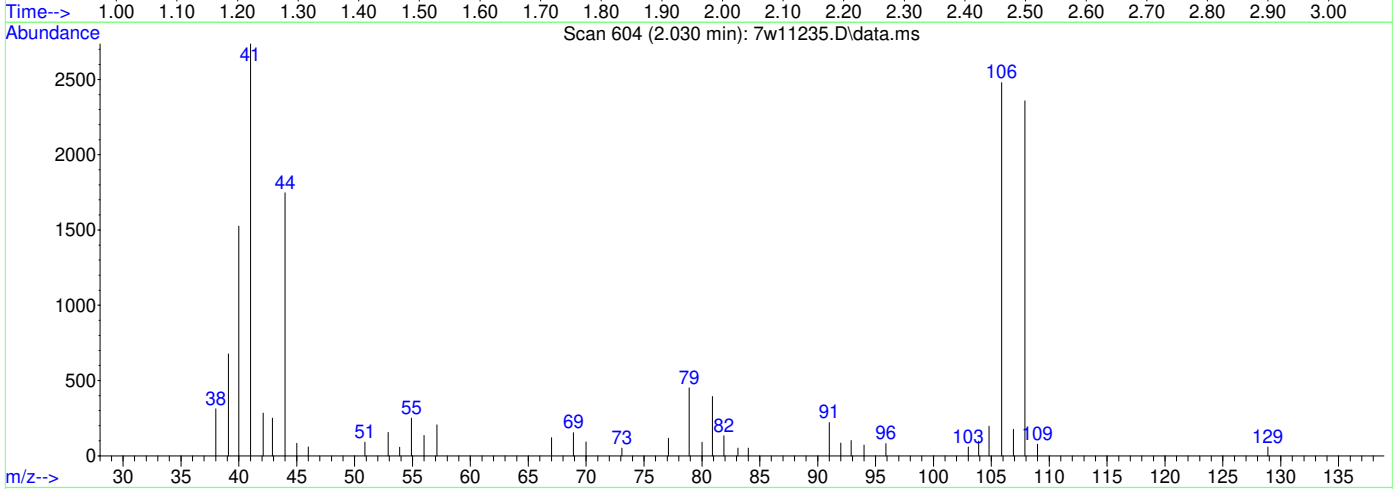
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.30PPBV

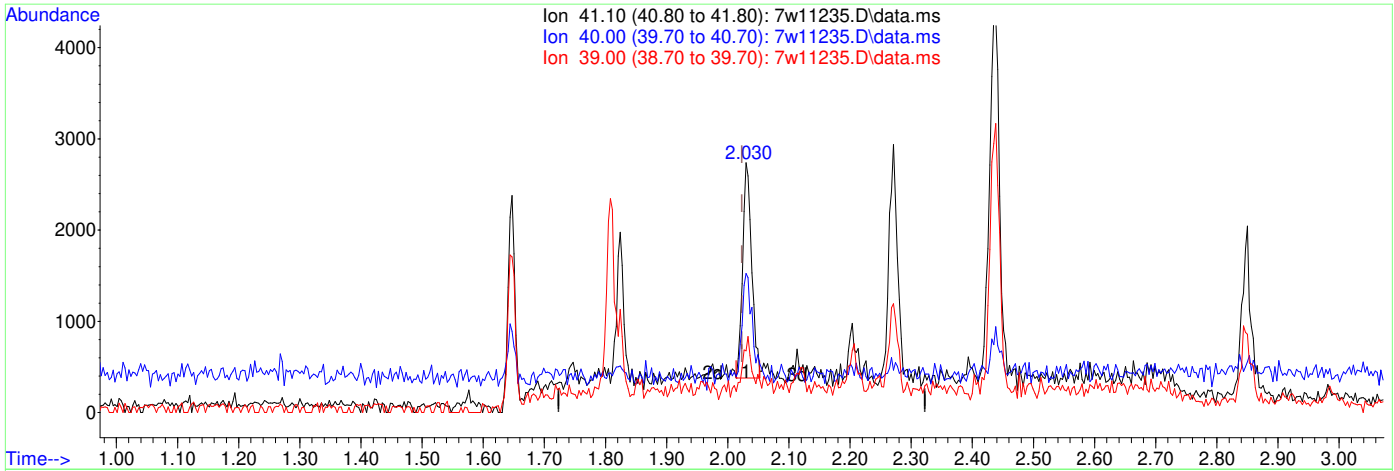
response 2967

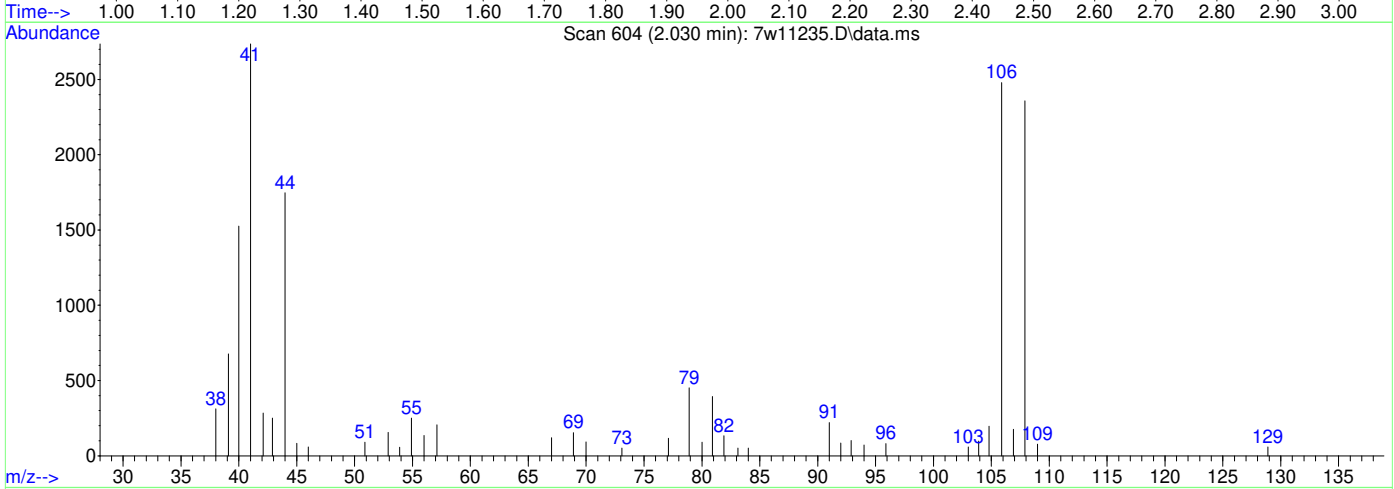
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	51.53
39.00	19.70	22.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.24PPBV m

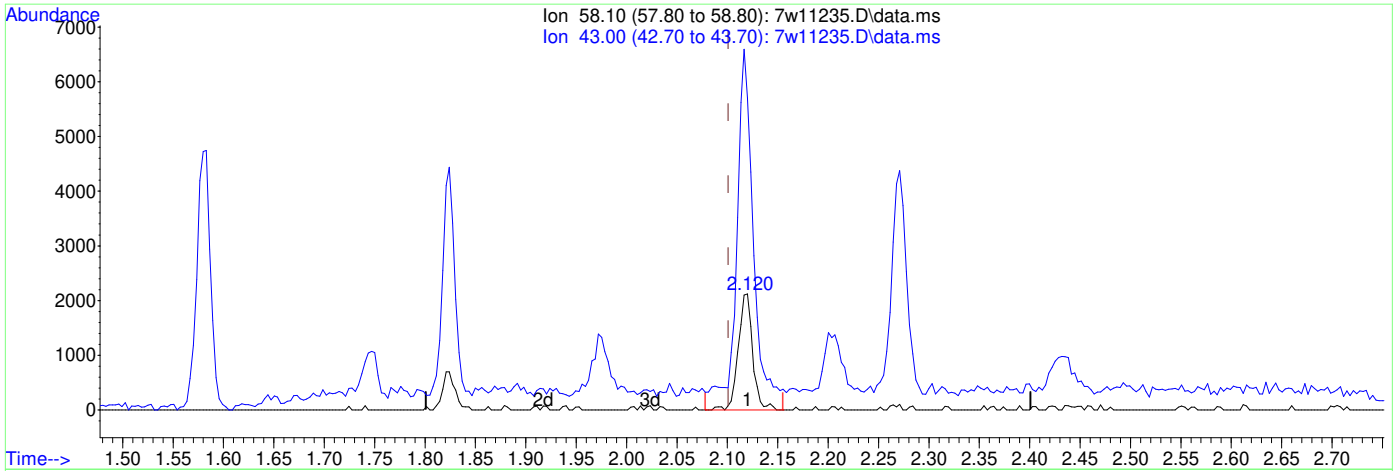
response 2440

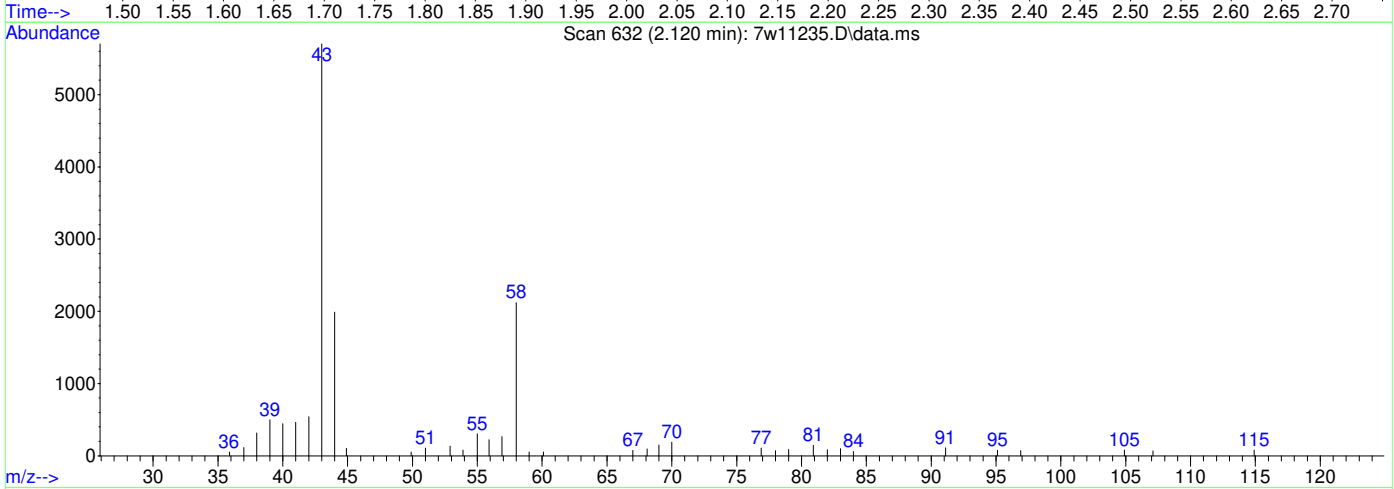
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	62.66
39.00	19.70	26.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.34PPBV

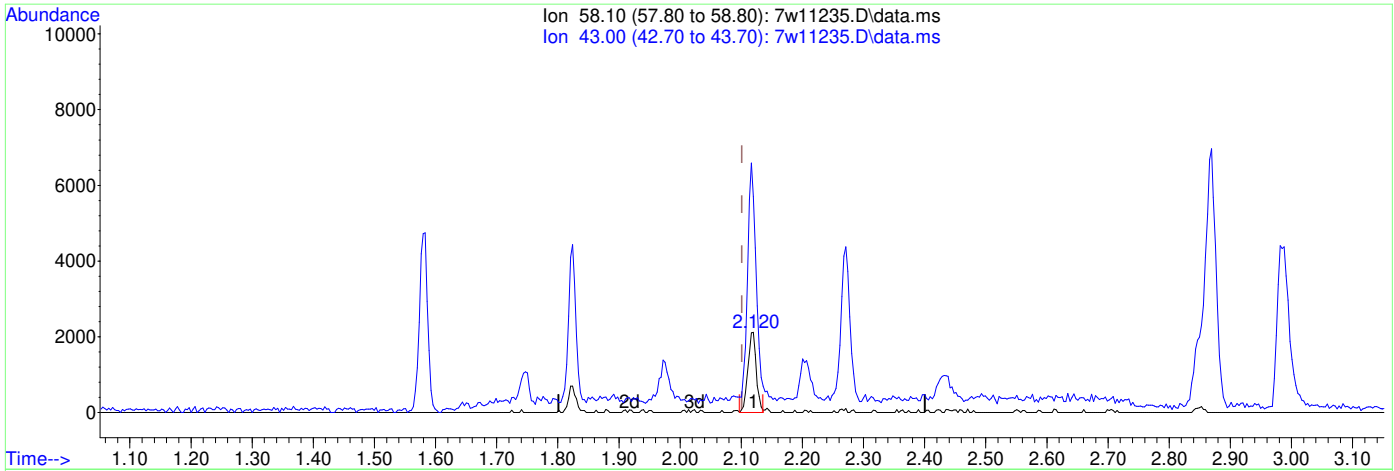
response 2106

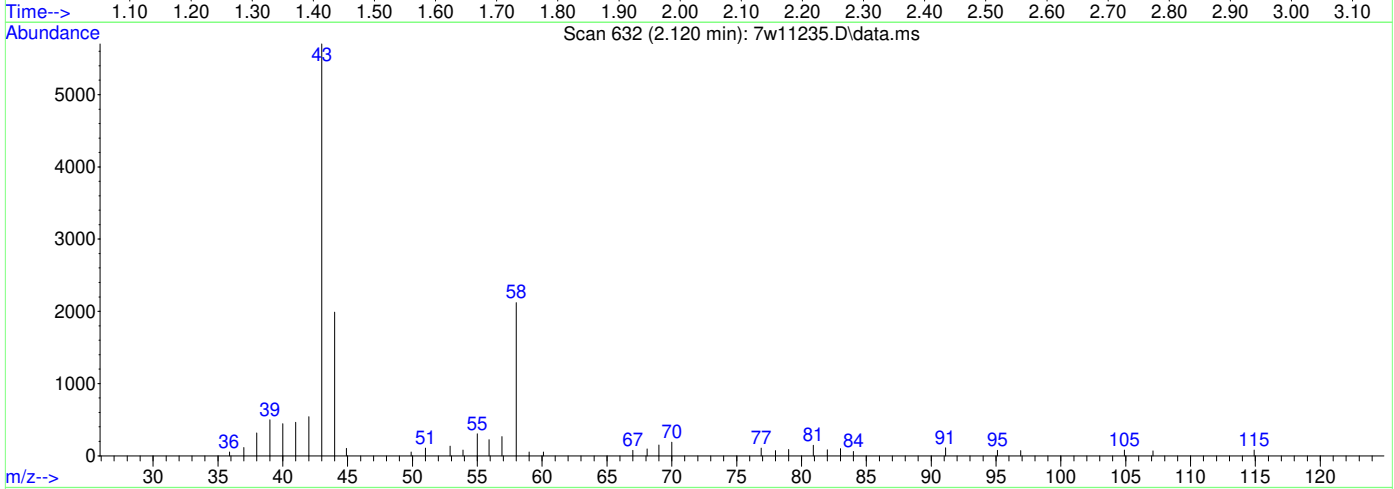
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	308.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.33PPBV m

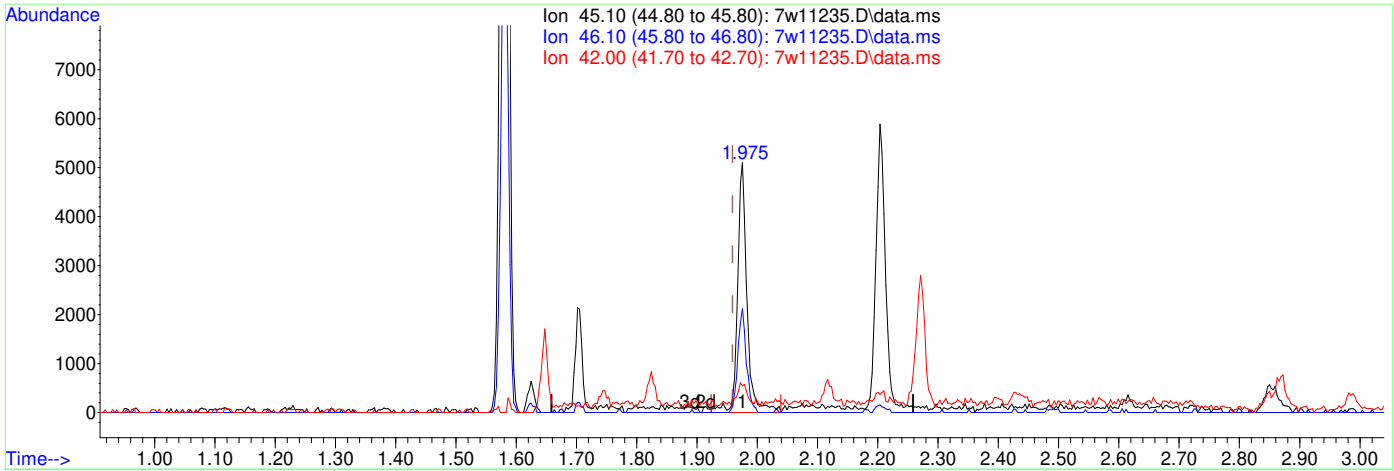
response 2022

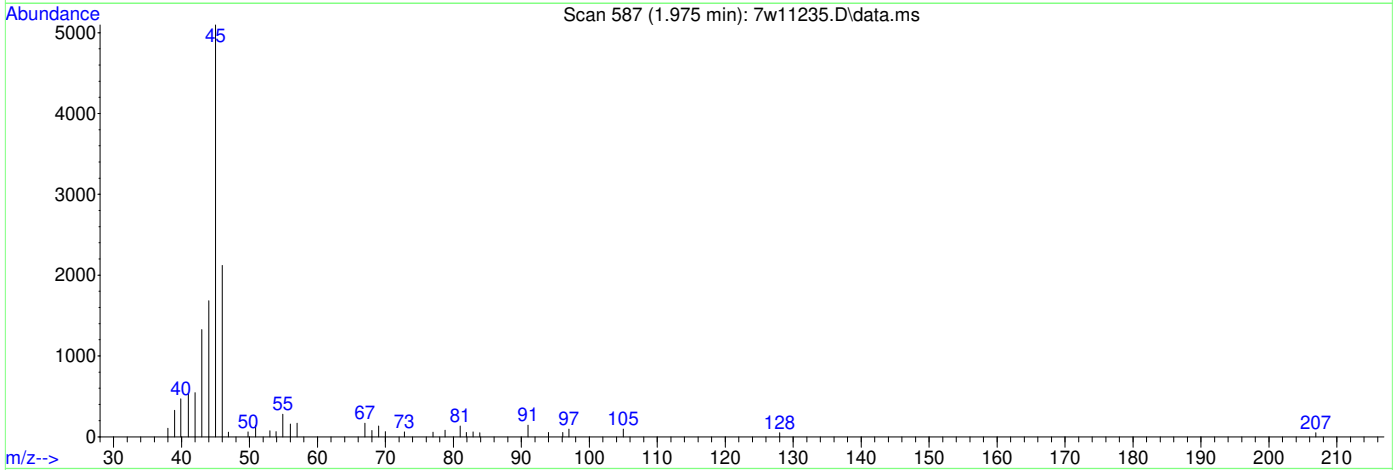
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	320.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.80PPBV

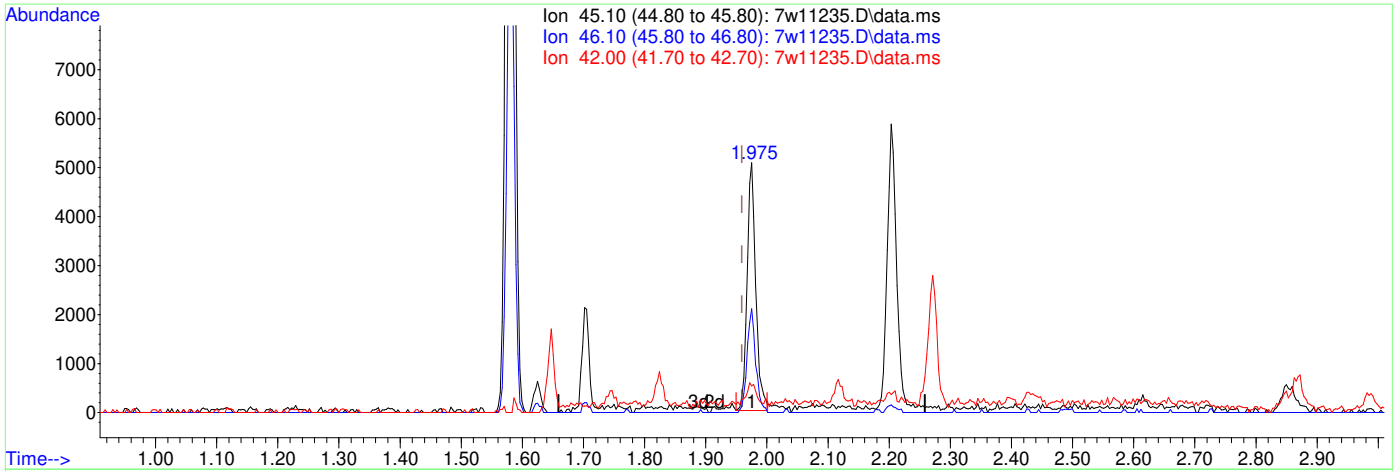
response 5504

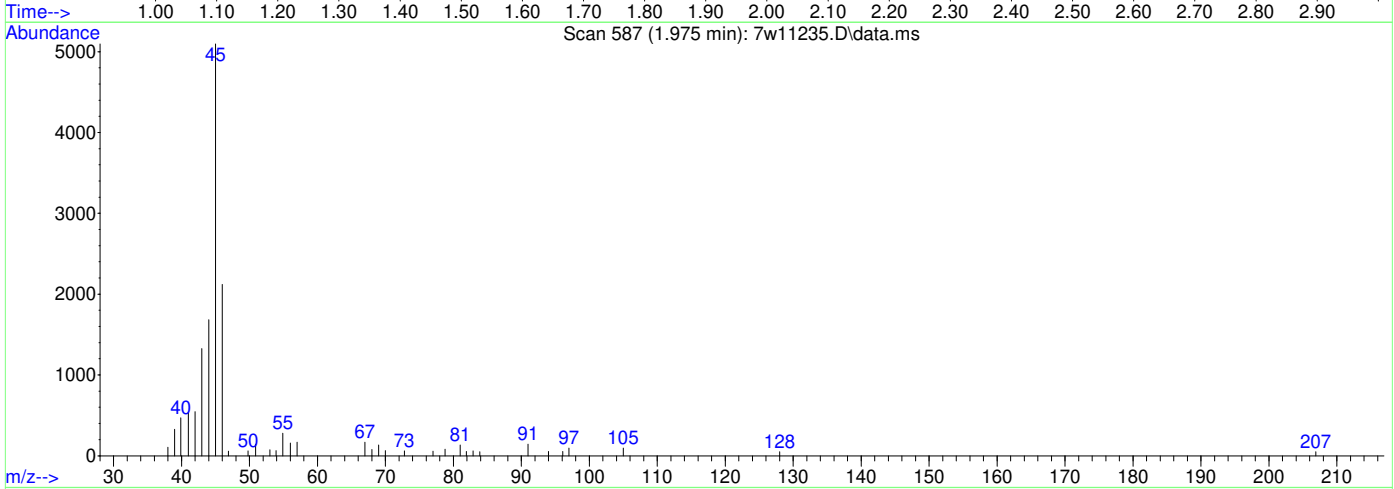
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	37.95
42.00	9.00	11.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.72PPBV m

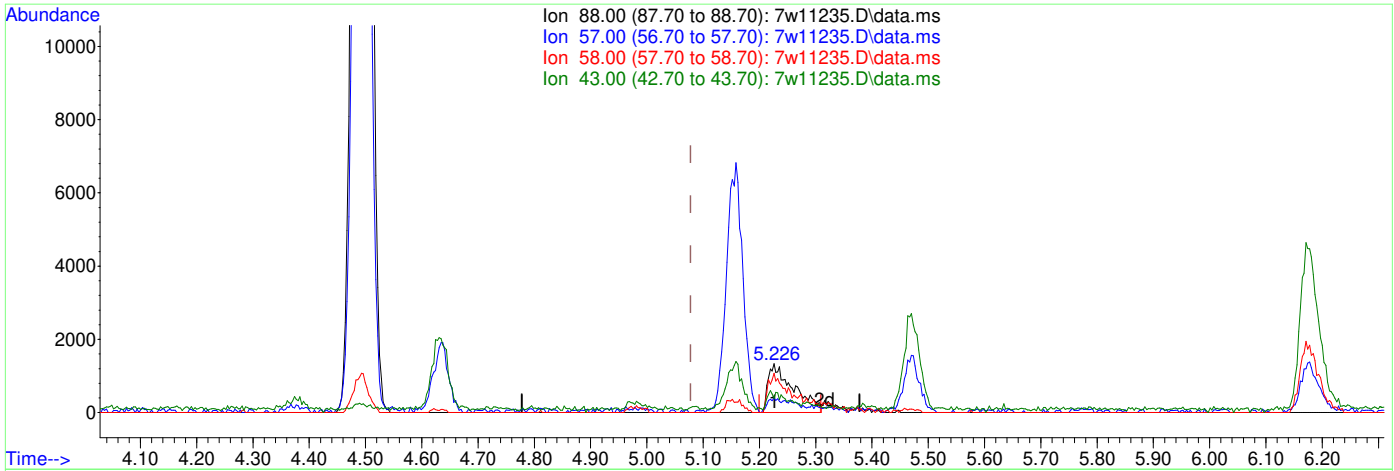
response 4943

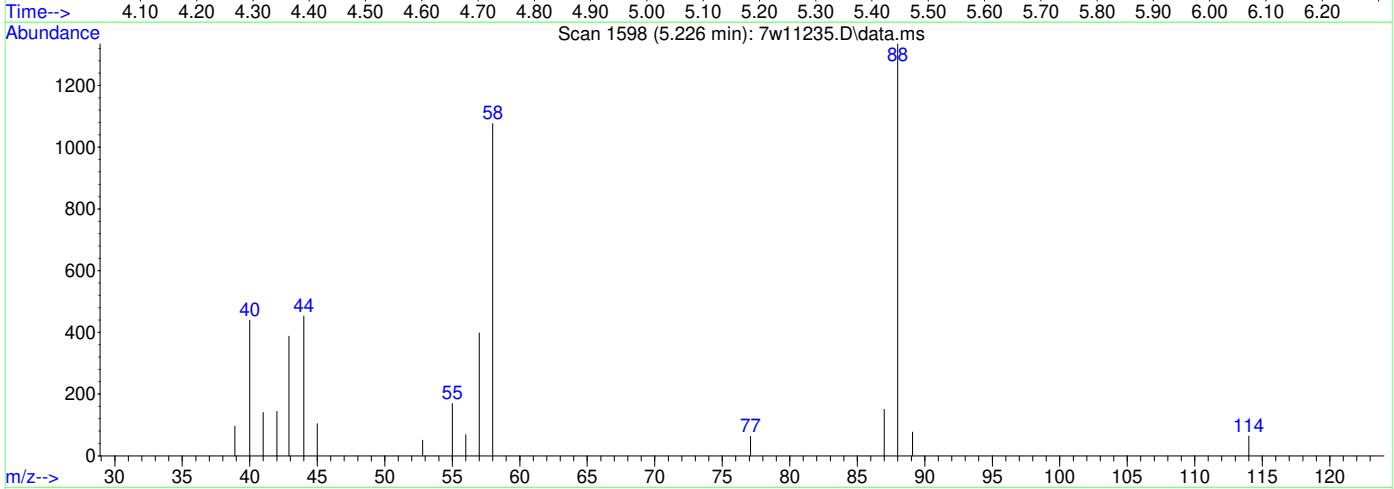
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	42.26
42.00	9.00	12.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.43PPBV

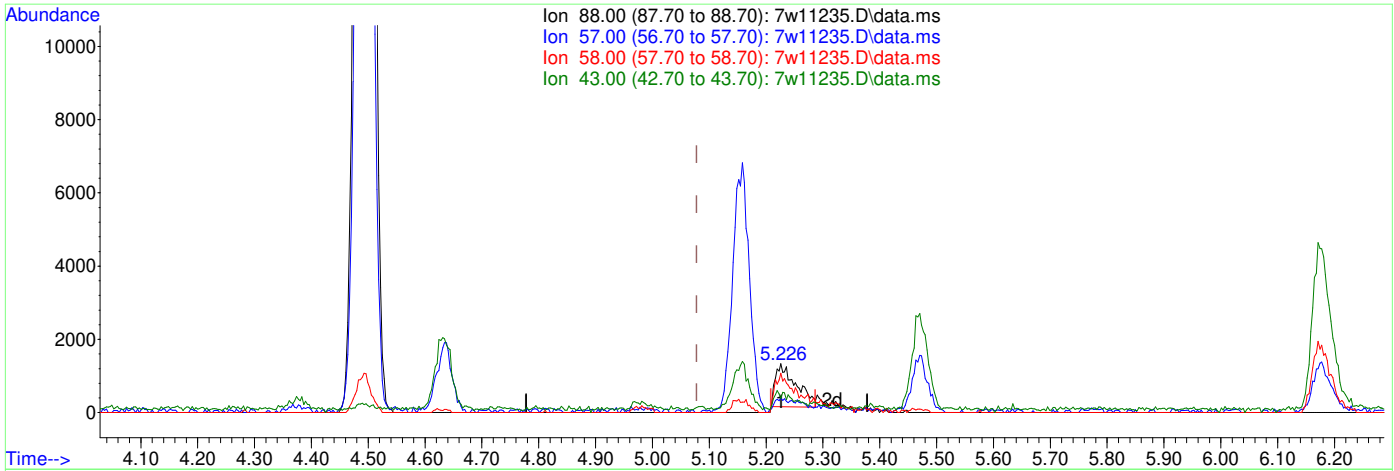
response 4150

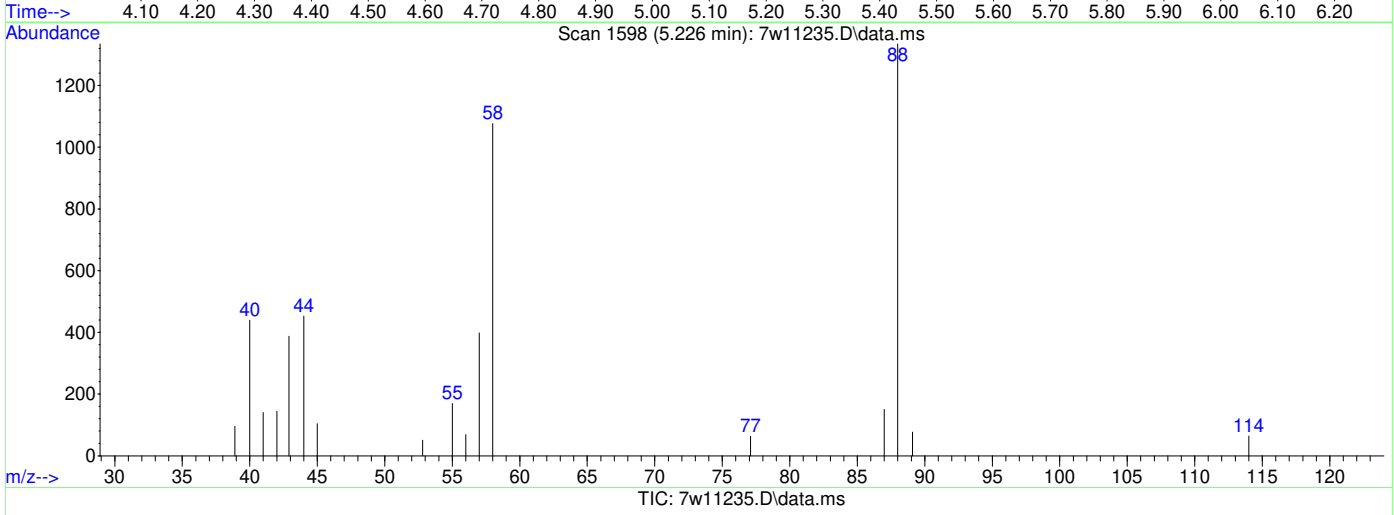
Ion	Exp%	Act%
88.00	100	100
57.00	21.40	33.30#
58.00	71.40	76.77
43.00	28.80	37.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.31PPBV m

response 2954

Ion	Exp%	Act%
88.00	100	100
57.00	21.40	46.78#
58.00	71.40	107.85#
43.00	28.80	52.27#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	130126	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	661732	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.030	117	600657	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	130126	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.380	95	428848	9.74	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	7461	0.80	PPBV		97
3) FREON 152A	1.628	65	3457	0.54	PPBV		98
4) CHLORODIFLUOROMETHANE	1.641	67	1753	0.56	PPBV		93
5) CHLOROTRIFLUOROETHENE	1.650	116	8201	0.53	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.667	85	17786	0.54	PPBV		99
7) PROPYLENE	1.647	41	4729	0.61	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	13030	0.55	PPBV		97
9) FREON 114	1.737	85	14652	0.56	PPBV		100
10) CHLOROMETHANE	1.708	52	1636	0.53	PPBV		89
11) VINYL CHLORIDE	1.769	62	5781	0.52	PPBV		99
12) 1,3-BUTADIENE	1.808	54	4670	0.56	PPBV		85
13) N-BUTANE	1.824	43	9329	0.60	PPBV	#	93
14) BROMOMETHANE	1.885	94	5284	0.56	PPBV		98
15) CHLOROETHANE	1.933	64	3113	0.55	PPBV		95
16) DICHLOROFLUOROMETHANE	1.956	67	12553	0.55	PPBV		97
17) ACETONITRILE	2.027	41	5180	0.55	PPBV		98
18) ACROLEIN	2.065	56	2982	0.60	PPBV		92
19) FREON 123	2.075	83	13106	0.55	PPBV		98
20) FREON 123A	2.094	117	8580	0.57	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.155	101	15558	0.54	PPBV		94
22) ISOPROPYL ALCOHOL	2.184	45	12758	0.57	PPBV		94
23) ACETONE	2.107	58	3383	0.59	PPBV		95
24) PENTANE	2.271	42	6568	0.59	PPBV		99
25) IODOMETHANE	2.332	142	15154	0.57	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.358	96	6019	0.58	PPBV		93
27) CARBON DISULFIDE	2.493	76	15735	0.55	PPBV	#	87
28) ETHANOL	1.962	45	4727m	0.78	PPBV		
29) BROMOETHENE	2.030	106	5411	0.54	PPBV	#	93
30) ACRYLONITRILE	2.242	52	4847	0.63	PPBV		94
31) METHYLENE CHLORIDE	2.396	84	6063m	0.66	PPBV		
32) 3-CHLOROPROPENE	2.438	76	2853	0.54	PPBV		99
33) FREON 113	2.490	151	9324	0.54	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.718	96	6105	0.55	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.396	59	14539	0.54	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.830	73	18535	0.56	PPBV	#	94
37) TETRAHYDROFURAN	3.525	72	2976	0.54	PPBV		93
38) HEXANE	3.277	57	11414	0.57	PPBV		98
39) VINYL ACETATE	2.863	86	1803	0.56	PPBV		90
40) 1,1-DICHLOROETHANE	2.792	63	11928	0.56	PPBV		100
41) METHYL ETHYL KETONE	2.965	72	3166	0.55	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.152	96	6909	0.57	PPBV		96
43) DIISOPROPYL ETHER	3.284	59	3289	0.57	PPBV		96
44) ETHYL ACETATE	3.290	61	2317	0.56	PPBV		96
45) METHYL ACRYLATE	3.277	55	13660	0.56	PPBV	#	99
46) CHLOROFORM	3.297	83	13724	0.58	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	12969	0.56	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.863	97	14399	0.56	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	13974	0.50	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	62	10257	0.56	PPBV		99
51)	BENZENE	4.171	78	19367	0.57	PPBV		99
53)	CYCLOHEXANE	4.374	84	8799	0.56	PPBV		96
54)	2,3-DIMETHYLPENTANE	4.634	71	4644	0.58	PPBV		97
55)	TRICHLOROETHENE	5.059	95	9453	0.55	PPBV		95
56)	1,2-DICHLOROPROPANE	4.827	63	7706	0.53	PPBV		99
57)	DIBROMOMETHANE	4.792	174	8465	0.57	PPBV		98
58)	ETHYL ACRYLATE	4.956	55	16033	0.50	PPBV		96
59)	BROMODICHLOROMETHANE	5.007	83	14110	0.50	PPBV		95
60)	2,2,4-TRIMETHYLPENTANE	5.152	57	35677	0.56	PPBV		100
61)	1,4-DIOXANE	5.139	88	4905	0.53	PPBV	#	1
62)	HEPTANE	5.467	43	13181	0.59	PPBV		96
63)	METHYL METHACRYLATE	5.371	69	7721	0.56	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.116	58	6846	0.53	PPBV		94
65)	CIS-1,3-DICHLOROPROPENE	5.988	75	12166	0.51	PPBV		96
66)	TOLUENE	7.184	91	24314	0.53	PPBV		99
67)	1,3-DICHLOROPROPANE	7.245	76	11960	0.53	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	10484	0.46	PPBV		92
69)	1,1,2-TRICHLOROETHANE	6.817	83	7092	0.54	PPBV		98
70)	2-HEXANONE	7.788	58	9642	0.50	PPBV		98
71)	ETHYL METHACRYLATE	7.898	69	12529	0.51	PPBV		99
72)	TETRACHLOROETHENE	8.904	164	9969	0.56	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.721	129	14205	0.49	PPBV		98
74)	1,2-DIBROMOETHANE	8.055	107	13114	0.53	PPBV		99
75)	OCTANE	9.055	43	17337	0.55	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.113	131	10660	0.53	PPBV		97
78)	CHLOROBENZENE	10.103	112	19943	0.55	PPBV		99
79)	ETHYLBENZENE	10.988	91	32514	0.56	PPBV		100
80)	M,P-XYLENE	11.409	91	51003	1.10	PPBV		94
81)	O-XYLENE	12.341	91	25344	0.55	PPBV		99
82)	STYRENE	12.136	104	18328	0.51	PPBV		99
83)	NONANE	13.470	43	17721	0.55	PPBV		98
84)	BROMOFORM	11.219	173	12250	0.49	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.351	83	17300	0.54	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.640	75	13495	0.52	PPBV	#	99
88)	ISOPROPYLBENZENE	13.849	120	9703	0.52	PPBV		97
89)	BROMOBENZENE	13.714	77	17543	0.51	PPBV		97
90)	2-CHLOROTOLUENE	14.849	126	8301	0.48	PPBV		99
91)	N-PROPYLBENZENE	15.190	120	9518	0.49	PPBV		99
92)	4-ETHYLTOLUENE	15.640	105	34399	0.50	PPBV	#	99
93)	1,3,5-TRIMETHYLBENZENE	15.914	105	29336	0.51	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.209	118	13890	0.46	PPBV		98
95)	TERT-BUTYLBENZENE	16.524	134	7147	0.52	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.534	105	29945	0.52	PPBV		100
97)	BENZYL CHLORIDE	16.624	91	22336	0.41	PPBV		98
98)	M-DICHLOROBENZENE	16.595	146	19313	0.48	PPBV		99
99)	P-DICHLOROBENZENE	16.688	146	19478	0.50	PPBV		100
100)	O-DICHLOROBENZENE	17.007	146	18748	0.51	PPBV		99
101)	SEC-BUTYLBENZENE	16.836	134	8964	0.52	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	16.952	105	29312	0.51	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.029	134	9615	0.50	PPBV		95
104)	N-BUTYLBENZENE	17.393	134	9503	0.50	PPBV		99
105)	HEXACHLOROETHANE	17.573	117	10657	0.46	PPBV		98
106)	HEXACHLOROBUTADIENE	18.630	225	13635	0.48	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.322	180	13109	0.36	PPBV		98
108)	NAPHTHALENE	18.367	128	25591	0.32	PPBV		100
110)	TVHC as equiv Pentane	2.271	TIC	31378m	0.58	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

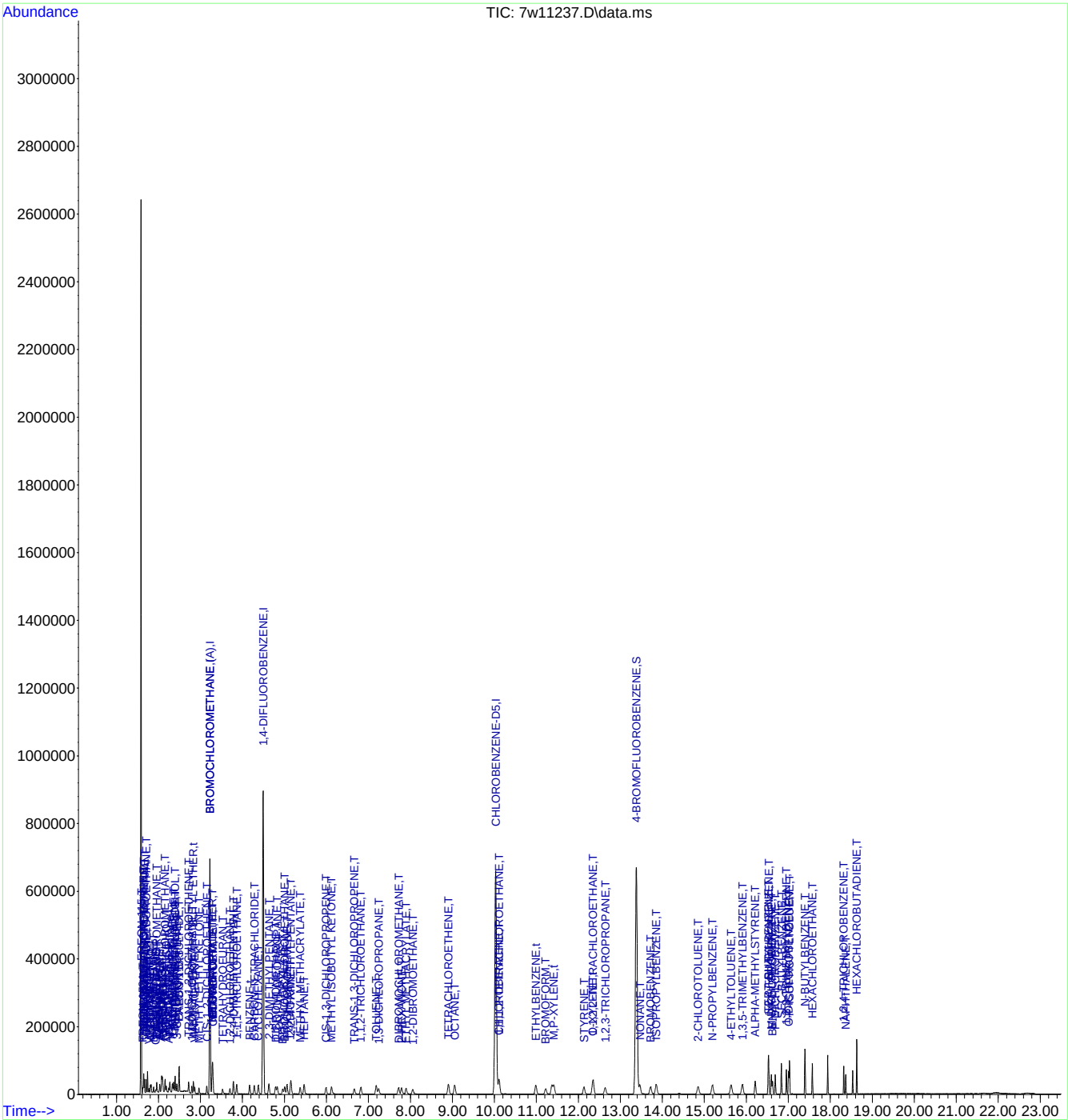
7.7.30

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



Manual Integration Approval Summary

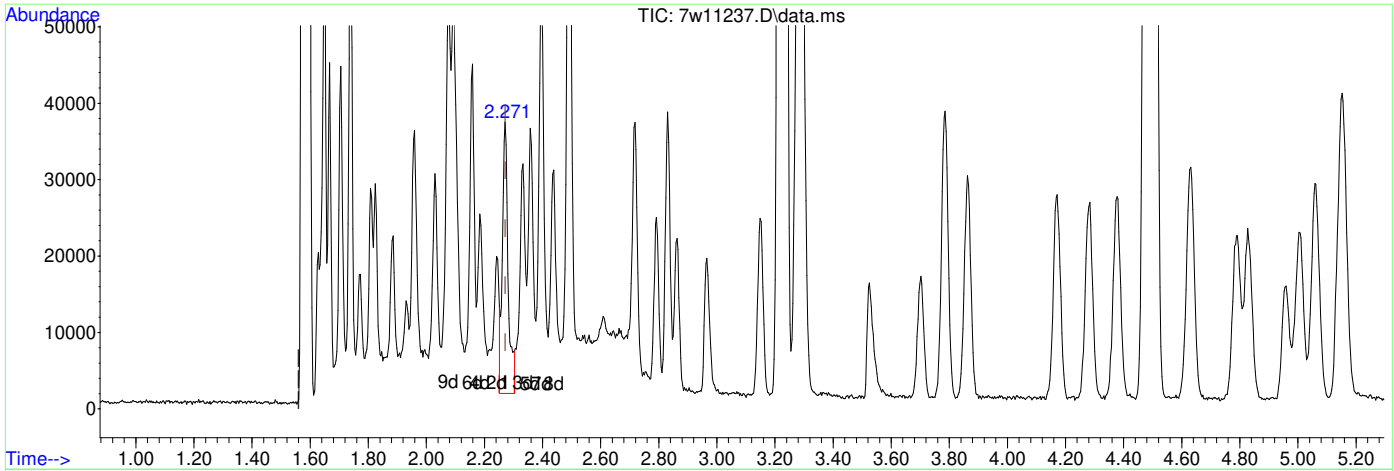
Sample Number: V7W405-IC405
Lab FileID: 7W11237.D
Injection Time: 12/28/24 11:51
Method: TO-15
Analyst approved: 12/30/24 00:11 Kanya Veerawat
Supervisor approved: 12/30/24 00:15 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.96	Poor instrument integration
TVHC As Equiv Pentane			2.27	Poor instrument integration
Methylene chloride	75-09-2		2.40	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.90PPBV

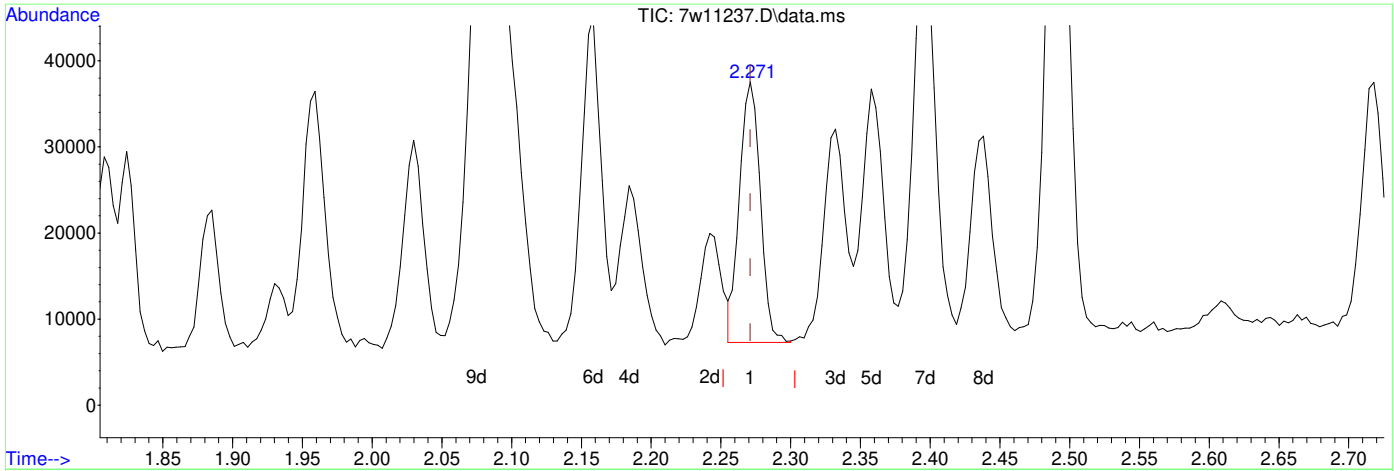
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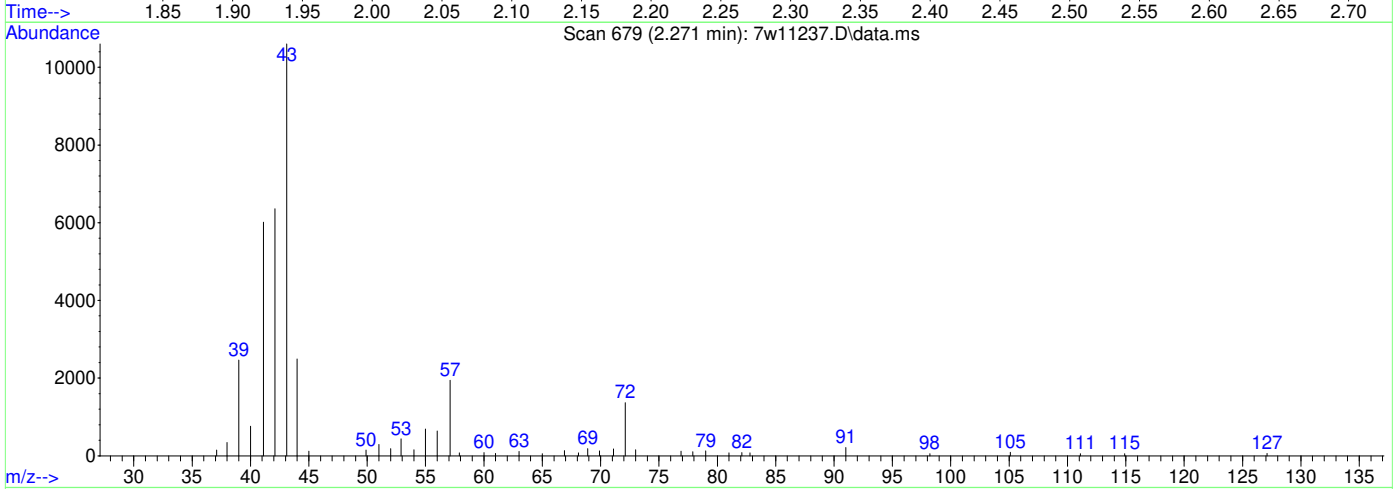
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.58PPBV m

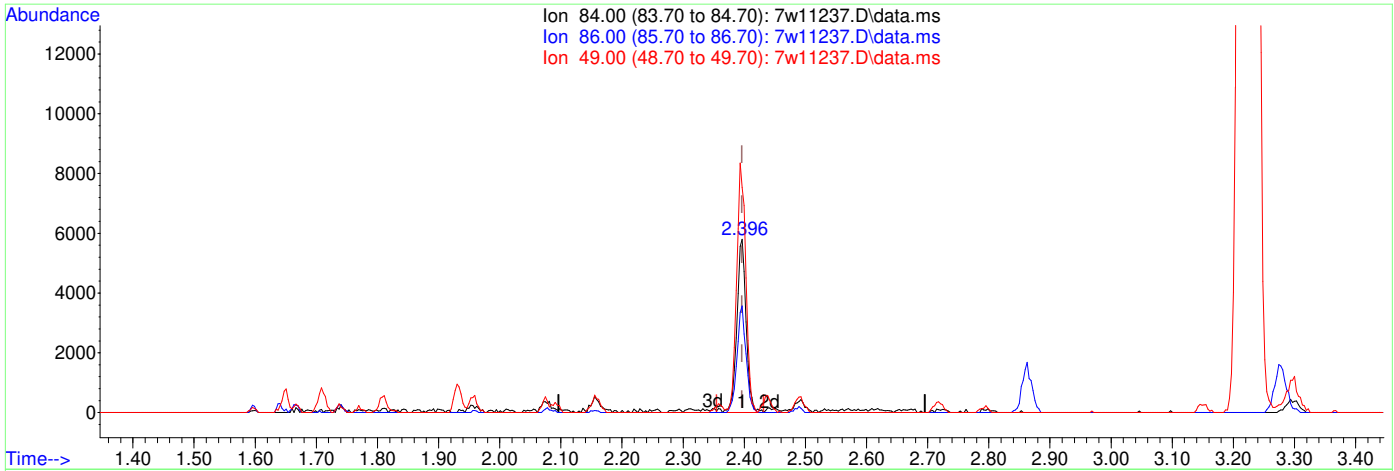
response 31378

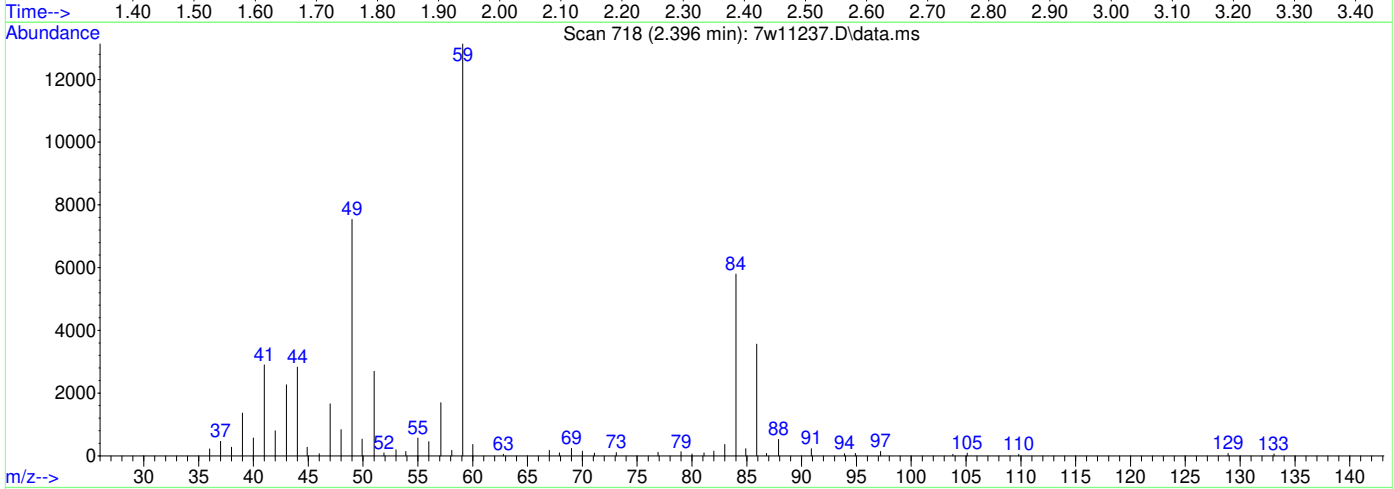
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.67PPBV

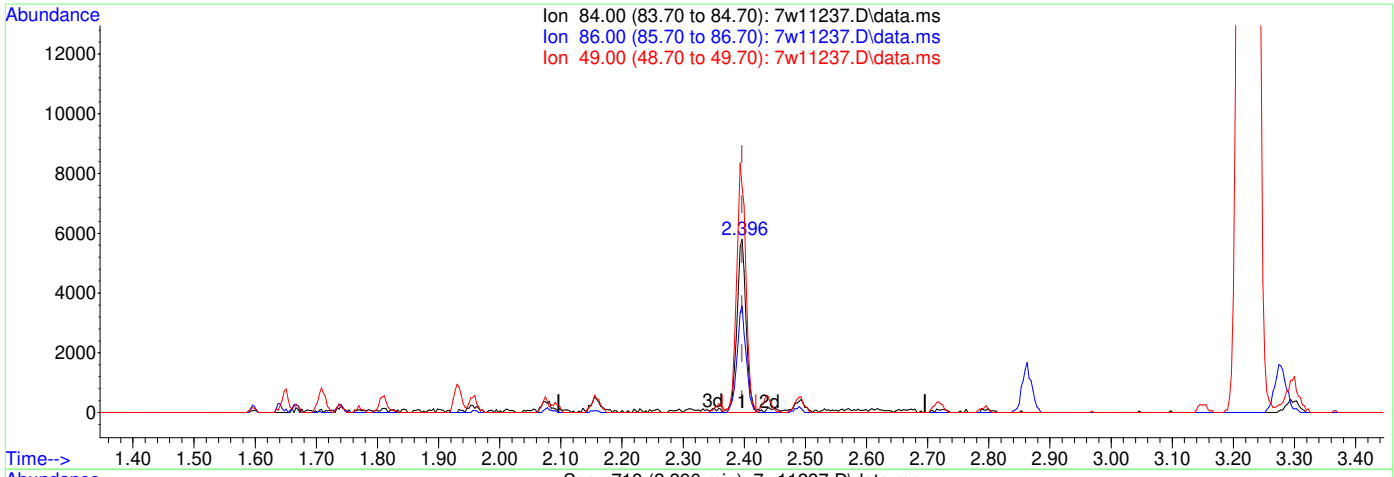
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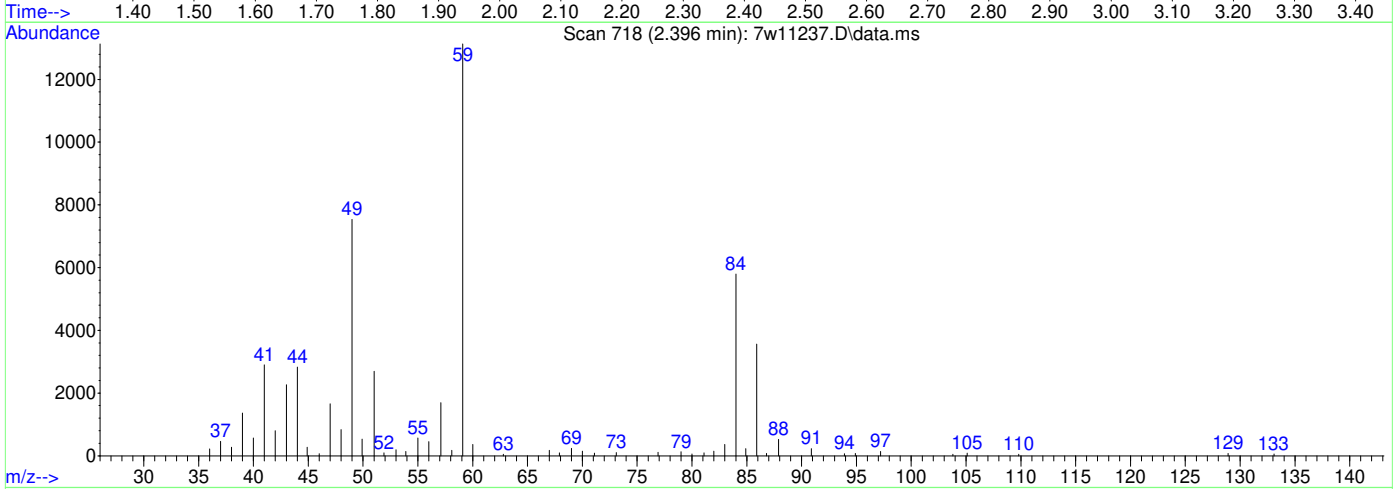
Ion	Exp%	Act%
84.00	100	100
86.00	65.70	59.99
49.00	148.40	145.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.66PPBV m

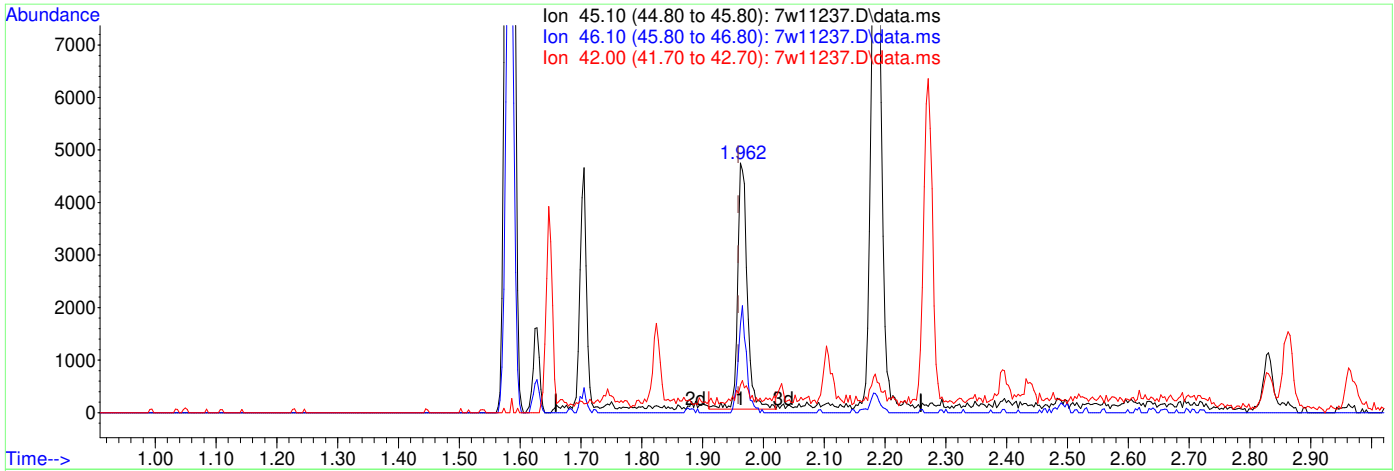
response 6063

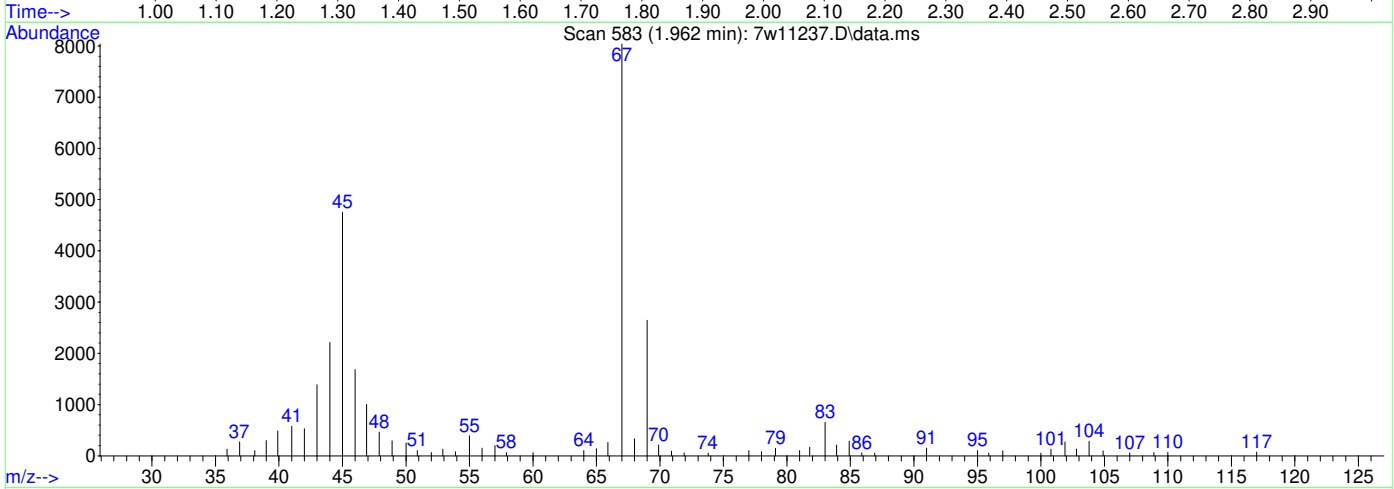
Ion	Exp%	Act%
84.00	100	100
86.00	65.70	60.98
49.00	148.40	148.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.84PPBV

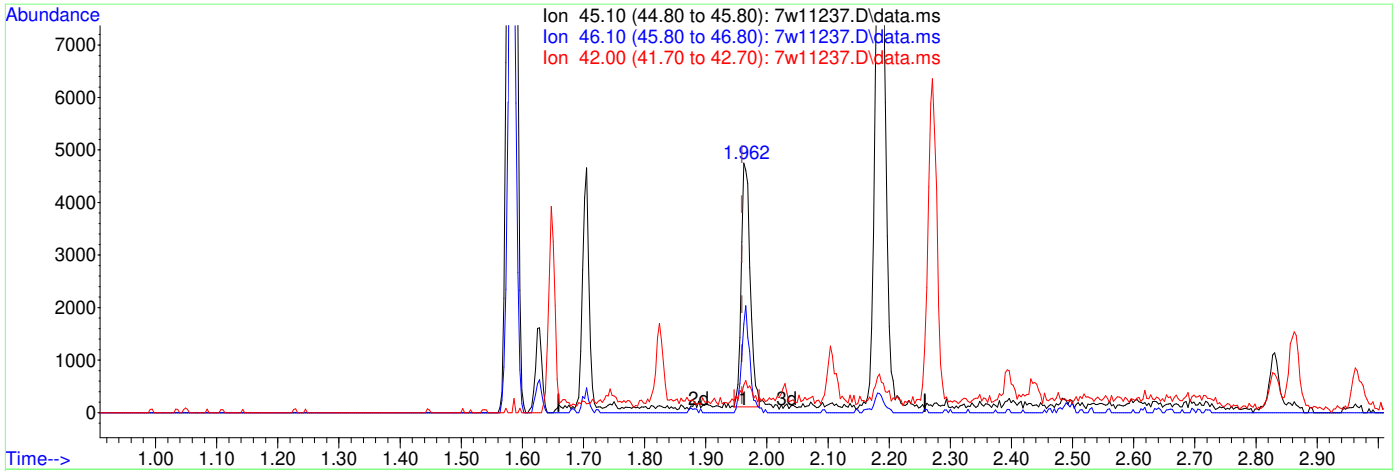
response 5104

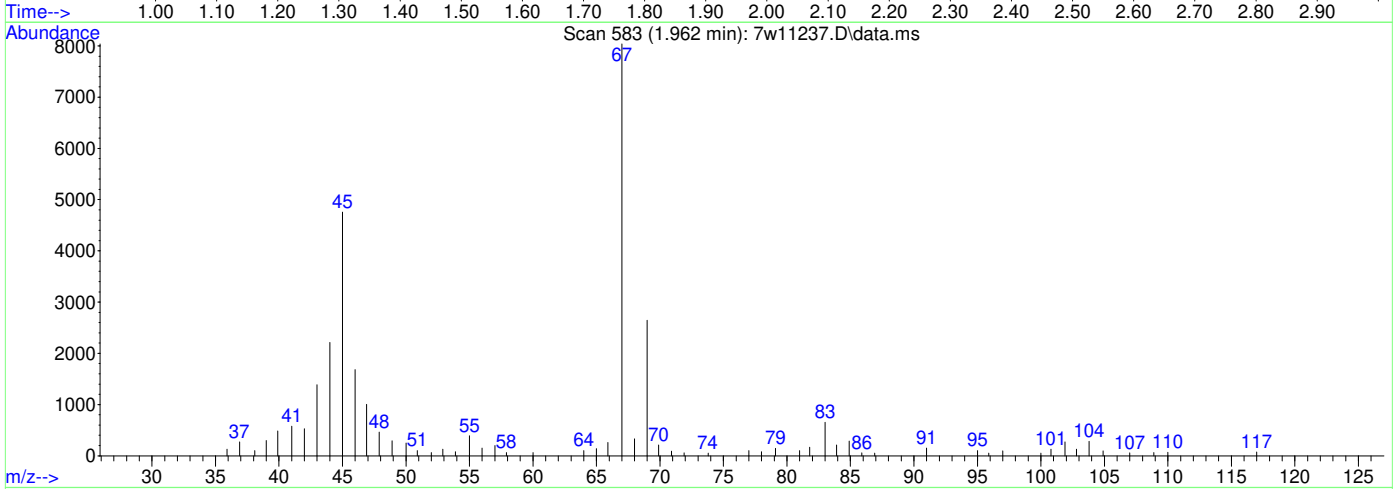
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	36.68
42.00	9.00	13.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.78PPBV m

response 4727

Ion	Exp%	Act%
45.10	100	100
46.10	40.80	39.60
42.00	9.00	14.13#
0.00	0.00	0.00

7W11237.D edits: ETHANOL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	131992	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	667855	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	626654	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131920	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	462248	10.08	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	10064	0.92	PPBV		94
3) FREON 152A	1.628	65	33700	5.21	PPBV		100
4) CHLORODIFLUOROMETHANE	1.641	67	15976	5.06	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	80059	5.13	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.670	85	173239	5.25	PPBV		99
7) PROPYLENE	1.650	41	41238	5.25	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	127875	5.29	PPBV		98
9) FREON 114	1.740	85	144861	5.50	PPBV		99
10) CHLOROMETHANE	1.711	52	15800	5.06	PPBV		96
11) VINYL CHLORIDE	1.773	62	57502	5.10	PPBV		99
12) 1,3-BUTADIENE	1.811	54	43964	5.19	PPBV		97
13) N-BUTANE	1.827	43	81043	5.16	PPBV		99
14) BROMOMETHANE	1.885	94	50054	5.27	PPBV		100
15) CHLOROETHANE	1.933	64	29393	5.09	PPBV		98
16) DICHLOROFLUOROMETHANE	1.959	67	120507	5.21	PPBV		99
17) ACETONITRILE	2.030	41	47324	4.94	PPBV		100
18) ACROLEIN	2.065	56	25829	5.10	PPBV		96
19) FREON 123	2.078	83	127410	5.25	PPBV		99
20) FREON 123A	2.094	117	83554	5.51	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.162	101	156031	5.30	PPBV		99
22) ISOPROPYL ALCOHOL	2.191	45	120912	5.38	PPBV		98
23) ACETONE	2.107	58	31346	5.48	PPBV		99
24) PENTANE	2.274	42	59564	5.29	PPBV		99
25) IODOMETHANE	2.335	142	150640	5.59	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.364	96	56281	5.40	PPBV		97
27) CARBON DISULFIDE	2.496	76	148579	5.14	PPBV		97
28) ETHANOL	1.969	45	36620	6.22	PPBV		99
29) BROMOETHENE	2.036	106	54180	5.33	PPBV		99
30) ACRYLONITRILE	2.245	52	43642	5.65	PPBV		98
31) METHYLENE CHLORIDE	2.400	84	49865	5.35	PPBV		99
32) 3-CHLOROPROPENE	2.441	76	27594	5.21	PPBV		97
33) FREON 113	2.496	151	94391	5.44	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.721	96	59643	5.32	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.396	59	139322	5.10	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.830	73	179162	5.34	PPBV		97
37) TETRAHYDROFURAN	3.518	72	29434	5.26	PPBV		97
38) HEXANE	3.281	57	107163	5.24	PPBV		99
39) VINYL ACETATE	2.866	86	15656	4.82	PPBV		94
40) 1,1-DICHLOROETHANE	2.795	63	112446	5.24	PPBV		99
41) METHYL ETHYL KETONE	2.962	72	31098	5.28	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.152	96	64258	5.22	PPBV		100
43) DIISOPROPYL ETHER	3.284	59	31191	5.39	PPBV		97
44) ETHYL ACETATE	3.290	61	22898	5.46	PPBV		96
45) METHYL ACRYLATE	3.274	55	129647	5.28	PPBV	#	100
46) CHLOROFORM	3.300	83	128139	5.33	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.792	57	123380	5.22	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	138013	5.27	PPBV		99
49) CARBON TETRACHLORIDE	4.287	117	143015	5.07	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.705	62	97467	5.27	PPBV		100
51)	BENZENE	4.174	78	184175	5.34	PPBV		100
53)	CYCLOHEXANE	4.383	84	81438	5.13	PPBV		98
54)	2,3-DIMETHYLPENTANE	4.634	71	42493	5.21	PPBV		99
55)	TRICHLOROETHENE	5.062	95	88289	5.08	PPBV		98
56)	1,2-DICHLOROPROPANE	4.834	63	73869	5.04	PPBV		99
57)	DIBROMOMETHANE	4.792	174	75119	4.95	PPBV		99
58)	ETHYL ACRYLATE	4.956	55	163994	5.11	PPBV		99
59)	BROMODICHLOROMETHANE	5.010	83	141102	4.96	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	343171	5.32	PPBV		99
61)	1,4-DIOXANE	5.116	88	52796	5.80	PPBV	#	63
62)	HEPTANE	5.470	43	118231	5.24	PPBV		100
63)	METHYL METHACRYLATE	5.370	69	74099	5.29	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.116	58	72901	5.68	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	121502	5.04	PPBV		99
66)	TOLUENE	7.190	91	236256	5.07	PPBV		100
67)	1,3-DICHLOROPROPANE	7.248	76	116018	5.06	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	106931	4.69	PPBV		99
69)	1,1,2-TRICHLOROETHANE	6.821	83	68331	5.17	PPBV		99
70)	2-HEXANONE	7.801	58	133890	7.43	PPBV		99
71)	ETHYL METHACRYLATE	7.898	69	127278	5.21	PPBV		95
72)	TETRACHLOROETHENE	8.911	164	96143	5.35	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.721	129	138711	4.71	PPBV		100
74)	1,2-DIBROMOETHANE	8.058	107	131144	5.20	PPBV		100
75)	OCTANE	9.062	43	163300	5.13	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	106207	5.07	PPBV		99
78)	CHLOROBENZENE	10.110	112	195164	5.17	PPBV		99
79)	ETHYLBENZENE	10.991	91	318088	5.28	PPBV		100
80)	M,P-XYLENE	11.412	91	497734	10.31	PPBV		98
81)	O-XYLENE	12.348	91	254047	5.25	PPBV		99
82)	STYRENE	12.136	104	193679	5.16	PPBV		99
83)	NONANE	13.470	43	175616	5.23	PPBV		99
84)	BROMOFORM	11.226	173	124504	4.75	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	175404	5.22	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	139660	5.10	PPBV		100
88)	ISOPROPYLBENZENE	13.856	120	98143	5.06	PPBV		97
89)	BROMOBENZENE	13.724	77	176709	4.96	PPBV		99
90)	2-CHLOROTOLUENE	14.856	126	88415	4.88	PPBV		99
91)	N-PROPYLBENZENE	15.193	120	103410	5.07	PPBV		100
92)	4-ETHYLTOLUENE	15.640	105	367789	5.15	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	310860	5.20	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.212	118	154089	4.85	PPBV		99
95)	TERT-BUTYLBENZENE	16.528	134	76413	5.38	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.534	105	317907	5.29	PPBV		100
97)	BENZYL CHLORIDE	16.627	91	263588	4.58	PPBV		100
98)	M-DICHLOROBENZENE	16.598	146	201910	4.83	PPBV		100
99)	P-DICHLOROBENZENE	16.692	146	204152	5.04	PPBV		99
100)	O-DICHLOROBENZENE	17.010	146	192317	4.98	PPBV		99
101)	SEC-BUTYLBENZENE	16.839	134	95434	5.29	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	305447	5.07	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.032	134	104354	5.27	PPBV		100
104)	N-BUTYLBENZENE	17.396	134	101938	5.14	PPBV		99
105)	HEXACHLOROETHANE	17.576	117	121825	4.99	PPBV		99
106)	HEXACHLOROBUTADIENE	18.634	225	147583	5.03	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.322	180	175966	4.63	PPBV		100
108)	NAPHTHALENE	18.370	128	372235	4.46	PPBV		100
110)	TVHC as equiv Pentane	2.274	TIC	296961	5.41	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

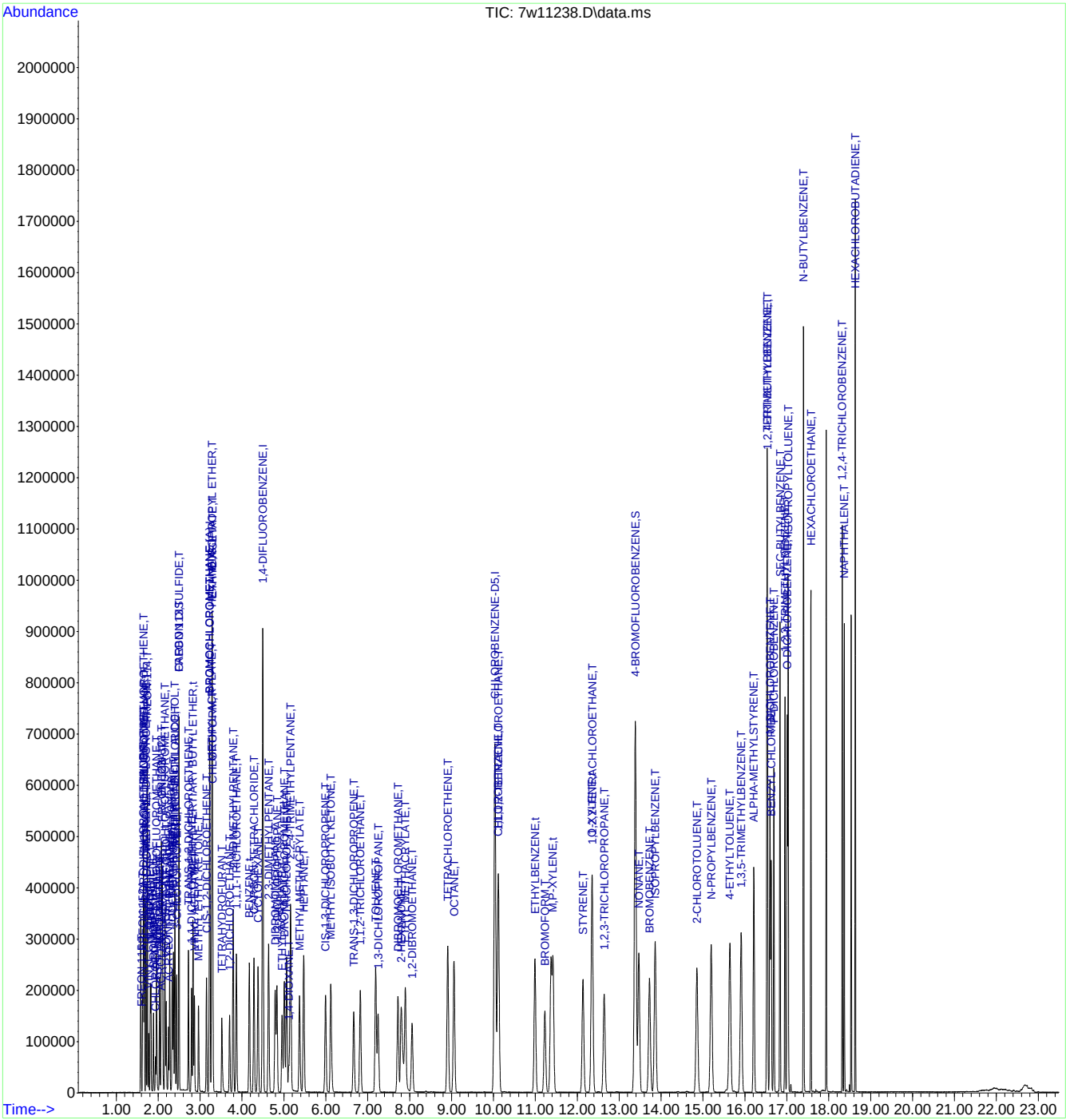
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	131378	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	659033	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	616113	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	131378	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	447162	10.73	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	159197	74.09	PPBV		90
3) FREON 152A	1.625	65	70619	11.74	PPBV		87
4) CHLORODIFLUOROMETHANE	1.638	67	34075	14.82	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.651	116	169558	10.01	PPBV	#	55
6) DICHLORODIFLUOROMETHANE	1.663	85	361796	7.33	PPBV		97
7) PROPYLENE	1.647	41	87865	8.50	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	266833	7.04	PPBV		97
9) FREON 114	1.737	85	300840	8.01	PPBV		92
10) CHLOROMETHANE	1.708	52	33563	7.85	PPBV		94
11) VINYL CHLORIDE	1.769	62	119055	8.61	PPBV		97
12) 1,3-BUTADIENE	1.808	54	94033	8.95	PPBV	#	80
13) N-BUTANE	1.824	43	174592	7.87	PPBV		97
14) BROMOMETHANE	1.882	94	103381	7.11	PPBV		99
15) CHLOROETHANE	1.930	64	61993	8.71	PPBV		95
16) DICHLOROFLUOROMETHANE	1.956	67	253114	7.73	PPBV		97
17) ACETONITRILE	2.023	41	99368	6.46	PPBV		98
18) ACROLEIN	2.062	56	53905	7.69	PPBV		100
19) FREON 123	2.075	83	265342	7.41	PPBV		97
20) FREON 123A	2.091	117	174347	7.60	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.155	101	327408	6.55	PPBV		100
22) ISOPROPYL ALCOHOL	2.175	45	247379	7.31	PPBV		96
23) ACETONE	2.101	58	61121	7.39	PPBV		73
24) PENTANE	2.271	42	126473	7.40	PPBV		95
25) IODOMETHANE	2.332	142	309671	7.54	PPBV		85
26) 1,1-DICHLOROETHYLENE	2.358	96	115617	7.71	PPBV		91
27) CARBON DISULFIDE	2.493	76	317177	9.43	PPBV	#	89
28) ETHANOL	1.959	45	62292	5.92	PPBV		99
29) BROMOETHENE	2.030	106	112928	7.39	PPBV		96
30) ACRYLONITRILE	2.239	52	88292	8.10	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	101654	7.33	PPBV		99
32) 3-CHLOROPROPENE	2.435	76	57302	8.22	PPBV		79
33) FREON 113	2.490	151	193605	6.66	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.718	96	121649	7.89	PPBV		82
35) TERTIARY BUTYL ALCOHOL	2.374	59	282192	7.69	PPBV		93
36) METHYL TERTIARY BUTYL ...	2.824	73	375375	11.26	PPBV		96
37) TETRAHYDROFURAN	3.506	72	60165	8.30	PPBV		99
38) HEXANE	3.274	57	225309	9.57	PPBV		99
39) VINYL ACETATE	2.859	86	34415	8.74	PPBV		87
40) 1,1-DICHLOROETHANE	2.792	63	238292	11.30	PPBV		98
41) METHYL ETHYL KETONE	2.956	72	65627	8.91	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.149	96	136752	8.67	PPBV	#	78
43) DIISOPROPYL ETHER	3.281	59	65052	9.34	PPBV		86
44) ETHYL ACETATE	3.284	61	47399	8.74	PPBV		89
45) METHYL ACRYLATE	3.271	55	274676	9.87	PPBV	#	98
46) CHLOROFORM	3.297	83	272447	9.74	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	264908	10.43	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.863	97	291408	11.12	PPBV	#	100
49) CARBON TETRACHLORIDE	4.281	117	312176	12.66	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	207916	14.06	PPBV	#	96
51) BENZENE	4.171	78	391264	8.99	PPBV		89
53) CYCLOHEXANE	4.377	84	176001	9.71	PPBV		86
54) 2,3-DIMETHYLPENTANE	4.631	71	90898	9.87	PPBV		87
55) TRICHLOROETHENE	5.062	95	186075	9.84	PPBV		89
56) 1,2-DICHLOROPROPANE	4.827	63	156355	10.04	PPBV		92
57) DIBROMOMETHANE	4.789	174	163006	10.89	PPBV		88
58) ETHYL ACRYLATE	4.949	55	347446	10.77	PPBV		97
59) BROMODICHLOROMETHANE	5.007	83	305589	11.32	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.155	57	711259	10.97	PPBV		97
61) 1,4-DIOXANE	5.078	88	98611	8.03	PPBV		86
62) HEPTANE	5.467	43	252921	10.32	PPBV		98
63) METHYL METHACRYLATE	5.367	69	155284	10.18	PPBV		95
64) METHYL ISOBUTYL KETONE	6.094	58	141262	9.65	PPBV		92
65) CIS-1,3-DICHLOROPROPENE	5.988	75	260974	11.14	PPBV		92
66) TOLUENE	7.190	91	501403	9.17	PPBV		98
67) 1,3-DICHLOROPROPANE	7.245	76	248146	10.14	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	233274	11.52	PPBV		96
69) 1,1,2-TRICHLOROETHANE	6.821	83	143467	9.13	PPBV		96
70) 2-HEXANONE	7.756	58	195827	9.35	PPBV		95
71) ETHYL METHACRYLATE	7.888	69	260347	9.94	PPBV		98
72) TETRACHLOROETHENE	8.907	164	198985	11.49	PPBV		96
73) DIBROMOCHLOROMETHANE	7.721	129	308021	12.06	PPBV		100
74) 1,2-DIBROMOETHANE	8.055	107	281582	10.52	PPBV		99
75) OCTANE	9.059	43	351937	10.13	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	10.120	131	230902	11.97	PPBV		97
78) CHLOROBENZENE	10.110	112	416067	9.97	PPBV		97
79) ETHYLBENZENE	10.988	91	677850	9.63	PPBV		99
80) M,P-XYLENE	11.419	91	1056677	19.39	PPBV		96
81) O-XYLENE	12.345	91	537862	9.76	PPBV		99
82) STYRENE	12.132	104	417847	9.89	PPBV		94
83) NONANE	13.470	43	371464	9.82	PPBV		89
84) BROMOFORM	11.226	173	280283	12.71	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	374106	8.64	PPBV	#	97
86) 1,2,3-TRICHLOROPROPANE	12.640	75	296227	10.40	PPBV		100
88) ISOPROPYLBENZENE	13.859	120	209134	9.89	PPBV		98
89) BROMOBENZENE	13.721	77	377278	10.25	PPBV		99
90) 2-CHLOROTOLUENE	14.849	126	189709	10.34	PPBV		100
91) N-PROPYLBENZENE	15.197	120	218536	10.09	PPBV		98
92) 4-ETHYLTOLUENE	15.640	105	780911	9.78	PPBV		96
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	651438	10.03	PPBV		97
94) ALPHA-METHYLSTYRENE	16.213	118	327935	9.46	PPBV		98
95) TERT-BUTYLBENZENE	16.528	134	157884	10.20	PPBV		88
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	662762	9.43	PPBV		94
97) BENZYL CHLORIDE	16.627	91	587334	9.57	PPBV	#	93
98) M-DICHLOROBENZENE	16.598	146	434222	9.56	PPBV	#	100
99) P-DICHLOROBENZENE	16.692	146	438983	9.89	PPBV		98
100) O-DICHLOROBENZENE	17.007	146	411459	9.52	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	198439	9.99	PPBV	#	1
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	642624	9.11	PPBV		97
103) P-ISOPROPYLTOLUENE	17.029	134	216933	9.81	PPBV	#	100
104) N-BUTYLBENZENE	17.393	134	214010	9.26	PPBV	#	1
105) HEXACHLOROETHANE	17.573	117	268359	10.15	PPBV		95
106) HEXACHLOROBUTADIENE	18.631	225	315642	11.07	PPBV	#	1
107) 1,2,4-TRICHLOROBENZENE	18.319	180	394080	10.00	PPBV		99
108) NAPHTHALENE	18.367	128	863409	10.22	PPBV		100
110) TVHC as equiv Pentane	2.271	TIC	604399	7.36	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

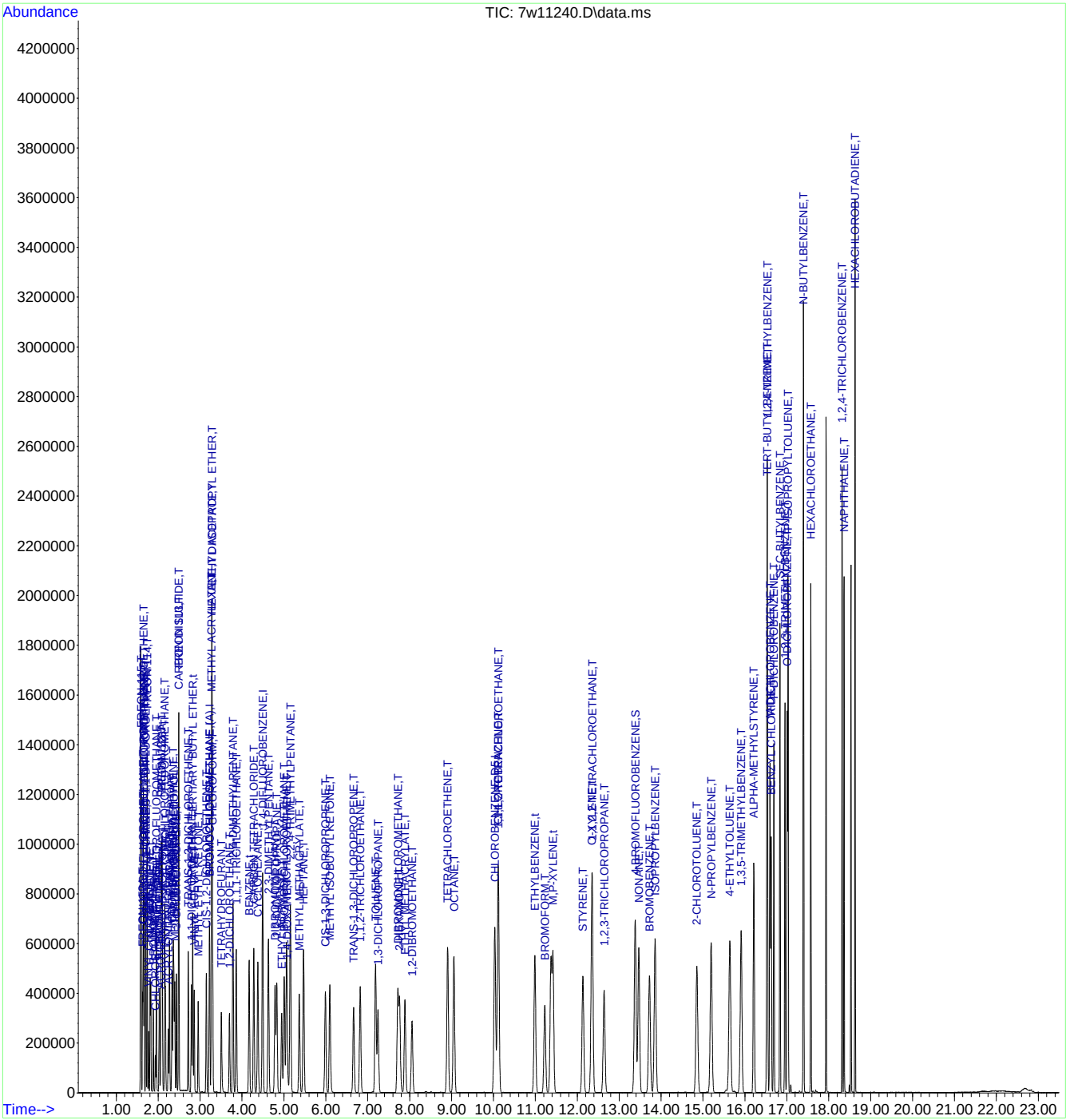
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	126854	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	638427	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	603108	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	126854	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	441368	10.06	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	306896	26.40	PPBV		99
3) FREON 152A	1.625	65	138617	22.37	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	66594	22.10	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	326020	21.56	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.667	85	699867	22.02	PPBV		100
7) PROPYLENE	1.647	41	169555	22.33	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	512499	21.75	PPBV		100
9) FREON 114	1.737	85	580240	22.76	PPBV		100
10) CHLOROMETHANE	1.708	52	64518	21.24	PPBV		99
11) VINYL CHLORIDE	1.769	62	232906	21.63	PPBV		99
12) 1,3-BUTADIENE	1.808	54	182551	22.51	PPBV		99
13) N-BUTANE	1.824	43	338097	22.35	PPBV		100
14) BROMOMETHANE	1.882	94	198021	21.52	PPBV		100
15) CHLOROETHANE	1.930	64	118969	21.35	PPBV		99
16) DICHLOROFLUOROMETHANE	1.956	67	488646	21.83	PPBV		100
17) ACETONITRILE	2.023	41	192313	21.06	PPBV		99
18) ACROLEIN	2.062	56	106570	22.10	PPBV		99
19) FREON 123	2.075	83	511901	21.82	PPBV		100
20) FREON 123A	2.094	117	333208	22.49	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.159	101	623390	21.54	PPBV		99
22) ISOPROPYL ALCOHOL	2.171	45	473419	21.61	PPBV		100
23) ACETONE	2.101	58	117725	21.30	PPBV		98
24) PENTANE	2.271	42	244309	22.30	PPBV		100
25) IODOMETHANE	2.332	142	591604	22.44	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	221667	21.84	PPBV		100
27) CARBON DISULFIDE	2.493	76	613010	21.98	PPBV		99
28) ETHANOL	1.959	45	118748	20.62	PPBV		100
29) BROMOETHENE	2.033	106	214598	21.70	PPBV		99
30) ACRYLONITRILE	2.242	52	169494	22.65	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	194495	21.35	PPBV		97
32) 3-CHLOROPROPENE	2.438	76	110765	21.67	PPBV		99
33) FREON 113	2.493	151	367709	21.49	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	235716	21.81	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	539655	20.14	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.824	73	723428	22.26	PPBV		100
37) TETRAHYDROFURAN	3.506	72	117493	21.83	PPBV		98
38) HEXANE	3.277	57	430909	21.67	PPBV		99
39) VINYL ACETATE	2.859	86	67826	22.25	PPBV		97
40) 1,1-DICHLOROETHANE	2.792	63	457937	22.05	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	126630	22.17	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.149	96	263112	22.01	PPBV		99
43) DIISOPROPYL ETHER	3.281	59	125352	22.33	PPBV		99
44) ETHYL ACETATE	3.284	61	89942	21.78	PPBV		97
45) METHYL ACRYLATE	3.271	55	529034	22.22	PPBV	#	100
46) CHLOROFORM	3.300	83	516462	21.80	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.785	57	506373	22.17	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.863	97	564470	22.35	PPBV		100
49) CARBON TETRACHLORIDE	4.281	117	609663	22.69	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	62	402638	22.56	PPBV	99
51)	BENZENE	4.171	78	755006	22.64	PPBV	100
53)	CYCLOHEXANE	4.377	84	339869	22.43	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.631	71	174649	22.38	PPBV	100
55)	TRICHLOROETHENE	5.062	95	359704	21.51	PPBV	100
56)	1,2-DICHLOROPROPANE	4.830	63	303407	21.63	PPBV	100
57)	DIBROMOMETHANE	4.789	174	312992	21.48	PPBV	100
58)	ETHYL ACRYLATE	4.946	55	676723	22.37	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	587425	21.65	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	1375032	22.23	PPBV	100
61)	1,4-DIOXANE	5.072	88	186784	20.95	PPBV	98
62)	HEPTANE	5.470	43	488300	22.76	PPBV	100
63)	METHYL METHACRYLATE	5.367	69	299512	22.42	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.094	58	271987	22.01	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	507797	22.32	PPBV	100
66)	TOLUENE	7.190	91	973750	22.00	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	478931	21.95	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	458798	21.61	PPBV	99
69)	1,1,2-TRICHLOROETHANE	6.824	83	278027	22.03	PPBV	100
70)	2-HEXANONE	7.760	58	377518	21.81	PPBV	99
71)	ETHYL METHACRYLATE	7.891	69	506129	21.83	PPBV	100
72)	TETRACHLOROETHENE	8.911	164	383020	22.40	PPBV	99
73)	DIBROMOCHLOROMETHANE	7.721	129	613995	22.67	PPBV	100
74)	1,2-DIBROMOETHANE	8.062	107	545593	22.79	PPBV	99
75)	OCTANE	9.059	43	685319	22.86	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.126	131	451908	22.41	PPBV	100
78)	CHLOROBENZENE	10.113	112	814457	22.39	PPBV	100
79)	ETHYLBENZENE	10.991	91	1320164	22.74	PPBV	100
80)	M,P-XYLENE	11.422	91	2058784	44.15	PPBV	97
81)	O-XYLENE	12.351	91	1048912	22.42	PPBV	100
82)	STYRENE	12.136	104	820877	23.04	PPBV	100
83)	NONANE	13.476	43	726869	22.53	PPBV	100
84)	BROMOFORM	11.229	173	563890	23.16	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.364	83	732603	22.70	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	576776	21.83	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	409277	21.93	PPBV	100
89)	BROMOBENZENE	13.727	77	739407	21.57	PPBV	99
90)	2-CHLOROTOLUENE	14.859	126	371222	21.39	PPBV	100
91)	N-PROPYLBENZENE	15.200	120	428493	21.98	PPBV	100
92)	4-ETHYLTOLUENE	15.643	105	1547675	23.00	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.917	105	1290766	22.94	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.216	118	655690	22.20	PPBV	100
95)	TERT-BUTYLBENZENE	16.531	134	310716	22.85	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.541	105	1317303	23.21	PPBV	100
97)	BENZYL CHLORIDE	16.631	91	1195390	22.98	PPBV	100
98)	M-DICHLOROBENZENE	16.602	146	866695	22.10	PPBV	100
99)	P-DICHLOROBENZENE	16.695	146	880704	23.27	PPBV	99
100)	O-DICHLOROBENZENE	17.010	146	820370	22.71	PPBV	100
101)	SEC-BUTYLBENZENE	16.840	134	391899	22.95	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	16.959	105	1280395	22.70	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.032	134	426177	22.64	PPBV	99
104)	N-BUTYLBENZENE	17.396	134	426836	23.04	PPBV	99
105)	HEXACHLOROETHANE	17.573	117	540620	23.91	PPBV	100
106)	HEXACHLOROBUTADIENE	18.634	225	657155	24.71	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.322	180	830811	25.23	PPBV	100
108)	NAPHTHALENE	18.370	128	1764884	24.88	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	1194978	22.35	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

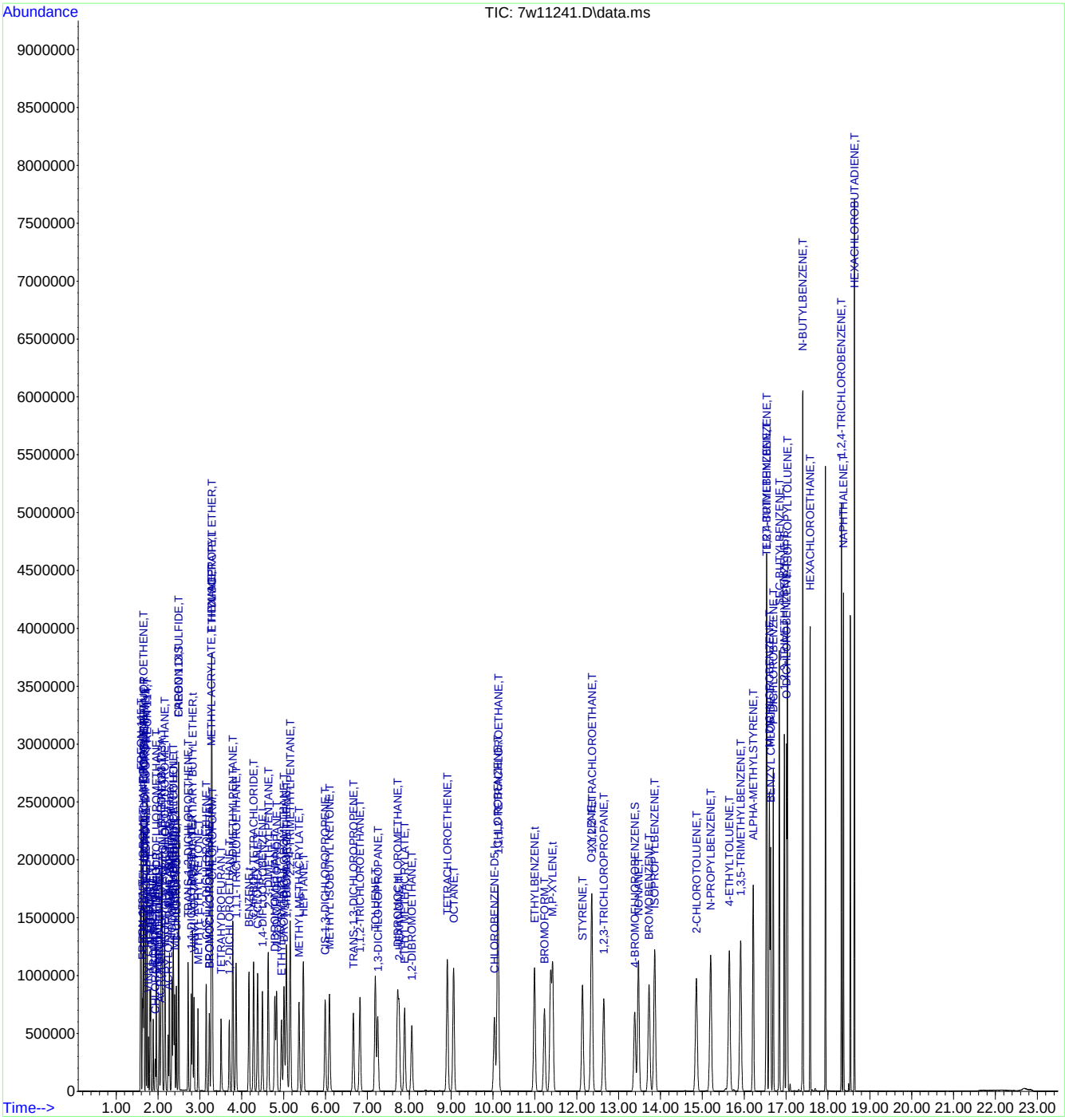
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	128392	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	638040	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	608914	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	128392	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	448477	10.10	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	78301	6.17	PPBV		99
3) FREON 152A	1.628	65	271083	42.58	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	132367	42.80	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	640501	41.48	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.667	85	1369137	42.02	PPBV		99
7) PROPYLENE	1.647	41	334942	43.23	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	992525	41.26	PPBV		99
9) FREON 114	1.737	85	1128910	43.25	PPBV		100
10) CHLOROMETHANE	1.708	52	126447	40.84	PPBV		99
11) VINYL CHLORIDE	1.770	62	457248	41.26	PPBV		99
12) 1,3-BUTADIENE	1.808	54	359850	43.23	PPBV		98
13) N-BUTANE	1.824	43	664309	42.89	PPBV		100
14) BROMOMETHANE	1.882	94	388703	41.40	PPBV		99
15) CHLOROETHANE	1.930	64	234917	41.29	PPBV		98
16) DICHLOROFLUOROMETHANE	1.956	67	953303	41.67	PPBV		99
17) ACETONITRILE	2.024	41	382342	40.79	PPBV		99
18) ACROLEIN	2.062	56	210760	42.45	PPBV		98
19) FREON 123	2.075	83	1007587	42.03	PPBV		99
20) FREON 123A	2.094	117	645065	42.70	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.159	101	1198641	40.71	PPBV		99
22) ISOPROPYL ALCOHOL	2.171	45	919602	41.21	PPBV		99
23) ACETONE	2.101	58	229086	40.49	PPBV		96
24) PENTANE	2.271	42	476107	42.62	PPBV		99
25) IODOMETHANE	2.332	142	1141436	42.49	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	433522	41.91	PPBV		98
27) CARBON DISULFIDE	2.493	76	1199868	41.99	PPBV		98
28) ETHANOL	1.959	45	231131	39.51	PPBV		99
29) BROMOETHENE	2.033	106	418405	41.48	PPBV		99
30) ACRYLONITRILE	2.242	52	329828	43.13	PPBV		98
31) METHYLENE CHLORIDE	2.397	84	377713	40.74	PPBV		99
32) 3-CHLOROPROPENE	2.438	76	216809	41.46	PPBV		98
33) FREON 113	2.493	151	702415	40.38	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	459126	41.44	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	1038619	38.07	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.824	73	1408890	42.40	PPBV		99
37) TETRAHYDROFURAN	3.503	72	230020	41.68	PPBV		98
38) HEXANE	3.278	57	841035	41.48	PPBV		99
39) VINYL ACETATE	2.860	86	135381	42.88	PPBV		96
40) 1,1-DICHLOROETHANE	2.792	63	894939	42.15	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	247507	42.44	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.152	96	508963	41.67	PPBV		98
43) DIISOPROPYL ETHER	3.281	59	242060	42.13	PPBV		100
44) ETHYL ACETATE	3.287	61	173891	41.49	PPBV		97
45) METHYL ACRYLATE	3.271	55	1030168	42.35	PPBV	#	100
46) CHLOROFORM	3.300	83	994566	41.35	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.786	57	995716	42.70	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	1104833	42.73	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	1201848	43.46	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	62	786023	43.02	PPBV	100
51)	BENZENE	4.171	78	1476843	43.33	PPBV	100
53)	CYCLOHEXANE	4.380	84	660333	43.05	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	342659	43.55	PPBV	99
55)	TRICHLOROETHENE	5.065	95	697734	41.42	PPBV	100
56)	1,2-DICHLOROPROPANE	4.834	63	592598	41.86	PPBV	100
57)	DIBROMOMETHANE	4.792	174	613694	41.83	PPBV	100
58)	ETHYL ACRYLATE	4.953	55	1336385	43.54	PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1156711	42.23	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	2680756	42.95	PPBV	100
61)	1,4-DIOXANE	5.072	88	360357	40.48	PPBV	97
62)	HEPTANE	5.474	43	959929	44.25	PPBV	100
63)	METHYL METHACRYLATE	5.367	69	588562	43.68	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.094	58	531405	42.76	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	1007886	43.71	PPBV	100
66)	TOLUENE	7.194	91	1917193	42.81	PPBV	99
67)	1,3-DICHLOROPROPANE	7.252	76	942161	42.70	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.670	75	919599	42.50	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	546179	42.88	PPBV	100
70)	2-HEXANONE	7.760	58	734508	42.06	PPBV	98
71)	ETHYL METHACRYLATE	7.898	69	990940	42.20	PPBV	99
72)	TETRACHLOROETHENE	8.914	164	760618	44.10	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.724	129	1226800	44.15	PPBV	100
74)	1,2-DIBROMOETHANE	8.068	107	1076666	44.47	PPBV	100
75)	OCTANE	9.065	43	1356937	44.57	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.133	131	890891	43.21	PPBV	99
78)	CHLOROBENZENE	10.120	112	1599753	43.04	PPBV	99
79)	ETHYLBENZENE	10.997	91	2611736	44.06	PPBV	99
80)	M,P-XYLENE	11.428	91	4059078	85.31	PPBV	97
81)	O-XYLENE	12.358	91	2063787	43.28	PPBV	99
82)	STYRENE	12.145	104	1646434	45.06	PPBV	99
83)	NONANE	13.483	43	1444945	43.88	PPBV	99
84)	BROMOFORM	11.239	173	1131928	44.81	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.377	83	1439647	43.59	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.653	75	1138740	42.27	PPBV	100
88)	ISOPROPYLBENZENE	13.872	120	810452	42.53	PPBV	99
89)	BROMOBENZENE	13.737	77	1459071	41.64	PPBV	100
90)	2-CHLOROTOLUENE	14.865	126	737857	41.58	PPBV	100
91)	N-PROPYLBENZENE	15.206	120	861737	43.25	PPBV	99
92)	4-ETHYLTOLUENE	15.650	105	3111086	44.97	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.927	105	2621466	45.35	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.219	118	1342872	44.04	PPBV	100
95)	TERT-BUTYLBENZENE	16.537	134	619552	44.56	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.547	105	2668790	45.73	PPBV	99
97)	BENZYL CHLORIDE	16.634	91	2480317	45.63	PPBV	100
98)	M-DICHLOROBENZENE	16.608	146	1757061	43.47	PPBV	100
99)	P-DICHLOROBENZENE	16.698	146	1789106	45.79	PPBV	99
100)	O-DICHLOROBENZENE	17.017	146	1669395	44.86	PPBV	100
101)	SEC-BUTYLBENZENE	16.843	134	787041	44.86	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.962	105	2615378	45.01	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.036	134	851176	44.08	PPBV	99
104)	N-BUTYLBENZENE	17.399	134	867814	45.39	PPBV	99
105)	HEXACHLOROETHANE	17.576	117	1087679	46.31	PPBV	100
106)	HEXACHLOROBUTADIENE	18.634	225	1294963	46.02	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.325	180	1761750	50.35	PPBV	99
108)	NAPHTHALENE	18.373	128	3967394	52.90	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	2326791	42.64	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

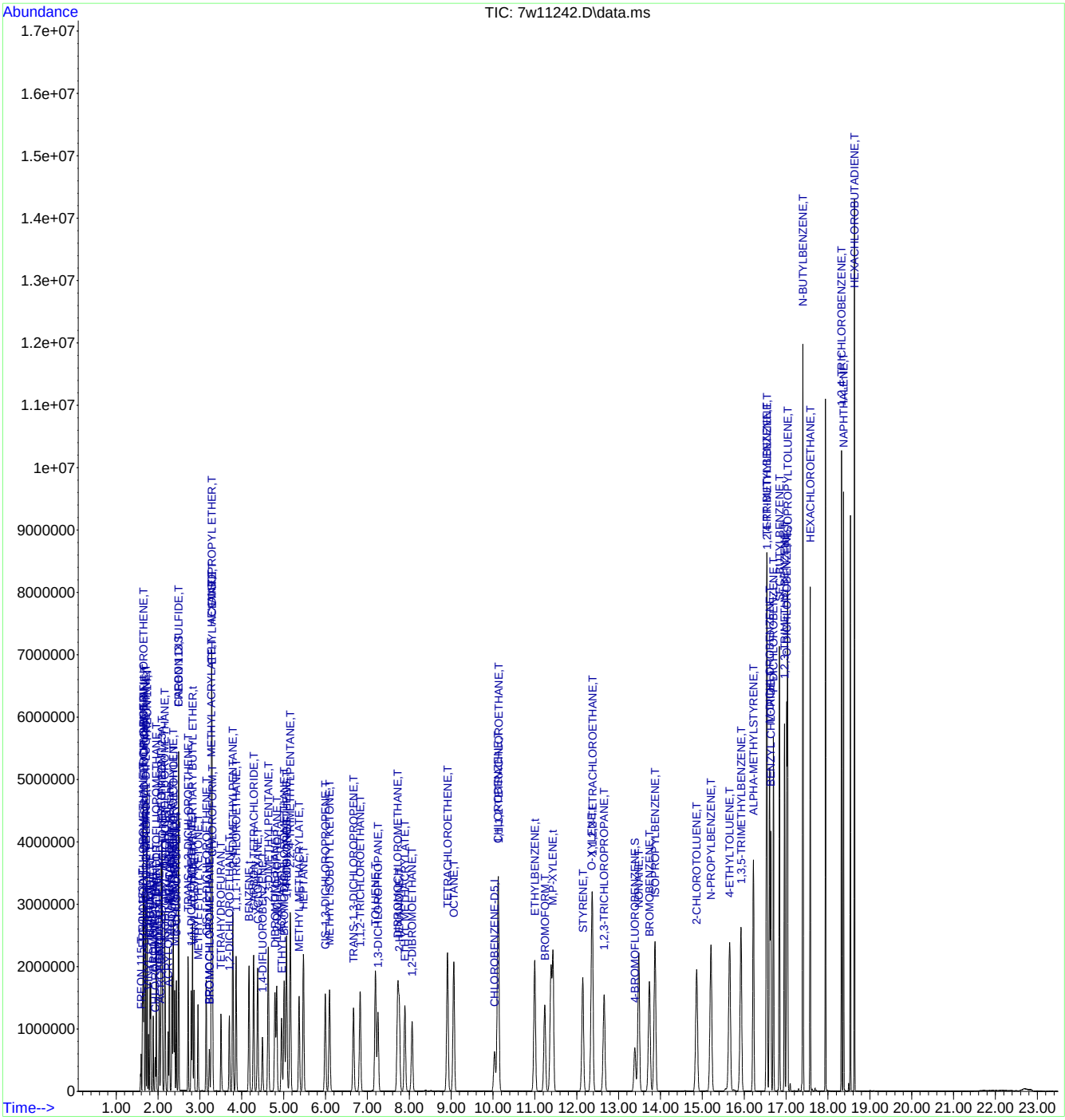
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	131520	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	651140	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	631688	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131506	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.390	95	464012	10.05	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	741705	72.63	PPBV		100
3) FREON 152A	1.628	65	330254	50.71	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	159956	50.37	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	768882	48.76	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.667	85	1645131	49.40	PPBV		99
7) PROPYLENE	1.647	41	405917	51.25	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	1189703	48.61	PPBV		99
9) FREON 114	1.737	85	1353130	50.82	PPBV		100
10) CHLOROMETHANE	1.708	52	152465	48.29	PPBV		98
11) VINYL CHLORIDE	1.770	62	552847	48.68	PPBV		100
12) 1,3-BUTADIENE	1.808	54	438160	51.38	PPBV		98
13) N-BUTANE	1.824	43	801394	50.60	PPBV		99
14) BROMOMETHANE	1.882	94	469518	48.99	PPBV		99
15) CHLOROETHANE	1.930	64	286683	49.28	PPBV		98
16) DICHLOROFLUOROMETHANE	1.956	67	1156192	49.55	PPBV		99
17) ACETONITRILE	2.024	41	464245	48.23	PPBV		99
18) ACROLEIN	2.062	56	255031	50.01	PPBV		99
19) FREON 123	2.075	83	1209864	49.38	PPBV		99
20) FREON 123A	2.094	117	776496	50.55	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.159	101	1437566	48.14	PPBV		100
22) ISOPROPYL ALCOHOL	2.171	45	1119311	49.31	PPBV		99
23) ACETONE	2.101	58	279034	48.35	PPBV		94
24) PENTANE	2.271	42	578759	50.86	PPBV		98
25) IODOMETHANE	2.332	142	1380179	50.59	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	522266	49.55	PPBV		98
27) CARBON DISULFIDE	2.493	76	1448449	49.60	PPBV		97
28) ETHANOL	1.959	45	282775	47.56	PPBV		99
29) BROMOETHENE	2.030	106	504672	49.11	PPBV		99
30) ACRYLONITRILE	2.242	52	403117	51.71	PPBV		99
31) METHYLENE CHLORIDE	2.397	84	457423	48.53	PPBV		99
32) 3-CHLOROPROPENE	2.438	76	264624	49.56	PPBV		96
33) FREON 113	2.493	151	847049	48.11	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	555898	49.15	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	1254686	45.34	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.824	73	1709140	50.45	PPBV		100
37) TETRAHYDROFURAN	3.503	72	279916	49.61	PPBV		99
38) HEXANE	3.277	57	1018882	49.33	PPBV		98
39) VINYL ACETATE	2.863	86	164258	50.40	PPBV		100
40) 1,1-DICHLOROETHANE	2.795	63	1086544	50.15	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	300553	50.53	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.152	96	620942	49.96	PPBV		98
43) DIISOPROPYL ETHER	3.284	59	294295	50.32	PPBV		99
44) ETHYL ACETATE	3.287	61	210312	49.48	PPBV		98
45) METHYL ACRYLATE	3.274	55	1251870	50.49	PPBV	#	100
46) CHLOROFORM	3.303	83	1199986	49.23	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.789	57	1214203	50.98	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	1336098	50.59	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	1464922	51.64	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.705	62	955960	51.25	PPBV	100
51)	BENZENE	4.175	78	1792719	51.55	PPBV	100
53)	CYCLOHEXANE	4.380	84	802582	51.32	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	416634	51.90	PPBV	99
55)	TRICHLOROETHENE	5.068	95	847031	49.44	PPBV	100
56)	1,2-DICHLOROPROPANE	4.837	63	718356	49.76	PPBV	100
57)	DIBROMOMETHANE	4.795	174	746491	49.91	PPBV	100
58)	ETHYL ACRYLATE	4.953	55	1632310	51.89	PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1408411	50.31	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.162	57	3257100	51.21	PPBV	100
61)	1,4-DIOXANE	5.075	88	440803	48.96	PPBV	97
62)	HEPTANE	5.474	43	1173841	52.95	PPBV	100
63)	METHYL METHACRYLATE	5.371	69	720078	52.34	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.101	58	647296	51.17	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.998	75	1227694	51.89	PPBV	99
66)	TOLUENE	7.197	91	2335761	50.98	PPBV	99
67)	1,3-DICHLOROPROPANE	7.258	76	1144657	50.75	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.673	75	1120807	50.23	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	664842	51.12	PPBV	100
70)	2-HEXANONE	7.766	58	885743	49.80	PPBV	99
71)	ETHYL METHACRYLATE	7.901	69	1209704	50.42	PPBV	99
72)	TETRACHLOROETHENE	8.917	164	924639	52.38	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.724	129	1501535	52.28	PPBV	100
74)	1,2-DIBROMOETHANE	8.075	107	1306005	52.72	PPBV	100
75)	OCTANE	9.068	43	1653400	52.92	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.136	131	1082043	50.59	PPBV	100
78)	CHLOROBENZENE	10.123	112	1946099	50.52	PPBV	99
79)	ETHYLBENZENE	11.001	91	3179194	51.68	PPBV	99
80)	M,P-XYLENE	11.435	91	4921035	99.78	PPBV	98
81)	O-XYLENE	12.361	91	2517379	50.98	PPBV	99
82)	STYRENE	12.149	104	2010092	52.71	PPBV	99
83)	NONANE	13.486	43	1757408	51.36	PPBV	99
84)	BROMOFORM	11.242	173	1393708	52.57	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.380	83	1753514	51.18	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.660	75	1387618	49.69	PPBV	100
88)	ISOPROPYLBENZENE	13.875	120	989751	50.03	PPBV	99
89)	BROMOBENZENE	13.740	77	1780294	48.96	PPBV	100
90)	2-CHLOROTOLUENE	14.872	126	902403	48.90	PPBV	100
91)	N-PROPYLBENZENE	15.209	120	1049686	50.53	PPBV	100
92)	4-ETHYLTOLUENE	15.656	105	3853366	53.27	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.927	105	3207147	52.95	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.226	118	1650946	51.44	PPBV	100
95)	TERT-BUTYLBENZENE	16.537	134	754397	52.14	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.550	105	3224984	52.75	PPBV	99
97)	BENZYL CHLORIDE	16.637	91	3059411	52.97	PPBV	100
98)	M-DICHLOROBENZENE	16.608	146	2144105	50.56	PPBV	100
99)	P-DICHLOROBENZENE	16.701	146	2186003	53.27	PPBV	99
100)	O-DICHLOROBENZENE	17.016	146	2046435	52.38	PPBV	100
101)	SEC-BUTYLBENZENE	16.846	134	958582	52.29	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.965	105	3193608	52.30	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.039	134	1037323	51.52	PPBV	100
104)	N-BUTYLBENZENE	17.402	134	1055468	52.54	PPBV	98
105)	HEXACHLOROETHANE	17.579	117	1337599	54.18	PPBV	99
106)	HEXACHLOROBUTADIENE	18.640	225	1579214	53.23	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.328	180	2214716	58.74	PPBV	99
108)	NAPHTHALENE	18.377	128	5075640	61.94	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	2805792	50.47	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

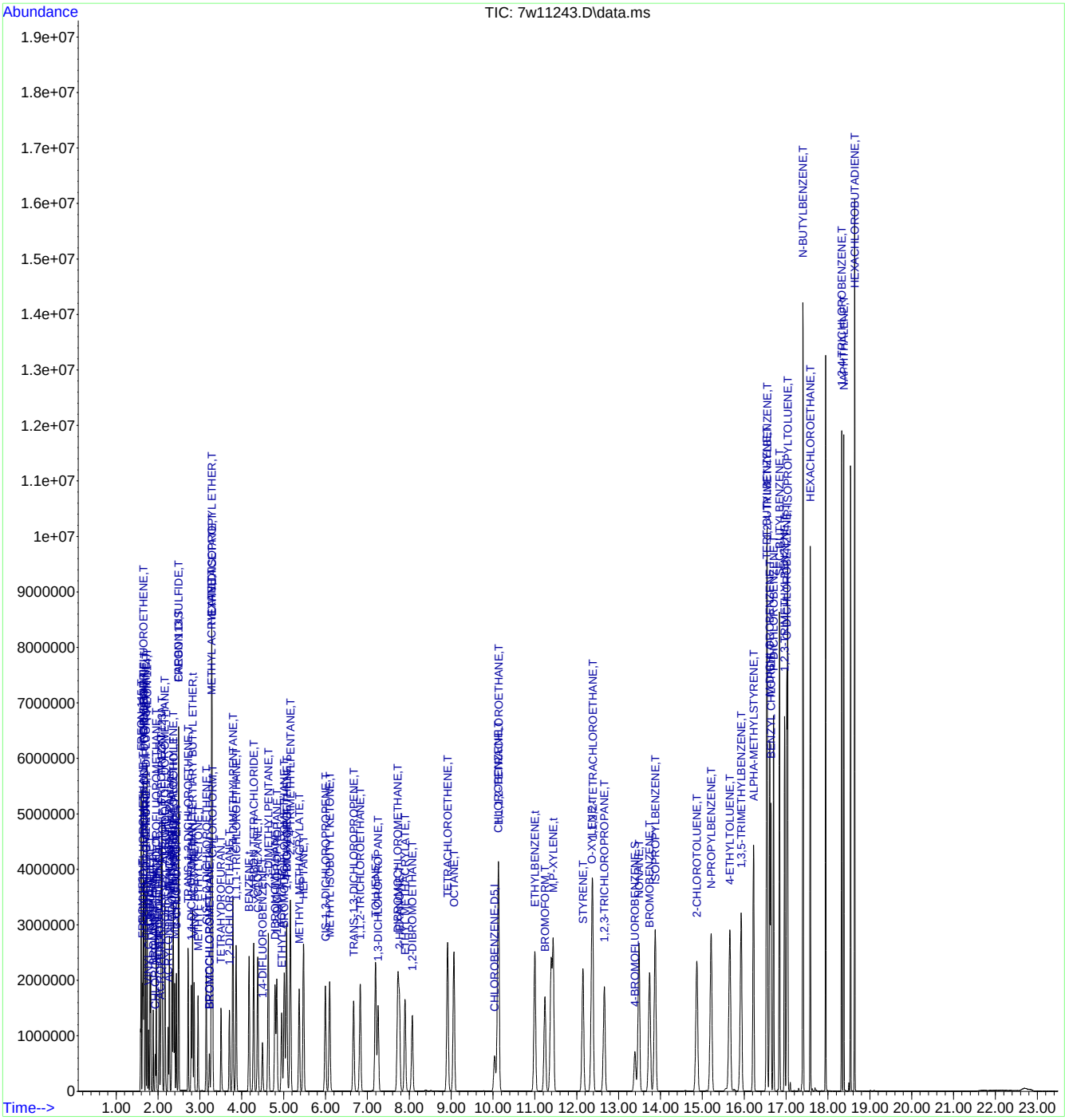
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	128326	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	645131	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	603905	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	128326	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	441032	10.06	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.625	65	70330	11.51	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	34678	11.18	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	167351	11.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.667	85	361530	11.30	PPBV		100
7) PROPYLENE	1.647	41	87750	10.42	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	268830	11.34	PPBV		100
9) FREON 114	1.737	85	299987	11.82	PPBV		100
10) CHLOROMETHANE	1.708	52	32863	9.89	PPBV		98
11) VINYL CHLORIDE	1.770	62	117466	10.94	PPBV		99
12) 1,3-BUTADIENE	1.808	54	93721	10.25	PPBV		98
13) N-BUTANE	1.824	43	176537	10.61	PPBV		99
14) BROMOMETHANE	1.882	94	103865	10.82	PPBV		99
15) CHLOROETHANE	1.930	64	61928	10.66	PPBV		99
16) DICHLOROFLUOROMETHANE	1.956	67	260538	11.51	PPBV		100
17) ACETONITRILE	2.024	41	102868	9.97	PPBV		99
18) ACROLEIN	2.062	56	56736	11.23	PPBV		97
19) FREON 123	2.075	83	258469	10.59	PPBV		98
20) FREON 123A	2.091	117	158572	10.43	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.155	101	326972	11.60	PPBV		99
22) ISOPROPYL ALCOHOL	2.175	45	252254	10.61	PPBV		100
23) ACETONE	2.101	58	61862	8.30	PPBV		98
24) PENTANE	2.271	42	125892	11.02	PPBV		100
25) IODOMETHANE	2.332	142	311082	12.05	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.358	96	116228	10.45	PPBV		100
27) CARBON DISULFIDE	2.493	76	336807	12.16	PPBV		100
28) ETHANOL	1.959	45	54389	8.36	PPBV		100
29) BROMOETHENE	2.030	106	110904	10.85	PPBV		99
30) ACRYLONITRILE	2.242	52	88143	9.55	PPBV		98
31) METHYLENE CHLORIDE	2.397	84	104004	10.24	PPBV		97
32) 3-CHLOROPROPENE	2.438	76	58086	10.99	PPBV		98
33) FREON 113	2.490	151	198243	11.77	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	124974	10.79	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.374	59	310048	11.34	PPBV		100
36) METHYL TERTIARY BUTYL ...	2.824	73	371996	11.23	PPBV		99
37) TETRAHYDROFURAN	3.506	72	62673	12.21	PPBV		95
38) HEXANE	3.278	57	218344	10.33	PPBV		99
39) VINYL ACETATE	2.860	86	35662	11.38	PPBV		95
40) 1,1-DICHLOROETHANE	2.792	63	235369	11.36	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	64179	11.26	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.149	96	136309	11.43	PPBV		100
43) DIISOPROPYL ETHER	3.281	59	65035	11.11	PPBV		96
44) ETHYL ACETATE	3.284	61	45987	11.36	PPBV		98
45) METHYL ACRYLATE	3.271	55	275665	11.61	PPBV	#	99
46) CHLOROFORM	3.297	83	276173	11.77	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.786	57	258551	11.06	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.863	97	291531	11.59	PPBV		100
49) CARBON TETRACHLORIDE	4.281	117	311447	12.49	PPBV		100
50) 1,2-DICHLOROETHANE	3.702	62	207686	11.83	PPBV		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	391655	11.43	PPBV	100
53)	CYCLOHEXANE	4.377	84	173685	11.40	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.631	71	90324	11.29	PPBV	98
55)	TRICHLOROETHENE	5.062	95	186131	11.35	PPBV	99
56)	1,2-DICHLOROPROPANE	4.831	63	156847	11.21	PPBV	99
57)	DIBROMOMETHANE	4.789	174	165870	10.76	PPBV	100
58)	ETHYL ACRYLATE	4.946	55	348773	11.73	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	304404	11.65	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	699924	11.28	PPBV	100
61)	1,4-DIOXANE	5.078	88	97454	10.66	PPBV	99
62)	HEPTANE	5.467	43	248482	11.40	PPBV	99
63)	METHYL METHACRYLATE	5.367	69	154917	11.06	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.094	58	139000	10.68	PPBV	100
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	243164	11.10	PPBV	99
66)	TOLUENE	7.187	91	493387	10.82	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	247994	11.65	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	231781	11.25	PPBV	100
69)	1,1,2-TRICHLOROETHANE	6.821	83	144738	11.55	PPBV	100
70)	2-HEXANONE	7.760	58	194335	9.56	PPBV	99
71)	ETHYL METHACRYLATE	7.888	69	261342	10.73	PPBV	100
72)	TETRACHLOROETHENE	8.908	164	197736	11.45	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.718	129	308711	11.73	PPBV	100
74)	1,2-DIBROMOETHANE	8.059	107	282440	12.31	PPBV	100
75)	OCTANE	9.055	43	344924	11.17	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	230150	11.92	PPBV	100
78)	CHLOROBENZENE	10.110	112	411539	11.71	PPBV	99
79)	ETHYLBENZENE	10.991	91	673474	11.32	PPBV	100
80)	M,P-XYLENE	11.422	91	1045863	23.44	PPBV	98
81)	O-XYLENE	12.345	91	527613	11.27	PPBV	100
82)	STYRENE	12.136	104	411836	12.28	PPBV	100
83)	NONANE	13.467	43	366216	11.39	PPBV	99
84)	BROMOFORM	11.226	173	264242	11.41	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	378232	12.14	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	297750	11.98	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	209087	11.69	PPBV	100
89)	BROMOBENZENE	13.724	77	380384	11.41	PPBV	100
90)	2-CHLOROTOLUENE	14.856	126	191686	11.78	PPBV	99
91)	N-PROPYLBENZENE	15.197	120	216658	11.95	PPBV	100
92)	4-ETHYLTOLUENE	15.640	105	779399	11.98	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	647532	11.83	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.213	118	336497	12.04	PPBV	99
95)	TERT-BUTYLBENZENE	16.528	134	157132	11.99	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	661357	11.98	PPBV	100
97)	BENZYL CHLORIDE	16.628	91	620171	12.69	PPBV	100
98)	M-DICHLOROBENZENE	16.599	146	435352	11.56	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	440736	12.03	PPBV	99
100)	O-DICHLOROBENZENE	17.010	146	412635	11.60	PPBV	99
101)	SEC-BUTYLBENZENE	16.837	134	199730	12.23	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	642369	11.62	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.033	134	217932	12.04	PPBV	100
104)	N-BUTYLBENZENE	17.396	134	210699	11.92	PPBV	99
105)	HEXACHLOROETHANE	17.573	117	264746	12.57	PPBV	100
106)	HEXACHLOROBUTADIENE	18.631	225	299792	11.33	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.319	180	379717	12.49	PPBV	100
108)	NAPHTHALENE	18.367	128	867478	12.86	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	618380	11.35	PPBV	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration

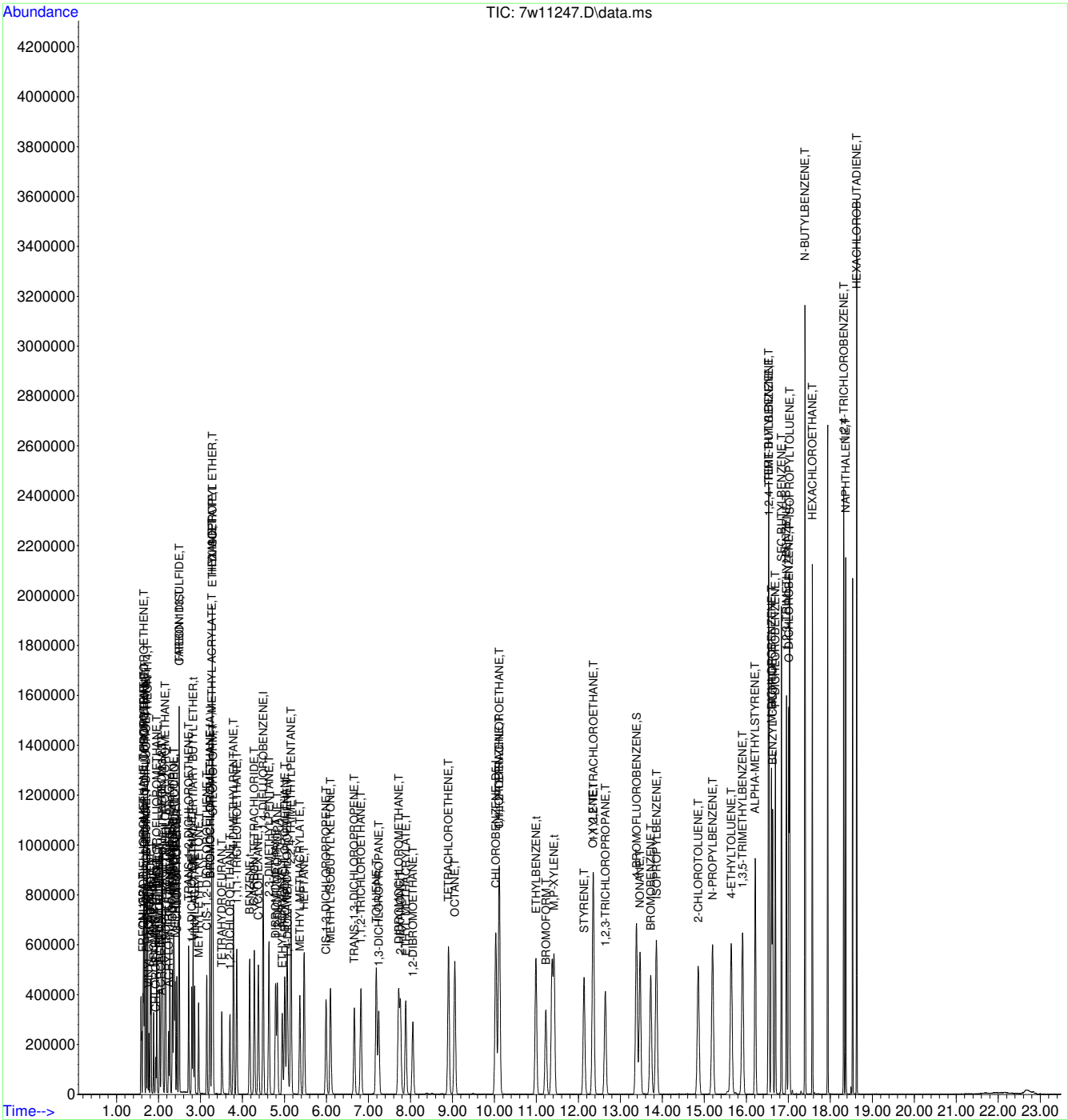
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11818.D
Acq On : 16 Jan 2025 11:34 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 22:52:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	137862	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	693738	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	645125	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	137862	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	495422	10.58	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.628	65	75602	11.5156	PPBV		93
4) CHLORODIFLUOROMETHANE	1.641	67	34907	10.4737	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.653	116	166440	10.3674	PPBV		78
6) DICHLORODIFLUOROMETHANE	1.666	85	423147	12.3103	PPBV		99
7) PROPYLENE	1.650	41	80323	8.8784	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	333525	13.1007	PPBV		99
9) FREON 114	1.740	85	369567	13.5542	PPBV		92
10) CHLOROMETHANE	1.711	52	37061	10.3860	PPBV		99
11) VINYL CHLORIDE	1.772	62	141673	12.2869	PPBV		99
12) 1,3-BUTADIENE	1.811	54	103345	10.5189	PPBV		95
13) N-BUTANE	1.827	43	175656	9.8242	PPBV		96
14) BROMOMETHANE	1.885	94	122243	11.8587	PPBV		99
15) CHLOROETHANE	1.933	64	73858	11.8364	PPBV		95
16) DICHLOROFLUOROMETHANE	1.959	67	298884	12.2957	PPBV		99
17) ACETONITRILE	2.026	41	96276	8.6889	PPBV		98
18) ACROLEIN	2.065	56	59899	10.2925	PPBV		98
19) FREON 123	2.078	83	317995	12.1225	PPBV		96
20) FREON 123A	2.094	117	184706	11.3094	PPBV		85
21) TRICHLOROFLUOROMETHANE	2.158	101	361349	11.9371	PPBV		100
22) ISOPROPYL ALCOHOL	2.177	45	241979	9.4746	PPBV		97
23) ACETONE	2.104	58	68947	8.6077	PPBV		83
24) PENTANE	2.274	42	121260	9.8845	PPBV		95
25) IODOMETHANE	2.335	142	314493	11.3362	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.361	96	135124	11.3040	PPBV		98
27) CARBON DISULFIDE	2.496	76	400177	13.4431	PPBV		99
28) ETHANOL	1.962	45	61246	8.7601	PPBV		99
29) BROMOETHENE	2.033	106	123279	11.2254	PPBV		97
30) ACRYLONITRILE	2.245	52	91891	9.2690	PPBV		98
31) METHYLENE CHLORIDE	2.396	84	124019	11.3657	PPBV		93
32) 3-CHLOROPROPENE	2.438	76	68281	12.0284	PPBV		88
33) FREON 113	2.493	151	205918	11.3772	PPBV		85
34) TRANS-1,2-DICHLOROETHENE	2.718	96	121861	9.7928	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.377	59	296948	10.1098	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.827	73	326724	9.1815	PPBV		96
37) TETRAHYDROFURAN	3.509	72	66042	11.9765	PPBV		86
38) HEXANE	3.277	57	238550	10.5065	PPBV		97
39) VINYL ACETATE	2.862	86	28720	8.5273	PPBV		74
40) 1,1-DICHLOROETHANE	2.795	63	216858	9.7397	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	69545	11.3544	PPBV		85
42) CIS-1,2-DICHLOROETHENE	3.152	96	141882	11.0696	PPBV		100
43) DIISOPROPYL ETHER	3.280	59	69812	11.1026	PPBV		85
44) ETHYL ACETATE	3.287	61	48590	11.1696	PPBV		93
45) METHYL ACRYLATE	3.274	55	279209	10.9457	PPBV	#	99
46) CHLOROFORM	3.300	83	294998	11.7071	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	272301	10.8472	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.865	97	288381	10.6722	PPBV		98
49) CARBON TETRACHLORIDE	4.280	117	279314	10.4224	PPBV		99
50) 1,2-DICHLOROETHANE	3.702	62	218932	11.6046	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11818.D
Acq On : 16 Jan 2025 11:34 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 22:52:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	419068	11.3818	PPBV	97
53)	CYCLOHEXANE	4.380	84	188582	11.5056	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.631	71	96796	11.2482	PPBV	96
55)	TRICHLOROETHENE	5.062	95	193580	10.9774	PPBV	93
56)	1,2-DICHLOROPROPANE	4.833	63	164782	10.9530	PPBV	99
57)	DIBROMOMETHANE	4.792	174	159462	9.6236	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	335485	10.4949	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	319720	11.3801	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	736805	11.0450	PPBV	100
61)	1,4-DIOXANE	5.074	88	101710	10.3439	PPBV	98
62)	HEPTANE	5.470	43	241400	10.2969	PPBV	92
63)	METHYL METHACRYLATE	5.367	69	155892	10.3465	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.094	58	146489	10.4665	PPBV	92
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	258417	10.9683	PPBV	95
66)	TOLUENE	7.187	91	517722	10.5616	PPBV	99
67)	1,3-DICHLOROPROPANE	7.245	76	265483	11.5963	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	217435	9.8171	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	153728	11.4089	PPBV	97
70)	2-HEXANONE	7.759	58	203218	9.2984	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	257455	9.8284	PPBV	95
72)	TETRACHLOROETHENE	8.904	164	197116	10.6130	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	291596	10.3003	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	279947	11.3491	PPBV	99
75)	OCTANE	9.058	43	332977	10.0245	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	206122	9.9968	PPBV	93
78)	CHLOROBENZENE	10.110	112	418752	11.1548	PPBV	98
79)	ETHYLBENZENE	10.991	91	693653	10.9166	PPBV	99
80)	M,P-XYLENE	11.415	91	1090678	21.8968	PPBV	97
81)	O-XYLENE	12.344	91	562532	11.2448	PPBV	98
82)	STYRENE	12.132	104	413724	11.5474	PPBV	99
83)	NONANE	13.470	43	359253	10.4550	PPBV	96
84)	BROMOFORM	11.225	173	256487	10.3708	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	416331	12.5052	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	315556	11.8805	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	205734	10.7649	PPBV	92
89)	BROMOBENZENE	13.724	77	392401	11.0143	PPBV	90
90)	2-CHLOROTOLUENE	14.852	126	182726	10.5104	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	212053	10.9471	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	796738	11.4676	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	668047	11.4255	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.212	118	329720	11.0418	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	155388	11.1038	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	714099	12.1079	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	452177	8.6583	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	435131	10.8167	PPBV	99
99)	P-DICHLOROBENZENE	16.691	146	441966	11.2883	PPBV	98
100)	O-DICHLOROBENZENE	17.010	146	421208	11.0887	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	196648	11.2764	PPBV	81
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	697580	11.8080	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	219758	11.3677	PPBV	93
104)	N-BUTYLBENZENE	17.392	134	217178	11.4983	PPBV	78
105)	HEXACHLOROETHANE	17.572	117	235434	10.4630	PPBV	97
106)	HEXACHLOROBUTADIENE	18.627	225	380683	13.4723	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	423558	13.0450	PPBV	98
108)	NAPHTHALENE	18.367	128	899512	12.4822	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	614741	10.5017	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11818.D
Acq On : 16 Jan 2025 11:34 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 22:52:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

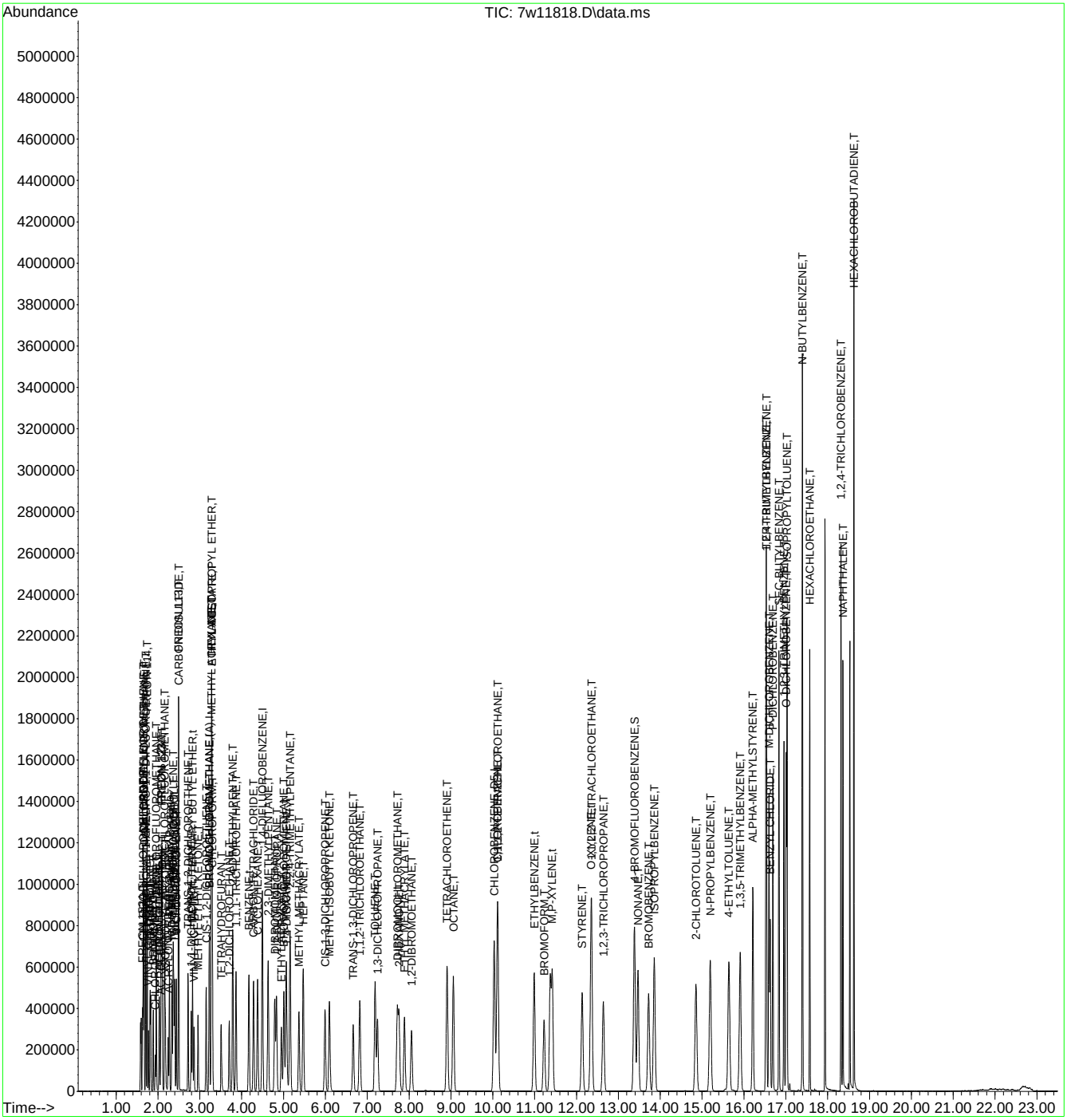
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-17-25\v7w423\
Data File : 7w11818.D
Acq On : 16 Jan 2025 11:34 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88809,v7w423,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 22:52:46 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11852.D
Acq On : 17 Jan 2025 12:35 pm
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:50:34 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.225	128	134545	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	676743	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	623594	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	134545	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.382	95	483136	10.68	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	73123	11.4126	PPBV		93
4) CHLORODIFLUOROMETHANE	1.640	67	34331	10.5548	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	161637	10.3164	PPBV		72
6) DICHLORODIFLUOROMETHANE	1.666	85	426727	12.7205	PPBV		99
7) PROPYLENE	1.647	41	79404	8.9932	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.704	65	339599	13.6682	PPBV		98
9) FREON 114	1.737	85	367858	13.8242	PPBV		92
10) CHLOROMETHANE	1.708	52	40060	11.5032	PPBV		99
11) VINYL CHLORIDE	1.769	62	140547	12.4897	PPBV		99
12) 1,3-BUTADIENE	1.807	54	103311	10.7747	PPBV		93
13) N-BUTANE	1.823	43	174589	10.0053	PPBV		96
14) BROMOMETHANE	1.881	94	117945	11.7238	PPBV		99
15) CHLOROETHANE	1.930	64	73018	11.9902	PPBV		96
16) DICHLOROFLUOROMETHANE	1.955	67	297330	12.5333	PPBV		99
17) ACETONITRILE	2.023	41	95571	8.8379	PPBV		98
18) ACROLEIN	2.061	56	58953	10.3797	PPBV		98
19) FREON 123	2.074	83	314668	12.2914	PPBV		96
20) FREON 123A	2.094	117	179452	11.2586	PPBV		83
21) TRICHLOROFLUOROMETHANE	2.158	101	348838	11.8079	PPBV		100
22) ISOPROPYL ALCOHOL	2.174	45	235049	9.4302	PPBV		97
23) ACETONE	2.100	58	68085	8.7097	PPBV		82
24) PENTANE	2.270	42	119468	9.9785	PPBV		98
25) IODOMETHANE	2.331	142	305647	11.2890	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.360	96	130711	11.2044	PPBV		99
27) CARBON DISULFIDE	2.492	76	394347	13.5738	PPBV		99
28) ETHANOL	1.958	45	60396	8.8515	PPBV		99
29) BROMOETHENE	2.032	106	120303	11.2245	PPBV		97
30) ACRYLONITRILE	2.241	52	90277	9.3307	PPBV		98
31) METHYLENE CHLORIDE	2.396	84	120519	11.3172	PPBV		93
32) 3-CHLOROPROPENE	2.438	76	66630	12.0270	PPBV		84
33) FREON 113	2.492	151	203085	11.4973	PPBV		87
34) TRANS-1,2-DICHLOROETHENE	2.717	96	142700	11.7501	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.373	59	286772	10.0040	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.823	73	358458	10.3217	PPBV		97
37) TETRAHYDROFURAN	3.505	72	62865	11.6814	PPBV		90
38) HEXANE	3.277	57	233163	10.5224	PPBV		97
39) VINYL ACETATE	2.859	86	31225	9.4996	PPBV		82
40) 1,1-DICHLOROETHANE	2.791	63	244458	11.2500	PPBV		99
41) METHYL ETHYL KETONE	2.955	72	67539	11.2988	PPBV		85
42) CIS-1,2-DICHLOROETHENE	3.151	96	136589	10.9193	PPBV		99
43) DIISOPROPYL ETHER	3.280	59	67141	10.9410	PPBV		89
44) ETHYL ACETATE	3.283	61	46912	11.0497	PPBV		96
45) METHYL ACRYLATE	3.270	55	274303	11.0185	PPBV	#	99
46) CHLOROFORM	3.296	83	287102	11.6746	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	265507	10.8373	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.865	97	275838	10.4597	PPBV		98
49) CARBON TETRACHLORIDE	4.280	117	265375	10.1464	PPBV		100
50) 1,2-DICHLOROETHANE	3.701	62	212434	11.5378	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11852.D
Acq On : 17 Jan 2025 12:35 pm
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:50:34 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	406188	11.3039	PPBV	97
53)	CYCLOHEXANE	4.376	84	180344	11.2793	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.630	71	92767	11.0507	PPBV	98
55)	TRICHLOROETHENE	5.061	95	187033	10.8724	PPBV	93
56)	1,2-DICHLOROPROPANE	4.830	63	162111	11.0461	PPBV	99
57)	DIBROMOMETHANE	4.791	174	152711	9.4477	PPBV	93
58)	ETHYL ACRYLATE	4.946	55	327434	10.5003	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	308432	11.2540	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.154	57	716981	11.0178	PPBV	99
61)	1,4-DIOXANE	5.077	88	97752	10.1911	PPBV	98
62)	HEPTANE	5.466	43	234346	10.2471	PPBV	92
63)	METHYL METHACRYLATE	5.367	69	152082	10.3471	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.090	58	142643	10.4476	PPBV	91
65)	CIS-1,3-DICHLOROPROPENE	5.990	75	246894	10.7424	PPBV	96
66)	TOLUENE	7.187	91	499328	10.4421	PPBV	100
67)	1,3-DICHLOROPROPANE	7.244	76	256182	11.4711	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.662	75	207439	9.6010	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	149135	11.3460	PPBV	97
70)	2-HEXANONE	7.756	58	197455	9.2615	PPBV	91
71)	ETHYL METHACRYLATE	7.888	69	249861	9.7780	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	186811	10.3107	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.717	129	280472	10.1561	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	270876	11.2572	PPBV	100
75)	OCTANE	9.055	43	326936	10.0898	PPBV	96
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	198691	9.9691	PPBV	93
78)	CHLOROBENZENE	10.106	112	405159	11.1653	PPBV	96
79)	ETHYLBENZENE	10.987	91	672334	10.9464	PPBV	98
80)	M,P-XYLENE	11.418	91	1056106	21.9348	PPBV	96
81)	O-XYLENE	12.347	91	539247	11.1516	PPBV	98
82)	STYRENE	12.135	104	398707	11.5125	PPBV	99
83)	NONANE	13.466	43	352310	10.6070	PPBV	97
84)	BROMOFORM	11.225	173	249926	10.4544	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	405034	12.5860	PPBV	97
86)	1,2,3-TRICHLOROPROPANE	12.640	75	306322	11.9311	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	196864	10.6564	PPBV	91
89)	BROMOBENZENE	13.723	77	380962	11.0624	PPBV	90
90)	2-CHLOROTOLUENE	14.855	126	175318	10.4325	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	204897	10.9429	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	762614	11.3554	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	640868	11.3391	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.215	118	319080	11.0544	PPBV	99
95)	TERT-BUTYLBENZENE	16.530	134	149313	11.0381	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	689877	12.1011	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	423659	8.3924	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	416047	10.6994	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	425367	11.2394	PPBV	98
100)	O-DICHLOROBENZENE	17.009	146	408016	11.1123	PPBV	98
101)	SEC-BUTYLBENZENE	16.839	134	190938	11.3270	PPBV	82
102)	1,2,3-TRIMETHYLBENZENE	16.958	105	675446	11.8281	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	214733	11.4913	PPBV	93
104)	N-BUTYLBENZENE	17.395	134	211512	11.5850	PPBV	76
105)	HEXACHLOROETHANE	17.572	117	229904	10.5700	PPBV	97
106)	HEXACHLOROBUTADIENE	18.630	225	368826	13.5034	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.321	180	407770	12.9924	PPBV	99
108)	NAPHTHALENE	18.366	128	868548	12.4686	PPBV	99
110)	TVHC as equiv Pentane	2.270	TIC	616485	10.7912	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11852.D
Acq On : 17 Jan 2025 12:35 pm
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:50:34 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

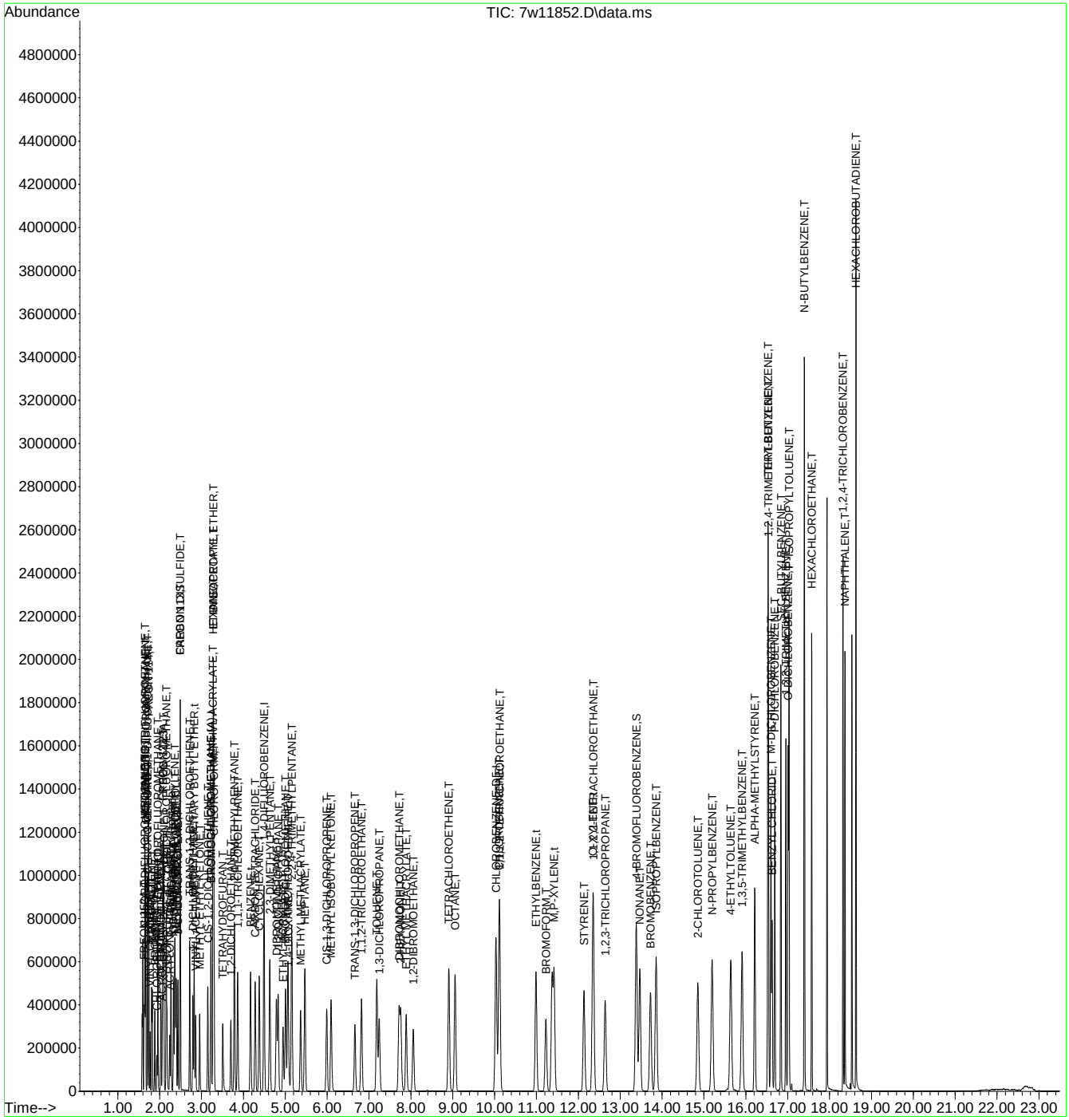
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\012025\v7w424\
Data File : 7w11852.D
Acq On : 17 Jan 2025 12:35 pm
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 04:50:34 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11930.D
Acq On : 19 Jan 2025 11:30 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:11:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	119162	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	603484	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.035	117	562140	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	119162	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	437157	10.72	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.627	65	65665	11.5717	PPBV	94
4) CHLORODIFLUOROMETHANE	1.640	67	31174	10.8215	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.650	116	148190	10.6792	PPBV	73
6) DICHLORODIFLUOROMETHANE	1.666	85	388321	13.0699	PPBV	99
7) PROPYLENE	1.650	41	71783	9.1796	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	307175	13.9592	PPBV	99
9) FREON 114	1.740	85	334751	14.2040	PPBV	92
10) CHLOROMETHANE	1.711	52	35988	11.6679	PPBV	96
11) VINYL CHLORIDE	1.772	62	134552	13.5005	PPBV	100
12) 1,3-BUTADIENE	1.811	54	99515	11.7187	PPBV	97
13) N-BUTANE	1.827	43	179238	11.5977	PPBV	98
14) BROMOMETHANE	1.885	94	112390	12.6138	PPBV	98
15) CHLOROETHANE	1.933	64	69139	12.8189	PPBV	96
16) DICHLOROFLUOROMETHANE	1.959	67	268058	12.7581	PPBV	99
17) ACETONITRILE	2.026	41	85569	8.9345	PPBV	99
18) ACROLEIN	2.065	56	53043	10.5448	PPBV	97
19) FREON 123	2.078	83	283760	12.5150	PPBV	97
20) FREON 123A	2.097	117	165030	11.6904	PPBV	87
21) TRICHLOROFLUOROMETHANE	2.161	101	320217	12.2383	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	215321	9.7539	PPBV	97
23) ACETONE	2.103	58	60774	8.7780	PPBV	86
24) PENTANE	2.274	42	108695	10.2507	PPBV	98
25) IODOMETHANE	2.335	142	277694	11.5806	PPBV	94
26) 1,1-DICHLOROETHYLENE	2.364	96	118000	11.4206	PPBV	98
27) CARBON DISULFIDE	2.496	76	358746	13.9425	PPBV	99
28) ETHANOL	1.962	45	55914	9.2525	PPBV	99
29) BROMOETHENE	2.033	106	111298	11.7248	PPBV	98
30) ACRYLONITRILE	2.245	52	82561	9.6348	PPBV	97
31) METHYLENE CHLORIDE	2.399	84	110296	11.6943	PPBV	93
32) 3-CHLOROPROPENE	2.441	76	61149	12.4625	PPBV	81
33) FREON 113	2.496	151	183903	11.7554	PPBV	85
34) TRANS-1,2-DICHLOROETHENE	2.721	96	121849	11.3284	PPBV	98
35) TERTIARY BUTYL ALCOHOL	2.377	59	262506	10.3397	PPBV	100
36) METHYL TERTIARY BUTYL ...	2.827	73	308615	10.0336	PPBV	97
37) TETRAHYDROFURAN	3.508	72	58193	12.2092	PPBV	89
38) HEXANE	3.280	57	214914	10.9509	PPBV	97
39) VINYL ACETATE	2.865	86	29890	10.2673	PPBV	86
40) 1,1-DICHLOROETHANE	2.795	63	197392	10.2567	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	62213	11.7513	PPBV	86
42) CIS-1,2-DICHLOROETHENE	3.155	96	125802	11.3553	PPBV	99
43) DIISOPROPYL ETHER	3.283	59	62203	11.4449	PPBV	89
44) ETHYL ACETATE	3.287	61	44704	11.8889	PPBV	91
45) METHYL ACRYLATE	3.274	55	254969	11.5640	PPBV #	99
46) CHLOROFORM	3.299	83	264746	12.1553	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.788	57	243860	11.2387	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.865	97	258862	11.0831	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	253419	10.9401	PPBV	99
50) 1,2-DICHLOROETHANE	3.705	62	196724	12.0638	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11930.D
Acq On : 19 Jan 2025 11:30 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:11:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

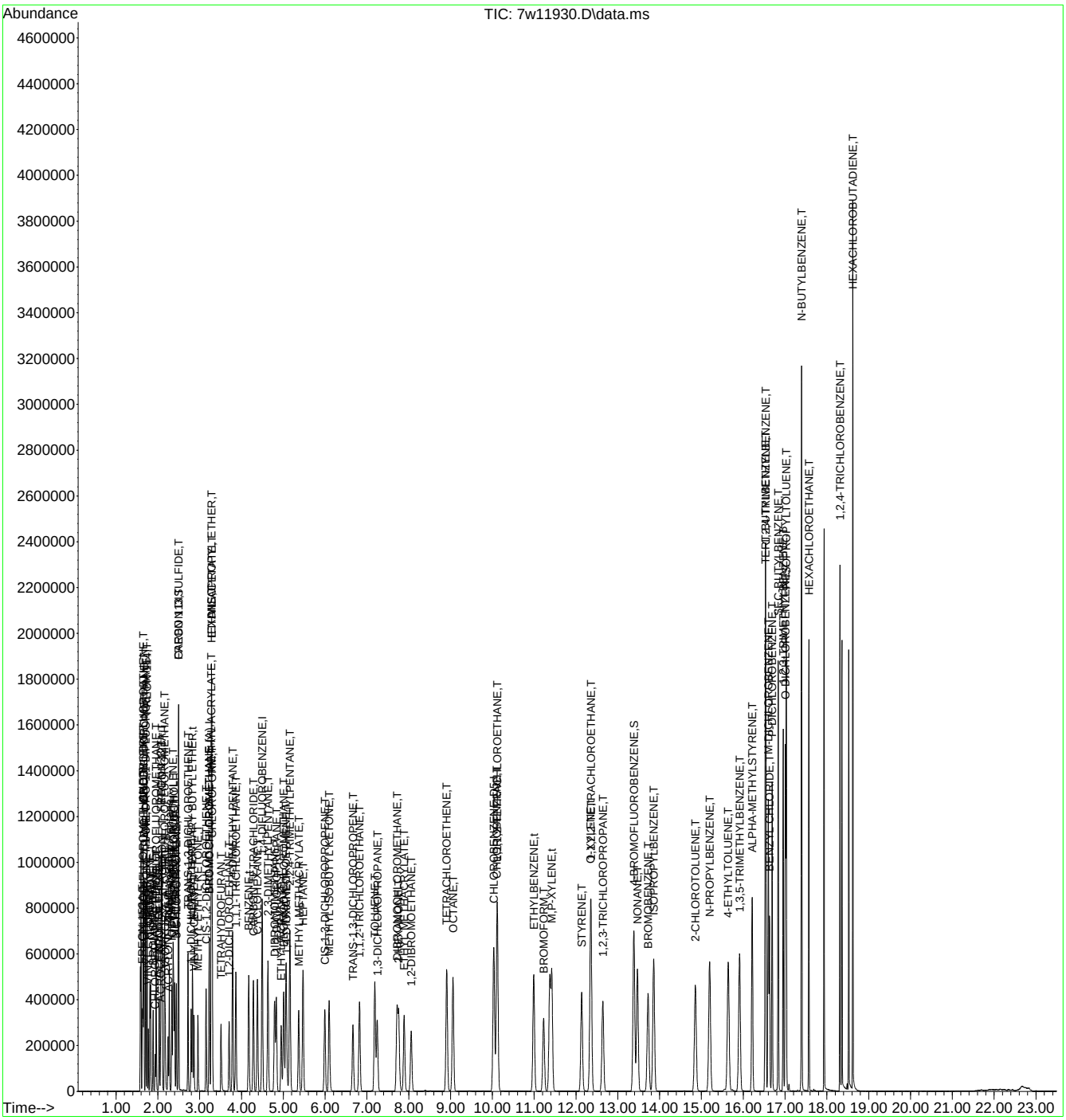
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	373632	11.7402	PPBV	98
53)	CYCLOHEXANE	4.380	84	165739	11.6242	PPBV	98
54)	2,3-DIMETHYLPENTANE	4.634	71	85832	11.4658	PPBV	98
55)	TRICHLOROETHENE	5.061	95	173045	11.2804	PPBV	93
56)	1,2-DICHLOROPROPANE	4.833	63	149291	11.4074	PPBV	99
57)	DIBROMOMETHANE	4.791	174	141145	9.7921	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	310959	11.1825	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	287668	11.7706	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	661671	11.4021	PPBV	100
61)	1,4-DIOXANE	5.077	88	91185	10.6604	PPBV	99
62)	HEPTANE	5.473	43	219313	10.7539	PPBV	93
63)	METHYL METHACRYLATE	5.370	69	142782	10.8936	PPBV	93
64)	METHYL ISOBUTYL KETONE	6.097	58	132251	10.8623	PPBV	93
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	233657	11.4006	PPBV	96
66)	TOLUENE	7.190	91	464529	10.8937	PPBV	99
67)	1,3-DICHLOROPROPANE	7.248	76	237263	11.9136	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	197405	10.2457	PPBV	97
69)	1,1,2-TRICHLOROETHANE	6.820	83	138399	11.8073	PPBV	96
70)	2-HEXANONE	7.756	58	182713	9.6104	PPBV	92
71)	ETHYL METHACRYLATE	7.891	69	237832	10.4371	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	176438	10.9204	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.720	129	264977	10.7598	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	250876	11.6916	PPBV	100
75)	OCTANE	9.058	43	306439	10.6053	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	185602	10.3305	PPBV	93
78)	CHLOROBENZENE	10.106	112	374643	11.4530	PPBV	96
79)	ETHYLBENZENE	10.990	91	620303	11.2034	PPBV	98
80)	M,P-XYLENE	11.418	91	977777	22.5280	PPBV	98
81)	O-XYLENE	12.347	91	500303	11.4773	PPBV	97
82)	STYRENE	12.135	104	371254	11.8917	PPBV	99
83)	NONANE	13.469	43	327377	10.9338	PPBV	96
84)	BROMOFORM	11.225	173	239530	11.1149	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	375332	12.9380	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	285971	12.3561	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	183458	11.0164	PPBV	92
89)	BROMOBENZENE	13.723	77	355146	11.4402	PPBV	90
90)	2-CHLOROTOLUENE	14.855	126	163093	10.7660	PPBV	98
91)	N-PROPYLBENZENE	15.196	120	190638	11.2944	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	710734	11.7399	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.916	105	599177	11.7604	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.215	118	293999	11.2990	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	138358	11.3464	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	639082	12.4356	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	411154	9.0350	PPBV	97
98)	M-DICHLOROBENZENE	16.598	146	387752	11.0618	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	396371	11.6182	PPBV	98
100)	O-DICHLOROBENZENE	17.006	146	378413	11.4327	PPBV	98
101)	SEC-BUTYLBENZENE	16.836	134	176811	11.6356	PPBV	83
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	621300	12.0694	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	194802	11.5643	PPBV	92
104)	N-BUTYLBENZENE	17.392	134	191588	11.6409	PPBV	75
105)	HEXACHLOROETHANE	17.569	117	216169	11.0250	PPBV	98
106)	HEXACHLOROBUTADIENE	18.620	225	336147	13.6524	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.312	180	370490	13.0951	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	548162	10.8339	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Jan 2025\01-20-25\V7W426\
Data File : 7w11930.D
Acq On : 19 Jan 2025 11:30 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88797,v7w426,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 16:11:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12102.D
Acq On : 25 Jan 2025 6:18 pm
Operator : benk
Sample : cc405-10
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 18:55:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	132545	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	663016	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	611786	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	132545	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	480375	10.82	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.628	65	64229	10.18	PPBV		97
4) CHLORODIFLUOROMETHANE	1.637	67	32956	10.28	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.650	116	157474	10.20	PPBV		81
6) DICHLORODIFLUOROMETHANE	1.666	85	389718	11.79	PPBV		98
7) PROPYLENE	1.647	41	70905	8.15	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	297458	12.15	PPBV		98
9) FREON 114	1.737	85	332639	12.69	PPBV		97
10) CHLOROMETHANE	1.708	52	33126	9.66	PPBV		97
11) VINYL CHLORIDE	1.769	62	126848	11.44	PPBV		99
12) 1,3-BUTADIENE	1.808	54	92991	9.84	PPBV		99
13) N-BUTANE	1.824	43	169541	9.86	PPBV		99
14) BROMOMETHANE	1.882	94	112282	11.33	PPBV		99
15) CHLOROETHANE	1.930	64	65722	10.96	PPBV		97
16) DICHLOROFLUOROMETHANE	1.956	67	273155	11.69	PPBV		98
17) ACETONITRILE	2.023	41	96359	9.05	PPBV		98
18) ACROLEIN	2.062	56	51621	9.23	PPBV		99
19) FREON 123	2.074	83	294750	11.69	PPBV		97
20) FREON 123A	2.094	117	175336	11.17	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.158	101	342695	11.77	PPBV		99
22) ISOPROPYL ALCOHOL	2.174	45	230436	9.38	PPBV		98
23) ACETONE	2.100	58	62321	8.09	PPBV		93
24) PENTANE	2.271	42	119395	10.12	PPBV		99
25) IODOMETHANE	2.332	142	318749	11.95	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.357	96	122957	10.70	PPBV		97
27) CARBON DISULFIDE	2.492	76	364007	12.72	PPBV		98
28) ETHANOL	1.962	45	57911	8.62	PPBV		99
29) BROMOETHENE	2.033	106	115561	10.94	PPBV		98
30) ACRYLONITRILE	2.238	52	84236	8.84	PPBV		98
31) METHYLENE CHLORIDE	2.396	84	113792	10.85	PPBV		94
32) 3-CHLOROPROPENE	2.438	76	62737	11.50	PPBV		89
33) FREON 113	2.489	151	206836	11.89	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.718	96	131758	11.01	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.373	59	259824	9.20	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.824	73	348547	10.19	PPBV		98
37) TETRAHYDROFURAN	3.505	72	60661	11.44	PPBV		87
38) HEXANE	3.274	57	216321	9.91	PPBV		98
39) VINYL ACETATE	2.859	86	28811	8.90	PPBV		81
40) 1,1-DICHLOROETHANE	2.791	63	226870	10.60	PPBV		99
41) METHYL ETHYL KETONE	2.955	72	64033	10.87	PPBV		84
42) CIS-1,2-DICHLOROETHENE	3.148	96	135048	10.96	PPBV		97
43) DIISOPROPYL ETHER	3.280	59	62140	10.28	PPBV		92
44) ETHYL ACETATE	3.283	61	44287	10.59	PPBV		97
45) METHYL ACRYLATE	3.271	55	254226	10.37	PPBV	#	99
46) CHLOROFORM	3.296	83	284644	11.75	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.785	57	246113	10.20	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.862	97	286443	11.03	PPBV		99
49) CARBON TETRACHLORIDE	4.280	117	290450	11.27	PPBV		99
50) 1,2-DICHLOROETHANE	3.701	62	207468	11.44	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12102.D
Acq On : 25 Jan 2025 6:18 pm
Operator : benk
Sample : cc405-10
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 18:55:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.168	78	391340	11.06	PPBV	96
53)	CYCLOHEXANE	4.377	84	173971	11.11	PPBV	94
54)	2,3-DIMETHYLPENTANE	4.627	71	89394	10.87	PPBV	93
55)	TRICHLOROETHENE	5.061	95	185420	11.00	PPBV	97
56)	1,2-DICHLOROPROPANE	4.827	63	148127	10.30	PPBV	97
57)	DIBROMOMETHANE	4.788	174	163092	10.30	PPBV	99
58)	ETHYL ACRYLATE	4.946	55	304904	9.98	PPBV	99
59)	BROMODICHLOROMETHANE	5.004	83	313496	11.68	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	664641	10.42	PPBV	100
61)	1,4-DIOXANE	5.074	88	95684	10.18	PPBV	95
62)	HEPTANE	5.467	43	224759	10.03	PPBV	93
63)	METHYL METHACRYLATE	5.364	69	145963	10.14	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.090	58	131336	9.82	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	5.987	75	247844	11.01	PPBV	95
66)	TOLUENE	7.184	91	490826	10.48	PPBV	100
67)	1,3-DICHLOROPROPANE	7.241	76	251002	11.47	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.659	75	212452	10.04	PPBV	95
69)	1,1,2-TRICHLOROETHANE	6.817	83	145392	11.29	PPBV	98
70)	2-HEXANONE	7.753	58	180064	8.62	PPBV	94
71)	ETHYL METHACRYLATE	7.885	69	244441	9.76	PPBV	95
72)	TETRACHLOROETHENE	8.904	164	205274	11.56	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.717	129	296119	10.94	PPBV	99
74)	1,2-DIBROMOETHANE	8.055	107	273732	11.61	PPBV	100
75)	OCTANE	9.055	43	309769	9.76	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	219186	11.21	PPBV	96
78)	CHLOROBENZENE	10.110	112	405462	11.39	PPBV	97
79)	ETHYLBENZENE	10.987	91	664477	11.03	PPBV	99
80)	M,P-XYLENE	11.415	91	1057618	22.39	PPBV	96
81)	O-XYLENE	12.344	91	538406	11.35	PPBV	99
82)	STYRENE	12.135	104	399239	11.75	PPBV	99
83)	NONANE	13.466	43	335817	10.31	PPBV	96
84)	BROMOFORM	11.222	173	274097	11.69	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.357	83	393207	12.45	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	302401	12.01	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	199270	10.99	PPBV	94
89)	BROMOBENZENE	13.720	77	378331	11.20	PPBV	98
90)	2-CHLOROTOLUENE	14.855	126	178098	10.80	PPBV	99
91)	N-PROPYLBENZENE	15.190	120	205960	11.21	PPBV	99
92)	4-ETHYLTOLUENE	15.637	105	771944	11.72	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	650731	11.74	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	322393	11.38	PPBV	98
95)	TERT-BUTYLBENZENE	16.527	134	159240	12.00	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	692536	12.38	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	449741	9.08	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	451797	11.84	PPBV	99
99)	P-DICHLOROBENZENE	16.691	146	457978	12.33	PPBV	100
100)	O-DICHLOROBENZENE	17.010	146	437191	12.14	PPBV	100
101)	SEC-BUTYLBENZENE	16.839	134	202703	12.26	PPBV	96
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	667383	11.91	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	222934	12.16	PPBV	98
104)	N-BUTYLBENZENE	17.395	134	220125	12.29	PPBV	91
105)	HEXACHLOROETHANE	17.575	117	238238	11.16	PPBV	98
106)	HEXACHLOROBUTADIENE	18.637	225	375131	14.00	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.325	180	414221	13.45	PPBV	99
108)	NAPHTHALENE	18.373	128	882127	12.91	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	599210	10.65	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12102.D
Acq On : 25 Jan 2025 6:18 pm
Operator : benk
Sample : cc405-10
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 18:55:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

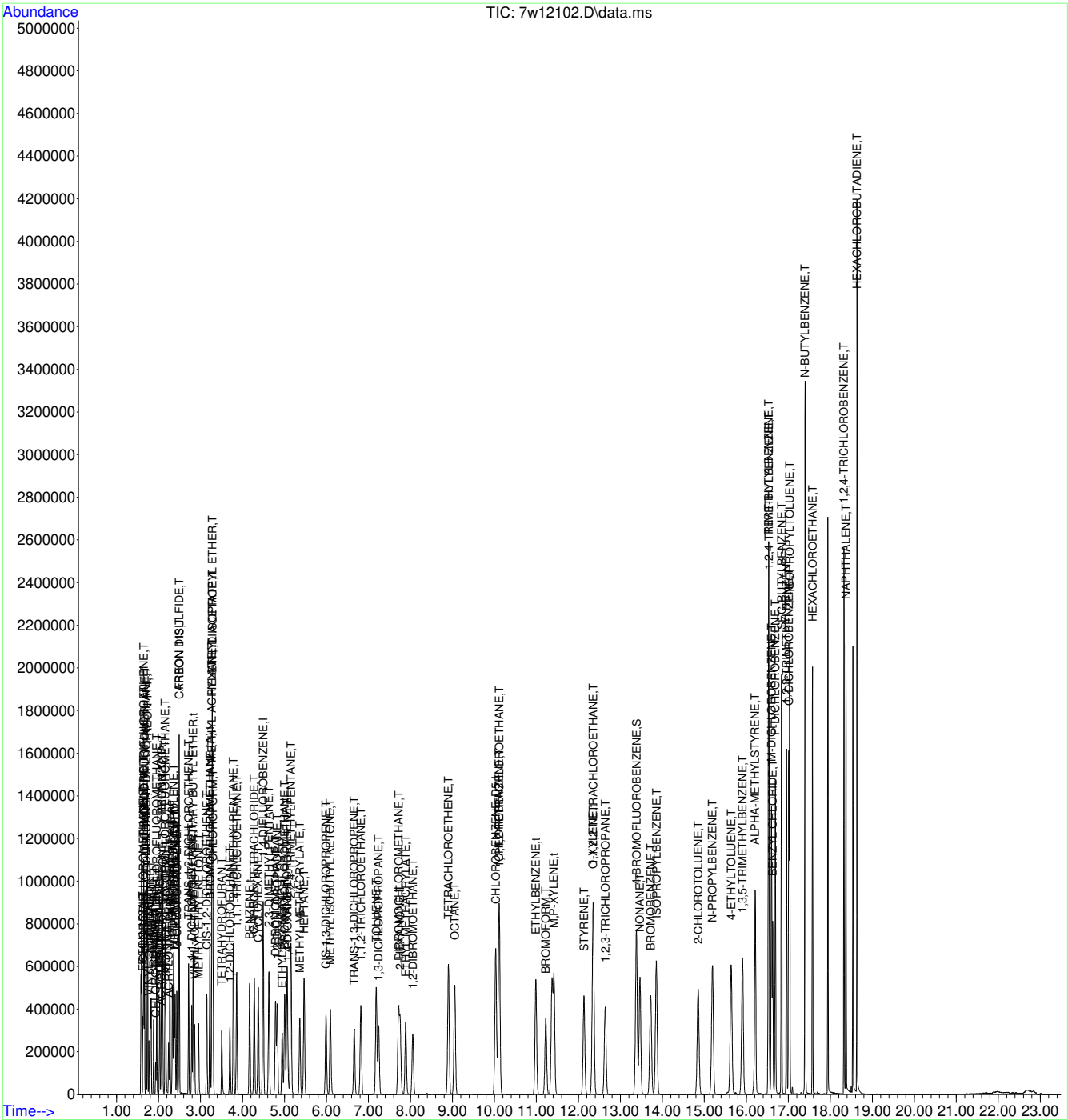
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w12102.D
Acq On : 25 Jan 2025 6:18 pm
Operator : benk
Sample : cc405-10
Misc : MS89017,v7w431,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 25 18:55:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-27-2025\V7W432\
Data File : 7w12137.D
Acq On : 26 Jan 2025 6:32 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS89017,v7w432,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 27 18:42:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.225	128	127364	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	635857	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	596829	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.225	128	127364	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.379	95	468860	10.83	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	62431	10.2933	PPBV		99
4) CHLORODIFLUOROMETHANE	1.640	67	33185	10.7777	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	157691	10.6320	PPBV		83
6) DICHLORODIFLUOROMETHANE	1.666	85	385359	12.1350	PPBV		98
7) PROPYLENE	1.650	41	70208	8.4000	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	292288	12.4273	PPBV		98
9) FREON 114	1.740	85	327643	13.0071	PPBV		97
10) CHLOROMETHANE	1.711	52	32176	9.7602	PPBV		99
11) VINYL CHLORIDE	1.772	62	121722	11.4267	PPBV		99
12) 1,3-BUTADIENE	1.811	54	89783	9.8918	PPBV		99
13) N-BUTANE	1.824	43	162932	9.8637	PPBV		98
14) BROMOMETHANE	1.885	94	109799	11.5295	PPBV		100
15) CHLOROETHANE	1.933	64	63845	11.0750	PPBV		89
16) DICHLOROFLUOROMETHANE	1.955	67	265739	11.8332	PPBV		98
17) ACETONITRILE	2.023	41	90718	8.8621	PPBV		99
18) ACROLEIN	2.062	56	50501	9.3929	PPBV		98
19) FREON 123	2.078	83	287088	11.8464	PPBV		98
20) FREON 123A	2.094	117	171627	11.3747	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.158	101	338906	12.1185	PPBV		100
22) ISOPROPYL ALCOHOL	2.174	45	222382	9.4250	PPBV		96
23) ACETONE	2.100	58	59458	8.0349	PPBV		96
24) PENTANE	2.271	42	113862	10.0464	PPBV		98
25) IODOMETHANE	2.332	142	314691	12.2783	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	121243	10.9788	PPBV		96
27) CARBON DISULFIDE	2.492	76	352158	12.8051	PPBV		98
28) ETHANOL	1.962	45	55669	8.6187	PPBV		99
29) BROMOETHENE	2.033	106	113770	11.2134	PPBV		98
30) ACRYLONITRILE	2.242	52	81354	8.8825	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	110656	10.9769	PPBV		91
32) 3-CHLOROPROPENE	2.438	76	62337	11.8865	PPBV		87
33) FREON 113	2.492	151	205818	12.3090	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.717	96	123655	10.7560	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.373	59	255196	9.4044	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.824	73	344705	10.4853	PPBV		97
37) TETRAHYDROFURAN	3.505	72	58692	11.5209	PPBV		87
38) HEXANE	3.277	57	209986	10.0107	PPBV		99
39) VINYL ACETATE	2.862	86	30243	9.7196	PPBV		77
40) 1,1-DICHLOROETHANE	2.791	63	222117	10.7982	PPBV		98
41) METHYL ETHYL KETONE	2.955	72	63052	11.1428	PPBV		81
42) CIS-1,2-DICHLOROETHENE	3.148	96	132175	11.1622	PPBV		97
43) DIISOPROPYL ETHER	3.280	59	61457	10.5794	PPBV		89
44) ETHYL ACETATE	3.283	61	43178	10.7436	PPBV		97
45) METHYL ACRYLATE	3.271	55	247480	10.5015	PPBV	#	99
46) CHLOROFORM	3.296	83	280046	12.0297	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.785	57	238942	10.3029	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.862	97	283136	11.3417	PPBV		100
49) CARBON TETRACHLORIDE	4.280	117	285951	11.5496	PPBV		99
50) 1,2-DICHLOROETHANE	3.701	62	204415	11.7282	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-27-2025\V7W432\
Data File : 7w12137.D
Acq On : 26 Jan 2025 6:32 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS89017,v7w432,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 27 18:42:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	385319	11.3277	PPBV	96
53)	CYCLOHEXANE	4.377	84	171730	11.4312	PPBV	92
54)	2,3-DIMETHYLPENTANE	4.627	71	87916	11.1463	PPBV	91
55)	TRICHLOROETHENE	5.061	95	184653	11.4243	PPBV	96
56)	1,2-DICHLOROPROPANE	4.830	63	144341	10.4677	PPBV	96
57)	DIBROMOMETHANE	4.788	174	161422	10.6287	PPBV	100
58)	ETHYL ACRYLATE	4.946	55	299199	10.2118	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	308638	11.9856	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	646136	10.5676	PPBV	100
61)	1,4-DIOXANE	5.074	88	93763	10.4037	PPBV	97
62)	HEPTANE	5.470	43	219749	10.2266	PPBV	93
63)	METHYL METHACRYLATE	5.364	69	144240	10.4446	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.094	58	128506	10.0174	PPBV	94
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	241331	11.1755	PPBV	95
66)	TOLUENE	7.187	91	483279	10.7564	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	245338	11.6919	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	206774	10.1856	PPBV	95
69)	1,1,2-TRICHLOROETHANE	6.817	83	141613	11.4664	PPBV	99
70)	2-HEXANONE	7.753	58	173539	8.6632	PPBV	95
71)	ETHYL METHACRYLATE	7.888	69	239461	9.9736	PPBV	95
72)	TETRACHLOROETHENE	8.907	164	201237	11.8212	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.717	129	288448	11.1166	PPBV	99
74)	1,2-DIBROMOETHANE	8.055	107	264849	11.7144	PPBV	99
75)	OCTANE	9.058	43	304972	10.0172	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	214687	11.2548	PPBV	96
78)	CHLOROBENZENE	10.109	112	395043	11.3747	PPBV	97
79)	ETHYLBENZENE	10.987	91	649648	11.0514	PPBV	99
80)	M,P-XYLENE	11.418	91	1034399	22.4474	PPBV	99
81)	O-XYLENE	12.344	91	526610	11.3786	PPBV	98
82)	STYRENE	12.135	104	385917	11.6429	PPBV	98
83)	NONANE	13.469	43	328003	10.3180	PPBV	96
84)	BROMOFORM	11.225	173	257373	11.2487	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.357	83	372093	12.0809	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	288895	11.7569	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	194845	11.0201	PPBV	93
89)	BROMOBENZENE	13.723	77	362818	11.0080	PPBV	99
90)	2-CHLOROTOLUENE	14.855	126	172356	10.7162	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	202238	11.2853	PPBV	99
92)	4-ETHYLTOLUENE	15.637	105	752807	11.7121	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	635778	11.7535	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.215	118	310607	11.2434	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	157345	12.1535	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	676356	12.3960	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	390899	8.0907	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	436650	11.7328	PPBV	100
99)	P-DICHLOROBENZENE	16.691	146	440710	12.1670	PPBV	99
100)	O-DICHLOROBENZENE	17.009	146	420911	11.9776	PPBV	100
101)	SEC-BUTYLBENZENE	16.839	134	199015	12.3356	PPBV	98
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	653704	11.9607	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.032	134	218470	12.2156	PPBV	100
104)	N-BUTYLBENZENE	17.395	134	214393	12.2694	PPBV	91
105)	HEXACHLOROETHANE	17.572	117	228958	10.9986	PPBV	97
106)	HEXACHLOROBUTADIENE	18.630	225	382546	14.6338	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.321	180	408943	13.6141	PPBV	99
108)	NAPHTHALENE	18.366	128	854435	12.8161	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	554261	10.2490	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-27-2025\V7W432\
Data File : 7w12137.D
Acq On : 26 Jan 2025 6:32 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS89017,v7w432,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 27 18:42:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

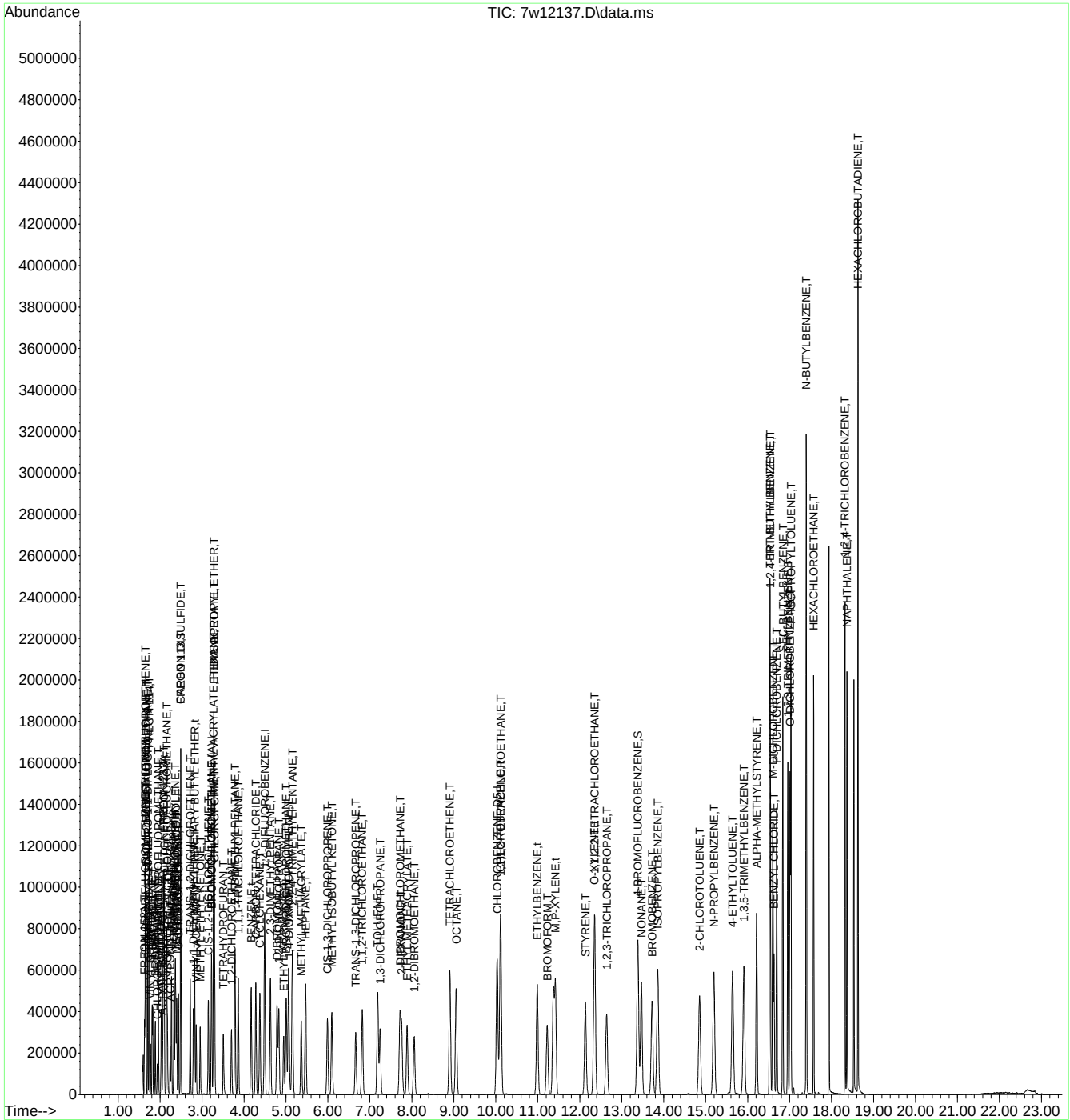
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-27-2025\V7W432\
Data File : 7w12137.D
Acq On : 26 Jan 2025 6:32 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS89017,v7w432,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 27 18:42:13 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13010.D
Acq On : 26 Feb 2025 9:46 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:02:16 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	127733	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	621557	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	585306	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	127733	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	430332	10.13	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.627	65	70365	11.5679	PPBV	94
4) CHLORODIFLUOROMETHANE	1.640	67	30890	10.0034	PPBV	100
5) CHLOROTRIFLUOROETHENE	1.650	116	167316	11.2484	PPBV	97
6) DICHLORODIFLUOROMETHANE	1.666	85	346500	10.8798	PPBV	98
7) PROPYLENE	1.650	41	92150	10.9934	PPBV	96
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	231477	9.8133	PPBV	97
9) FREON 114	1.740	85	302054	11.9566	PPBV	97
10) CHLOROMETHANE	1.711	52	37282	11.2764	PPBV	99
11) VINYL CHLORIDE	1.772	62	132524	12.4048	PPBV	100
12) 1,3-BUTADIENE	1.811	54	107062	11.7614	PPBV	89
13) N-BUTANE	1.824	43	187338	11.3085	PPBV	99
14) BROMOMETHANE	1.885	94	110694	11.5899	PPBV	100
15) CHLOROETHANE	1.933	64	68640	11.8724	PPBV	89
16) DICHLOROFLUOROMETHANE	1.959	67	252447	11.2088	PPBV	98
17) ACETONITRILE	2.026	41	109757	10.6910	PPBV	97
18) ACROLEIN	2.062	56	58763	10.8980	PPBV	98
19) FREON 123	2.078	83	284414	11.7022	PPBV	96
20) FREON 123A	2.094	117	176714	11.6781	PPBV	100
21) TRICHLOROFLUOROMETHANE	2.158	101	296603	10.5752	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	276699	11.6932	PPBV	98
23) ACETONE	2.100	58	69470	9.3608	PPBV	78
24) PENTANE	2.274	42	136811	12.0364	PPBV	93
25) IODOMETHANE	2.335	142	318219	12.3801	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.364	96	122693	11.0780	PPBV	92
27) CARBON DISULFIDE	2.496	76	321715	11.6643	PPBV	95
28) ETHANOL	1.962	45	85376	13.1798	PPBV	99
29) BROMOETHENE	2.033	106	115797	11.3803	PPBV	97
30) ACRYLONITRILE	2.245	52	97591	10.6246	PPBV	96
31) METHYLENE CHLORIDE	2.399	84	109144	10.7956	PPBV	96
32) 3-CHLOROPROPENE	2.441	76	56025	10.6520	PPBV	92
33) FREON 113	2.496	151	202589	12.0809	PPBV	95
34) TRANS-1,2-DICHLOROETHENE	2.721	96	128946	11.1838	PPBV	93
35) TERTIARY BUTYL ALCOHOL	2.377	59	253979	9.3325	PPBV	95
36) METHYL TERTIARY BUTYL ...	2.827	73	334479	10.1448	PPBV	98
37) TETRAHYDROFURAN	3.508	72	59928	11.7295	PPBV	97
38) HEXANE	3.280	57	235097	11.1755	PPBV	93
39) VINYL ACETATE	2.862	86	30955	9.9197	PPBV	89
40) 1,1-DICHLOROETHANE	2.795	63	236442	11.4614	PPBV	100
41) METHYL ETHYL KETONE	2.959	72	64391	11.3466	PPBV	98
42) CIS-1,2-DICHLOROETHENE	3.152	96	137329	11.5640	PPBV	98
43) DIISOPROPYL ETHER	3.283	59	66800	11.4660	PPBV	99
44) ETHYL ACETATE	3.287	61	48251	11.9712	PPBV	93
45) METHYL ACRYLATE	3.274	55	273779	11.5839	PPBV #	100
46) CHLOROFORM	3.299	83	259918	11.1329	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.788	57	271868	11.6887	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	263614	10.5292	PPBV	99
49) CARBON TETRACHLORIDE	4.283	117	272167	10.9611	PPBV	97
50) 1,2-DICHLOROETHANE	3.705	62	184652	10.5637	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13010.D
Acq On : 26 Feb 2025 9:46 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:02:16 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	386943	11.3426	PPBV	99
53)	CYCLOHEXANE	4.380	84	174269	11.8671	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.634	71	88304	11.4530	PPBV	91
55)	TRICHLOROETHENE	5.061	95	181282	11.4738	PPBV	97
56)	1,2-DICHLOROPROPANE	4.830	63	160335	11.8951	PPBV	95
57)	DIBROMOMETHANE	4.791	174	170812	11.5057	PPBV	91
58)	ETHYL ACRYLATE	4.949	55	336020	11.7324	PPBV	100
59)	BROMODICHLOROMETHANE	5.010	83	284967	11.3210	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	735494	12.3058	PPBV	99
61)	1,4-DIOXANE	5.077	88	94726	10.7524	PPBV	98
62)	HEPTANE	5.470	43	256148	12.1948	PPBV	97
63)	METHYL METHACRYLATE	5.367	69	147158	10.9010	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.097	58	145739	11.6221	PPBV	93
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	234535	11.1107	PPBV	93
66)	TOLUENE	7.190	91	487707	11.1047	PPBV	99
67)	1,3-DICHLOROPROPANE	7.245	76	236392	11.5248	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	196588	9.9066	PPBV	94
69)	1,1,2-TRICHLOROETHANE	6.823	83	143687	11.9020	PPBV	98
70)	2-HEXANONE	7.759	58	199915	10.2095	PPBV	92
71)	ETHYL METHACRYLATE	7.891	69	242795	10.3451	PPBV	99
72)	TETRACHLOROETHENE	8.907	164	208908	12.5541	PPBV	96
73)	DIBROMOCHLOROMETHANE	7.717	129	302709	11.9346	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	274345	12.4136	PPBV	100
75)	OCTANE	9.058	43	356654	11.9842	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	216855	11.5922	PPBV	97
78)	CHLOROBENZENE	10.109	112	419048	12.3035	PPBV	97
79)	ETHYLBENZENE	10.990	91	653892	11.3426	PPBV	98
80)	M,P-XYLENE	11.415	91	1004988	22.2385	PPBV	100
81)	O-XYLENE	12.347	91	516184	11.3729	PPBV	95
82)	STYRENE	12.135	104	407290	12.5296	PPBV	98
83)	NONANE	13.469	43	369316	11.8463	PPBV	98
84)	BROMOFORM	11.228	173	297810	13.2723	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	379946	12.5787	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.640	75	283142	11.7496	PPBV	100
88)	ISOPROPYLBENZENE	13.858	120	210195	12.1224	PPBV	92
89)	BROMOBENZENE	13.720	77	351095	10.8620	PPBV	91
90)	2-CHLOROTOLUENE	14.852	126	191036	12.1114	PPBV	100
91)	N-PROPYLBENZENE	15.190	120	220505	12.5468	PPBV	98
92)	4-ETHYLTOLUENE	15.640	105	758796	12.0377	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	625819	11.7971	PPBV	97
94)	ALPHA-METHYLSTYRENE	16.212	118	327303	12.0810	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	158952	12.5194	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	646162	12.0757	PPBV	95
97)	BENZYL CHLORIDE	16.627	91	410304	8.6595	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	450025	12.3302	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	455802	12.8314	PPBV	99
100)	O-DICHLOROBENZENE	17.009	146	427411	12.4020	PPBV	99
101)	SEC-BUTYLBENZENE	16.839	134	198172	12.5251	PPBV	96
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	617105	11.5134	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.032	134	212878	12.1372	PPBV	97
104)	N-BUTYLBENZENE	17.395	134	213738	12.4727	PPBV	95
105)	HEXACHLOROETHANE	17.572	117	236499	11.5845	PPBV	94
106)	HEXACHLOROBUTADIENE	18.630	225	338448	13.2018	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.321	180	370248	12.5686	PPBV	96
108)	NAPHTHALENE	18.366	128	802561	12.2750	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	630315	11.6216	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13010.D
Acq On : 26 Feb 2025 9:46 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:02:16 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

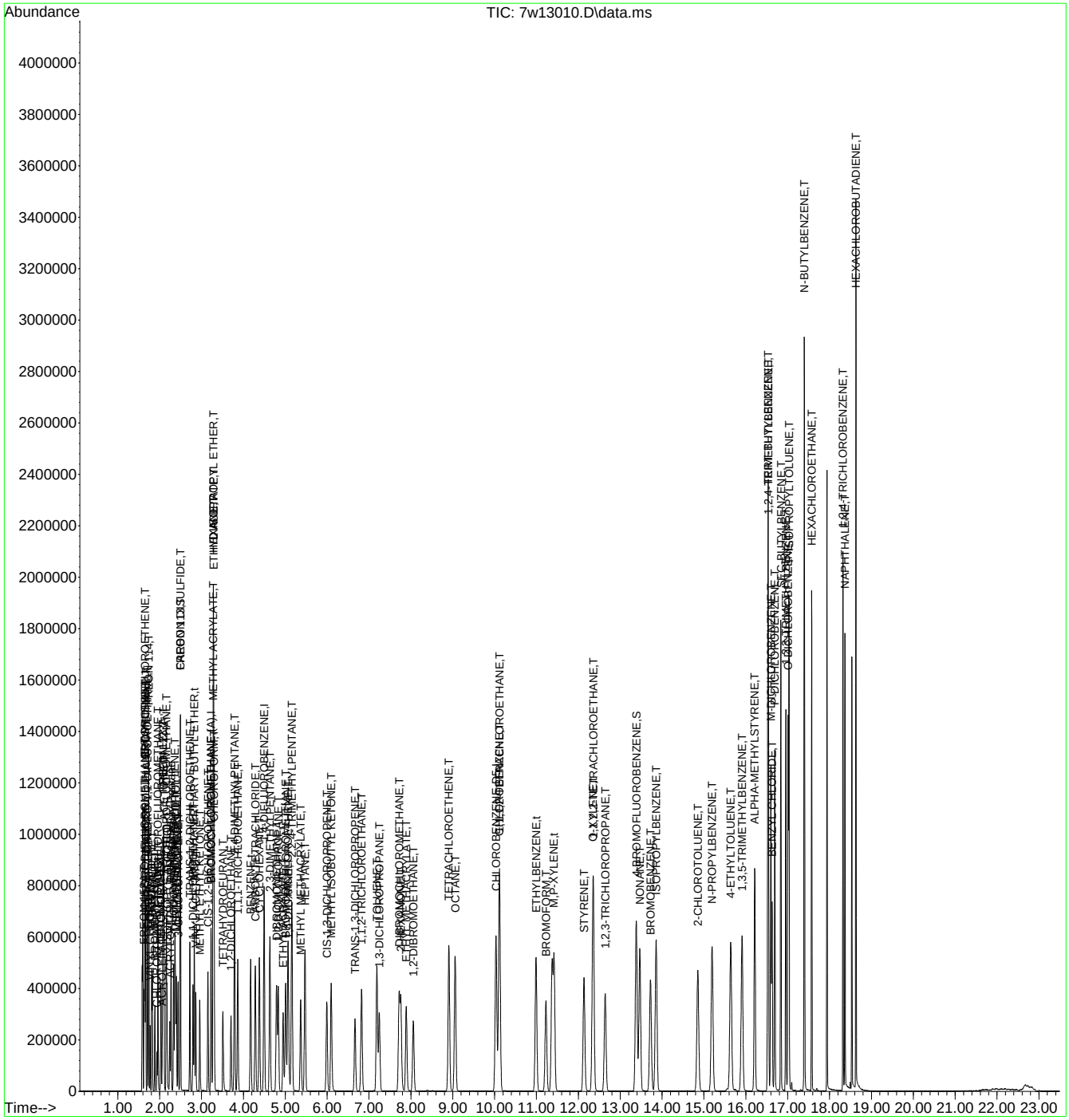
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-26-2025 NS\V7W459\
Data File : 7w13010.D
Acq On : 26 Feb 2025 9:46 am
Operator : williamc
Sample : cc405-10 Inst : MS7W
Misc : MS89821,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 26 19:02:16 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-27-2025 NS\V7W459\
Data File : 7w13041.D
Acq On : 27 Feb 2025 6:41 am
Operator : williamc
Sample : ecc405-10 Inst : MS7W
Misc : MS89682,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 17:52:50 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	129777	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	629564	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	588060	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	129777	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	431509	10.11	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	69956	11.3195	PPBV	93
4) CHLORODIFLUOROMETHANE	1.637	67	30174	9.6176	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.650	116	167760	11.1006	PPBV	96
6) DICHLORODIFLUOROMETHANE	1.666	85	345501	10.6776	PPBV	98
7) PROPYLENE	1.647	41	91456	10.7388	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	226768	9.4623	PPBV	98
9) FREON 114	1.740	85	297381	11.5862	PPBV	98
10) CHLOROMETHANE	1.711	52	37041	11.0270	PPBV	99
11) VINYL CHLORIDE	1.772	62	131353	12.1016	PPBV	100
12) 1,3-BUTADIENE	1.811	54	105975	11.4586	PPBV	89
13) N-BUTANE	1.824	43	185243	11.0059	PPBV	99
14) BROMOMETHANE	1.885	94	109811	11.3163	PPBV	100
15) CHLOROETHANE	1.933	64	69106	11.7648	PPBV	89
16) DICHLOROFLUOROMETHANE	1.959	67	250712	10.9565	PPBV	98
17) ACETONITRILE	2.026	41	108536	10.4056	PPBV	97
18) ACROLEIN	2.065	56	59056	10.7798	PPBV	98
19) FREON 123	2.078	83	279308	11.3111	PPBV	97
20) FREON 123A	2.097	117	174995	11.3823	PPBV	99
21) TRICHLOROFLUOROMETHANE	2.161	101	292408	10.2614	PPBV	99
22) ISOPROPYL ALCOHOL	2.177	45	276649	11.5069	PPBV	98
23) ACETONE	2.103	58	69633	9.2350	PPBV	74
24) PENTANE	2.274	42	134849	11.6770	PPBV	93
25) IODOMETHANE	2.335	142	311668	11.9343	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.364	96	120960	10.7495	PPBV	91
27) CARBON DISULFIDE	2.496	76	316215	11.2843	PPBV	96
28) ETHANOL	1.962	45	83691	12.7162	PPBV	99
29) BROMOETHENE	2.033	106	115331	11.1559	PPBV	97
30) ACRYLONITRILE	2.245	52	97154	10.4104	PPBV	97
31) METHYLENE CHLORIDE	2.399	84	106751	10.3926	PPBV	94
32) 3-CHLOROPROPENE	2.441	76	54468	10.1929	PPBV	91
33) FREON 113	2.496	151	199785	11.7260	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.721	96	128452	10.9655	PPBV	93
35) TERTIARY BUTYL ALCOHOL	2.377	59	245350	8.8735	PPBV	94
36) METHYL TERTIARY BUTYL ...	2.827	73	328795	9.8154	PPBV	98
37) TETRAHYDROFURAN	3.508	72	59596	11.4808	PPBV	98
38) HEXANE	3.280	57	233292	10.9150	PPBV	93
39) VINYL ACETATE	2.865	86	30763	9.7029	PPBV	93
40) 1,1-DICHLOROETHANE	2.795	63	235857	11.2529	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	63442	11.0033	PPBV	97
42) CIS-1,2-DICHLOROETHENE	3.155	96	135982	11.2702	PPBV	98
43) DIISOPROPYL ETHER	3.283	59	66153	11.1761	PPBV	100
44) ETHYL ACETATE	3.287	61	46873	11.4461	PPBV	97
45) METHYL ACRYLATE	3.274	55	270826	11.2785	PPBV #	100
46) CHLOROFORM	3.300	83	257671	10.8628	PPBV	96
47) 2,4-DIMETHYLPENTANE	3.788	57	271543	11.4909	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	259387	10.1972	PPBV	99
49) CARBON TETRACHLORIDE	4.283	117	263375	10.4399	PPBV	97
50) 1,2-DICHLOROETHANE	3.705	62	182963	10.3022	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-27-2025 NS\V7W459\
Data File : 7w13041.D
Acq On : 27 Feb 2025 6:41 am
Operator : williamc
Sample : ecc405-10 Inst : MS7W
Misc : MS89682,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 17:52:50 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	383622	11.0682	PPBV	99
53)	CYCLOHEXANE	4.380	84	174167	11.7093	PPBV	96
54)	2,3-DIMETHYLPENTANE	4.634	71	88487	11.3308	PPBV	93
55)	TRICHLOROETHENE	5.065	95	181066	11.3143	PPBV	98
56)	1,2-DICHLOROPROPANE	4.833	63	159361	11.6725	PPBV	94
57)	DIBROMOMETHANE	4.791	174	169974	11.3037	PPBV	91
58)	ETHYL ACRYLATE	4.949	55	329959	11.3742	PPBV	100
59)	BROMODICHLOROMETHANE	5.010	83	281095	11.0252	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	729254	12.0462	PPBV	99
61)	1,4-DIOXANE	5.081	88	93077	10.4309	PPBV	98
62)	HEPTANE	5.470	43	253308	11.9062	PPBV	97
63)	METHYL METHACRYLATE	5.367	69	145474	10.6392	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.097	58	143409	11.2909	PPBV	93
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	229941	10.7545	PPBV	93
66)	TOLUENE	7.190	91	483999	10.8801	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	233221	11.2256	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	194383	9.6709	PPBV	93
69)	1,1,2-TRICHLOROETHANE	6.823	83	142238	11.6322	PPBV	98
70)	2-HEXANONE	7.759	58	197075	9.9364	PPBV	92
71)	ETHYL METHACRYLATE	7.891	69	240369	10.1115	PPBV	98
72)	TETRACHLOROETHENE	8.907	164	206304	12.2399	PPBV	97
73)	DIBROMOCHLOROMETHANE	7.717	129	300305	11.6892	PPBV	100
74)	1,2-DIBROMOETHANE	8.061	107	271039	12.1080	PPBV	100
75)	OCTANE	9.058	43	352550	11.6957	PPBV	97
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	212499	11.3062	PPBV	97
78)	CHLOROBENZENE	10.106	112	416247	12.1640	PPBV	96
79)	ETHYLBENZENE	10.991	91	642253	11.0885	PPBV	98
80)	M,P-XYLENE	11.415	91	993624	21.8841	PPBV	100
81)	O-XYLENE	12.347	91	506944	11.1170	PPBV	98
82)	STYRENE	12.135	104	401328	12.2884	PPBV	98
83)	NONANE	13.470	43	365098	11.6562	PPBV	98
84)	BROMOFORM	11.225	173	287960	12.7732	PPBV	98
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	374499	12.3403	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	279413	11.5406	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	207664	11.9203	PPBV	92
89)	BROMOBENZENE	13.724	77	346761	10.6777	PPBV	92
90)	2-CHLOROTOLUENE	14.852	126	189988	11.9886	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	218260	12.3609	PPBV	98
92)	4-ETHYLTOLUENE	15.640	105	749045	11.8273	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	619389	11.6212	PPBV	96
94)	ALPHA-METHYLSTYRENE	16.215	118	321831	11.8234	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	155183	12.1653	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	637427	11.8567	PPBV	96
97)	BENZYL CHLORIDE	16.627	91	397757	8.3554	PPBV	99
98)	M-DICHLOROBENZENE	16.598	146	445170	12.1401	PPBV	98
99)	P-DICHLOROBENZENE	16.691	146	451821	12.6598	PPBV	98
100)	O-DICHLOROBENZENE	17.010	146	420439	12.1425	PPBV	99
101)	SEC-BUTYLBENZENE	16.836	134	193360	12.1638	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	608461	11.2990	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.029	134	209507	11.8891	PPBV	97
104)	N-BUTYLBENZENE	17.392	134	208166	12.0907	PPBV	97
105)	HEXACHLOROETHANE	17.572	117	226483	11.0419	PPBV	94
106)	HEXACHLOROBUTADIENE	18.627	225	322590	12.5243	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	377996	12.7715	PPBV	99
108)	NAPHTHALENE	18.366	128	795855	12.1155	PPBV	99
110)	TVHC as equiv Pentane	2.274	TIC	625451	11.3503	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-27-2025 NS\V7W459\
Data File : 7w13041.D
Acq On : 27 Feb 2025 6:41 am
Operator : williamc
Sample : ecc405-10 Inst : MS7W
Misc : MS89682,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 17:52:50 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

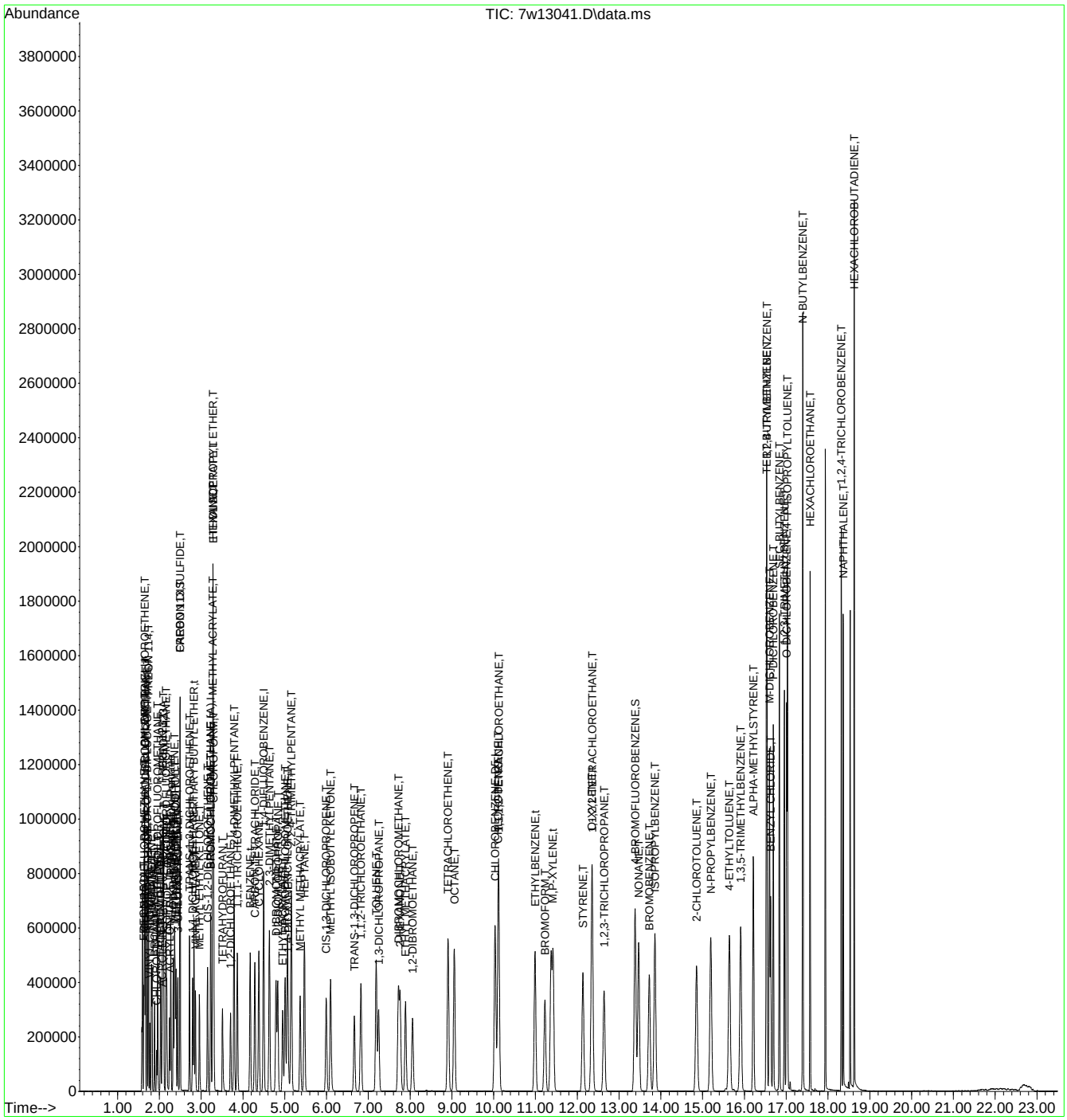
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\2. February\02-27-2025 NS\V7W459\
Data File : 7w13041.D
Acq On : 27 Feb 2025 6:41 am
Operator : williamc
Sample : ecc405-10 Inst : MS7W
Misc : MS89682,v7w459,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 17:52:50 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14395.D
Acq On : 13 Apr 2025 3:12 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:28:12 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	123258	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.495	114	636597	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	604558	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	123258	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	493693	11.25	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.627	65	77145	13.1429	PPBV	#	82
4) CHLORODIFLUOROMETHANE	1.640	67	33377	11.2012	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.653	116	166323	11.5876	PPBV		90
6) DICHLORODIFLUOROMETHANE	1.669	85	384845	12.5225	PPBV	#	94
7) PROPYLENE	1.650	41	68978	8.5278	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.708	65	258628	11.3624	PPBV		93
9) FREON 114	1.740	85	325707	13.3610	PPBV		94
10) CHLOROMETHANE	1.714	52	28366	8.8911	PPBV		93
11) VINYL CHLORIDE	1.772	62	124773	12.1033	PPBV		98
12) 1,3-BUTADIENE	1.811	54	85811	9.7691	PPBV		85
13) N-BUTANE	1.827	43	126988	7.9438	PPBV	#	90
14) BROMOMETHANE	1.888	94	115628	12.5460	PPBV		100
15) CHLOROETHANE	1.936	64	67466	12.0930	PPBV		93
16) DICHLOROFLUOROMETHANE	1.959	67	275277	12.6663	PPBV	#	97
17) ACETONITRILE	2.026	41	71752	7.2428	PPBV		98
18) ACROLEIN	2.065	56	52076	10.0085	PPBV		96
19) FREON 123	2.081	83	305537	13.0277	PPBV		96
20) FREON 123A	2.097	117	178103	12.1972	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.161	101	330084	12.1962	PPBV		100
22) ISOPROPYL ALCOHOL	2.177	45	195192	8.5482	PPBV	#	99
23) ACETONE	2.103	58	61967	8.6529	PPBV		61
24) PENTANE	2.277	42	94673	8.6316	PPBV	#	94
25) IODOMETHANE	2.335	142	299737	12.0844	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.364	96	128223	11.9976	PPBV		87
27) CARBON DISULFIDE	2.499	76	341324	12.8246	PPBV	#	92
28) ETHANOL	1.962	45	47239	7.5572	PPBV		98
29) BROMOETHENE	2.036	106	119759	12.1969	PPBV		98
30) ACRYLONITRILE	2.245	52	76983	8.6853	PPBV		96
31) METHYLENE CHLORIDE	2.402	84	114713	11.7584	PPBV		75
32) 3-CHLOROPROPENE	2.441	76	61695	12.1559	PPBV	#	53
33) FREON 113	2.496	151	187918	11.6129	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.724	96	135111	12.1440	PPBV		89
35) TERTIARY BUTYL ALCOHOL	2.373	59	253696	9.6606	PPBV		94
36) METHYL TERTIARY BUTYL ...	2.827	73	371407	11.6738	PPBV		95
37) TETRAHYDROFURAN	3.508	72	63007	12.7799	PPBV	#	67
38) HEXANE	3.280	57	209875	10.3387	PPBV		84
39) VINYL ACETATE	2.862	86	34558	11.4763	PPBV		38
40) 1,1-DICHLOROETHANE	2.795	63	238724	11.9921	PPBV		99
41) METHYL ETHYL KETONE	2.959	72	69104	12.6192	PPBV	#	48
42) CIS-1,2-DICHLOROETHENE	3.155	96	139639	12.1854	PPBV		96
43) DIISOPROPYL ETHER	3.283	59	63092	11.2227	PPBV		50
44) ETHYL ACETATE	3.287	61	45732	11.7581	PPBV		35
45) METHYL ACRYLATE	3.274	55	237089	10.3957	PPBV	#	97
46) CHLOROFORM	3.303	83	278926	12.3808	PPBV	#	94
47) 2,4-DIMETHYLPENTANE	3.791	57	247188	11.0135	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.869	97	289328	11.9758	PPBV		96
49) CARBON TETRACHLORIDE	4.287	117	284695	11.8819	PPBV		99
50) 1,2-DICHLOROETHANE	3.705	62	189408	11.2292	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14395.D
Acq On : 13 Apr 2025 3:12 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:28:12 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.174	78	421907	12.8166	PPBV		89
53)	CYCLOHEXANE	4.383	84	179702	11.9480	PPBV		92
54)	2,3-DIMETHYLPENTANE	4.634	71	92767	11.7476	PPBV		85
55)	TRICHLOROETHENE	5.065	95	189164	11.6898	PPBV		89
56)	1,2-DICHLOROPROPANE	4.833	63	157740	11.4261	PPBV		100
57)	DIBROMOMETHANE	4.791	174	163776	10.7712	PPBV		97
58)	ETHYL ACRYLATE	4.952	55	300088	10.2302	PPBV		97
59)	BROMODICHLOROMETHANE	5.010	83	308679	11.9733	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	662760	10.8268	PPBV		99
61)	1,4-DIOXANE	5.077	88	101747	11.2765	PPBV	#	92
62)	HEPTANE	5.473	43	186944	8.6899	PPBV	#	75
63)	METHYL METHACRYLATE	5.370	69	155194	11.2247	PPBV	#	73
64)	METHYL ISOBUTYL KETONE	6.094	58	135358	10.5393	PPBV		71
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	257322	11.9022	PPBV	#	82
66)	TOLUENE	7.193	91	506843	11.2677	PPBV		100
67)	1,3-DICHLOROPROPANE	7.248	76	251908	11.9911	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	221707	10.9085	PPBV	#	82
69)	1,1,2-TRICHLOROETHANE	6.823	83	149495	12.0906	PPBV		99
70)	2-HEXANONE	7.756	58	184586	9.2039	PPBV		70
71)	ETHYL METHACRYLATE	7.891	69	260386	10.8325	PPBV	#	81
72)	TETRACHLOROETHENE	8.907	164	191883	11.2586	PPBV		94
73)	DIBROMOCHLOROMETHANE	7.720	129	286591	11.0322	PPBV		100
74)	1,2-DIBROMOETHANE	8.058	107	270718	11.9601	PPBV		99
75)	OCTANE	9.061	43	258606	8.4843	PPBV	#	77
77)	1,1,1,2-TETRACHLOROETHANE	10.126	131	200065	10.3541	PPBV		92
78)	CHLOROBENZENE	10.113	112	389651	11.0761	PPBV		93
79)	ETHYLBENZENE	10.990	91	681861	11.4511	PPBV		98
80)	M,P-XYLENE	11.421	91	1079419	23.1249	PPBV		98
81)	O-XYLENE	12.344	91	553155	11.7994	PPBV		97
82)	STYRENE	12.135	104	407260	12.1297	PPBV		97
83)	NONANE	13.469	43	273053	8.4796	PPBV	#	73
84)	BROMOFORM	11.225	173	284734	12.2854	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.363	83	392962	12.5953	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	306623	12.3188	PPBV		100
88)	ISOPROPYLBENZENE	13.858	120	194325	10.8502	PPBV		91
89)	BROMOBENZENE	13.730	77	392991	11.7710	PPBV		91
90)	2-CHLOROTOLUENE	14.855	126	165500	10.1583	PPBV		100
91)	N-PROPYLBENZENE	15.193	120	201373	11.0933	PPBV		97
92)	4-ETHYLTOLUENE	15.643	105	787455	12.0945	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	657821	12.0055	PPBV		96
94)	ALPHA-METHYLSTYRENE	16.215	118	310044	11.0796	PPBV		98
95)	TERT-BUTYLBENZENE	16.527	134	136382	10.3996	PPBV		79
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	677473	12.2577	PPBV		95
97)	BENZYL CHLORIDE	16.627	91	508158	10.3832	PPBV		96
98)	M-DICHLOROBENZENE	16.598	146	403353	10.6995	PPBV		98
99)	P-DICHLOROBENZENE	16.691	146	414143	11.2874	PPBV		98
100)	O-DICHLOROBENZENE	17.009	146	387731	10.8923	PPBV		98
101)	SEC-BUTYLBENZENE	16.836	134	173923	10.6425	PPBV		74
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	654311	11.8188	PPBV		96
103)	P-ISOPROPYLTOLUENE	17.029	134	189636	10.4678	PPBV		83
104)	N-BUTYLBENZENE	17.392	134	185561	10.4836	PPBV		70
105)	HEXACHLOROETHANE	17.572	117	244252	11.5833	PPBV		92
106)	HEXACHLOROBUTADIENE	18.627	225	376080	14.2025	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.318	180	394696	12.9718	PPBV		98
108)	NAPHTHALENE	18.366	128	773804	11.4583	PPBV		100
110)	TVHC as equiv Pentane	2.277	TIC	489719	9.3572	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14395.D
Acq On : 13 Apr 2025 3:12 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:28:12 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

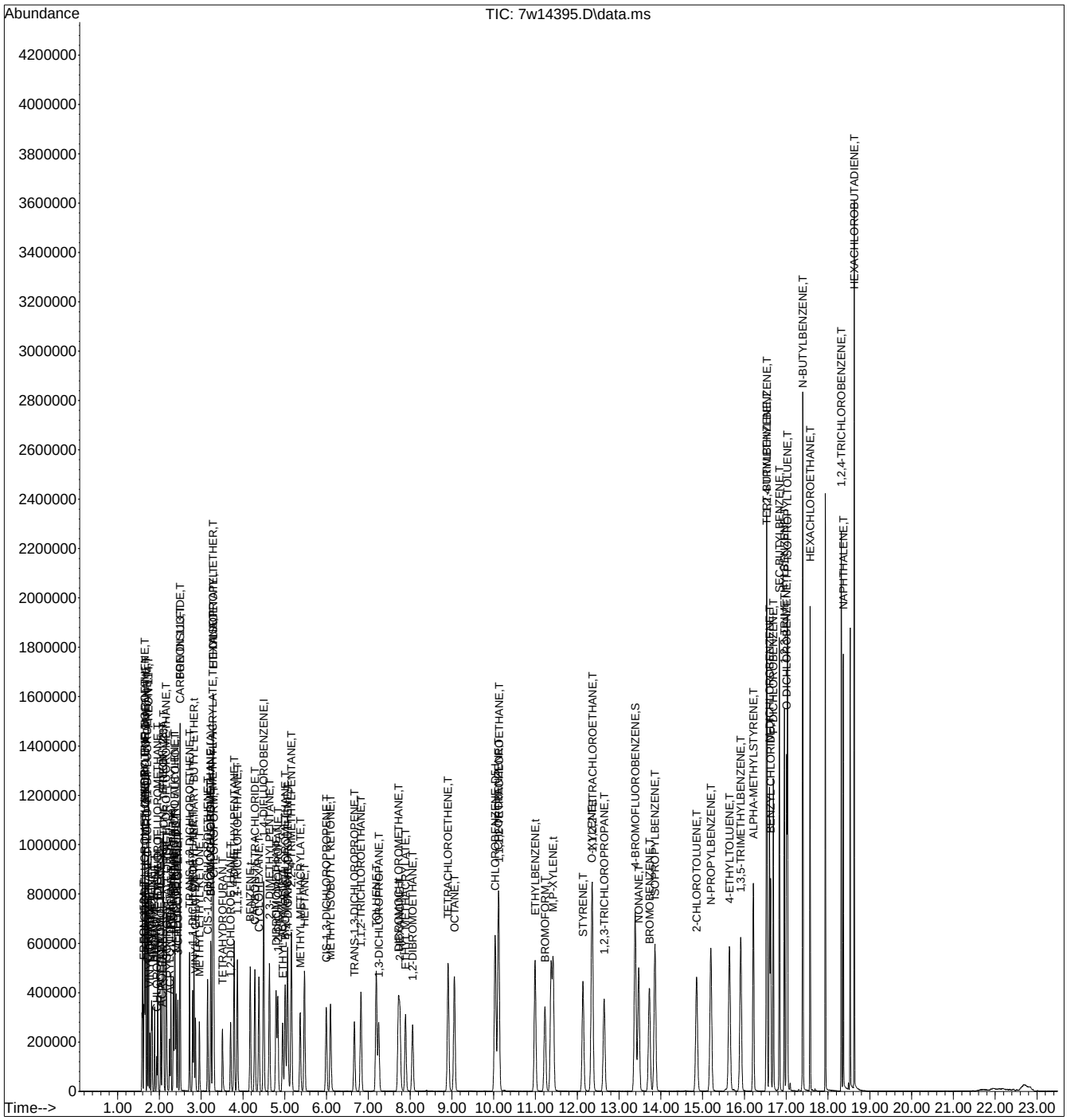
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\04-14-2025\V7W501\
Data File : 7w14395.D
Acq On : 13 Apr 2025 3:12 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 05:28:12 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14422.D
Acq On : 14 Apr 2025 10:43 am
Operator : benk
Sample : ecc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 06:22:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	127401	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	661222	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	621174	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	127401	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	503953	11.18	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.628	65	81189	13.3821	PPBV	#	81
4) CHLORODIFLUOROMETHANE	1.640	67	35851	11.6402	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.650	116	175940	11.8590	PPBV		91
6) DICHLORODIFLUOROMETHANE	1.669	85	402657	12.6760	PPBV		95
7) PROPYLENE	1.650	41	73870	8.8356	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	267300	11.3615	PPBV		93
9) FREON 114	1.740	85	340625	13.5185	PPBV		94
10) CHLOROMETHANE	1.711	52	30086	9.1236	PPBV		95
11) VINYL CHLORIDE	1.772	62	131950	12.3833	PPBV		99
12) 1,3-BUTADIENE	1.811	54	91193	10.0442	PPBV		84
13) N-BUTANE	1.827	43	135205	8.1828	PPBV	#	91
14) BROMOMETHANE	1.885	94	121491	12.7535	PPBV		99
15) CHLOROETHANE	1.933	64	72740	12.6144	PPBV	#	84
16) DICHLOROFLUOROMETHANE	1.959	67	286770	12.7660	PPBV	#	97
17) ACETONITRILE	2.026	41	77277	7.5469	PPBV		97
18) ACROLEIN	2.065	56	54515	10.1365	PPBV		100
19) FREON 123	2.078	83	322375	13.2986	PPBV		96
20) FREON 123A	2.094	117	186286	12.3427	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.161	101	341501	12.2077	PPBV		99
22) ISOPROPYL ALCOHOL	2.174	45	210719	8.9281	PPBV	#	98
23) ACETONE	2.100	58	64856	8.7618	PPBV		61
24) PENTANE	2.274	42	101245	8.9306	PPBV	#	95
25) IODOMETHANE	2.335	142	312759	12.1994	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.364	96	134594	12.1842	PPBV		87
27) CARBON DISULFIDE	2.496	76	360419	13.1017	PPBV	#	92
28) ETHANOL	1.962	45	49878	7.7199	PPBV		99
29) BROMOETHENE	2.033	106	125142	12.3307	PPBV		98
30) ACRYLONITRILE	2.245	52	81692	8.9169	PPBV		96
31) METHYLENE CHLORIDE	2.399	84	121325	12.0318	PPBV	#	73
32) 3-CHLOROPROPENE	2.441	76	65041	12.3985	PPBV	#	53
33) FREON 113	2.496	151	198353	11.8591	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.721	96	138861	12.0752	PPBV		89
35) TERTIARY BUTYL ALCOHOL	2.373	59	263294	9.7000	PPBV		94
36) METHYL TERTIARY BUTYL ...	2.827	73	386884	11.7649	PPBV		95
37) TETRAHYDROFURAN	3.509	72	66193	12.9895	PPBV	#	68
38) HEXANE	3.280	57	221770	10.5694	PPBV		84
39) VINYL ACETATE	2.862	86	36399	11.6946	PPBV		37
40) 1,1-DICHLOROETHANE	2.795	63	254129	12.3508	PPBV		99
41) METHYL ETHYL KETONE	2.955	72	72358	12.7837	PPBV	#	50
42) CIS-1,2-DICHLOROETHENE	3.152	96	146837	12.3968	PPBV		95
43) DIISOPROPYL ETHER	3.283	59	66498	11.4439	PPBV		51
44) ETHYL ACETATE	3.287	61	47765	11.8815	PPBV		38
45) METHYL ACRYLATE	3.274	55	251146	10.6540	PPBV	#	96
46) CHLOROFORM	3.300	83	291233	12.5066	PPBV	#	94
47) 2,4-DIMETHYLPENTANE	3.788	57	259775	11.1979	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.865	97	300400	12.0298	PPBV		96
49) CARBON TETRACHLORIDE	4.283	117	289288	11.6809	PPBV		99
50) 1,2-DICHLOROETHANE	3.701	62	196598	11.2764	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14422.D
Acq On : 14 Apr 2025 10:43 am
Operator : benk
Sample : ecc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 06:22:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.174	78	444021	13.0497	PPBV		90
53)	CYCLOHEXANE	4.380	84	191023	12.2277	PPBV		92
54)	2,3-DIMETHYLPENTANE	4.634	71	98545	12.0146	PPBV		85
55)	TRICHLOROETHENE	5.065	95	198145	11.7888	PPBV		89
56)	1,2-DICHLOROPROPANE	4.833	63	166110	11.5843	PPBV		98
57)	DIBROMOMETHANE	4.791	174	172402	10.9162	PPBV		97
58)	ETHYL ACRYLATE	4.949	55	313343	10.2843	PPBV		97
59)	BROMODICHLOROMETHANE	5.010	83	317570	11.8594	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	699924	11.0081	PPBV		99
61)	1,4-DIOXANE	5.078	88	105989	11.3092	PPBV		93
62)	HEPTANE	5.473	43	200148	8.9571	PPBV	#	77
63)	METHYL METHACRYLATE	5.367	69	164059	11.4240	PPBV	#	73
64)	METHYL ISOBUTYL KETONE	6.097	58	142131	10.6545	PPBV		72
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	267903	11.9301	PPBV	#	82
66)	TOLUENE	7.187	91	535966	11.4714	PPBV		99
67)	1,3-DICHLOROPROPANE	7.248	76	265021	12.1454	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	229621	10.8771	PPBV	#	82
69)	1,1,2-TRICHLOROETHANE	6.820	83	158056	12.3069	PPBV		98
70)	2-HEXANONE	7.753	58	193912	9.3089	PPBV		70
71)	ETHYL METHACRYLATE	7.888	69	273508	10.9547	PPBV	#	81
72)	TETRACHLOROETHENE	8.907	164	202797	11.4558	PPBV		94
73)	DIBROMOCHLOROMETHANE	7.721	129	294466	10.9132	PPBV		99
74)	1,2-DIBROMOETHANE	8.061	107	283512	12.0589	PPBV		99
75)	OCTANE	9.055	43	274898	8.6830	PPBV	#	79
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	206843	10.4186	PPBV		93
78)	CHLOROBENZENE	10.110	112	407026	11.2605	PPBV		93
79)	ETHYLBENZENE	10.991	91	712826	11.6509	PPBV		98
80)	M,P-XYLENE	11.415	91	1134018	23.6447	PPBV		97
81)	O-XYLENE	12.347	91	576869	11.9761	PPBV		98
82)	STYRENE	12.135	104	427160	12.3821	PPBV		98
83)	NONANE	13.473	43	287509	8.6897	PPBV	#	73
84)	BROMOFORM	11.228	173	286989	12.0515	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	414366	12.9261	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.643	75	319819	12.5053	PPBV		100
88)	ISOPROPYLBENZENE	13.859	120	203305	11.0480	PPBV		92
89)	BROMOBENZENE	13.724	77	409198	11.9286	PPBV		91
90)	2-CHLOROTOLUENE	14.855	126	171778	10.2617	PPBV		100
91)	N-PROPYLBENZENE	15.196	120	212139	11.3738	PPBV		97
92)	4-ETHYLTOLUENE	15.643	105	821734	12.2834	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	687797	12.2168	PPBV		96
94)	ALPHA-METHYLSTYRENE	16.215	118	324986	11.3029	PPBV		98
95)	TERT-BUTYLBENZENE	16.527	134	141977	10.5367	PPBV		79
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	705599	12.4251	PPBV		95
97)	BENZYL CHLORIDE	16.627	91	517478	10.2908	PPBV		95
98)	M-DICHLOROBENZENE	16.598	146	421256	10.8755	PPBV		98
99)	P-DICHLOROBENZENE	16.691	146	429903	11.4035	PPBV		99
100)	O-DICHLOROBENZENE	17.010	146	401499	10.9774	PPBV		98
101)	SEC-BUTYLBENZENE	16.839	134	178214	10.6133	PPBV		70
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	680333	11.9601	PPBV		96
103)	P-ISOPROPYLTOLUENE	17.032	134	195466	10.5010	PPBV		82
104)	N-BUTYLBENZENE	17.395	134	193857	10.6594	PPBV		71
105)	HEXACHLOROETHANE	17.572	117	245641	11.3375	PPBV		92
106)	HEXACHLOROBUTADIENE	18.630	225	393837	14.4753	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.321	180	406200	12.9928	PPBV		98
108)	NAPHTHALENE	18.366	128	796875	11.4843	PPBV		100
110)	TVHC as equiv Pentane	2.274	TIC	513546	9.4933	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14422.D
Acq On : 14 Apr 2025 10:43 am
Operator : benk
Sample : ecc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 06:22:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

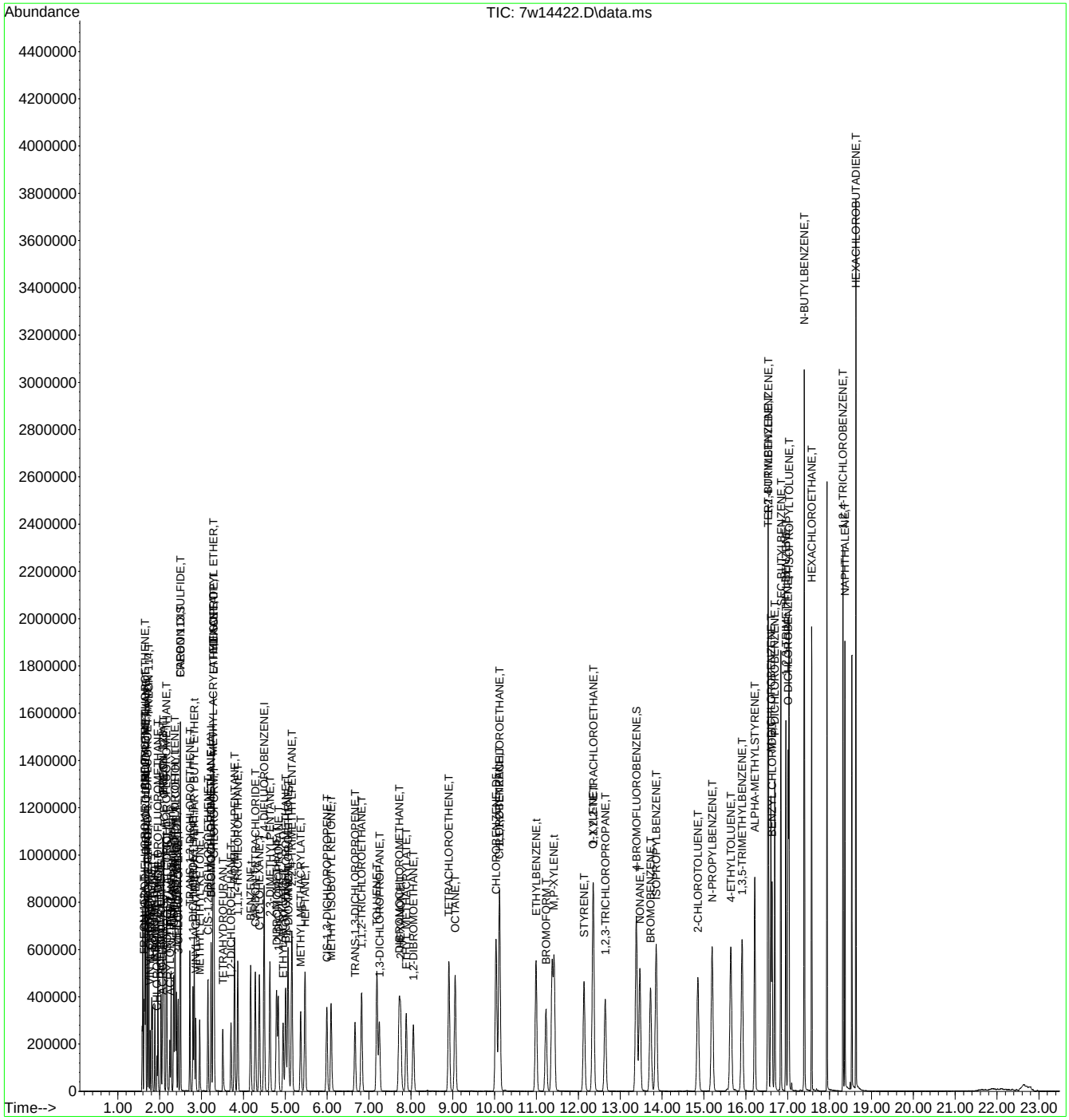
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\04-15-2025\V7W501\
Data File : 7w14422.D
Acq On : 14 Apr 2025 10:43 am
Operator : benk
Sample : ecc405-10 Inst : MS7W
Misc : MS91379,v7w501,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 15 06:22:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10298	5/31/2025	100
TO-15 STD	A1789	AS10545	2/7/2025	0.4
TO-15 STD	A1261	AS10534	2/6/2025	40.0
TO-15 STD	A2035	AS10547	2/8/2025	4
TO-15 LCS	A967	AS10539	2/6/2025	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2144
Date: 1/8/2025
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250108.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-4	ib	5w55981			a967	20					-	
1-3	ib	5w55982			a1261	20					-	
1-2	ib	5w55983			a1789	20					-	
1-1	0,0,0	5w55984			a2039	0					-	
1-1	0,0,0	5w55985			A2039	0					-	
1-1	0,0,0	5w55986			A2039	0					-	
1-1	istd only	5w55987			A2039	0					-	
1-1	istd only	5w55988			A2039	0					-	
1-1	istd only	5w55989			A2039	0					-	
1-1	ib	5w55990			A2039	400					-	
1-1	ib	5w55991			A2039	400					-	
1-1	ib	5w55992			A2039	400					-	
1-1	bfb	5w55993			a1789	20					OK	T = 23:56
1-2	ic2144-0.04	5w55994			a1789	40					OK	
1-2	ic2144-0.1	5w55995			A1789	100					OK	
1-2	ic2144-0.2	5w55996			A1789	200					OK	
1-2	ic2144-0.5	5w55997			A1789	500					RR	
1-1	ib	5w55998			A2039	400					-	
1-1	ib	5w55999			A2039	400					-	
1-3	ic2144-0.5	5w56000			a1261	5					NOT USED	Testing purposes only.
1-3	ic2144-5	5w56001			a1261	50					OK	
1-3	icc2144-10	5w56002			a1261	100					OK	
1-3	ic2141-20	5w56003			a1261	200					OK	
1-3	ic2141-40	5w56004			a1261	400					OK	
1-3	ic2141-50	5w56005			a1261	500					OK	
1-1	ib	5w56006			a2039	200					-	
1-1	ib	5w56007			a2039	400					-	
1-4	ib	5w56008			a1261	5					-	
1-1	ib	5w56009			a1261	5					-	
1-5	ib	5w56010			a2035	50					-	
1-1	ib	5w56011			a2039	200					-	
1-1	ib	5w56012			a2039	400					-	
1-6	ic2144-0.5	5w56013			a2035	50					OK	
1-4	icv2144-10	5w56014			a967	80					OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10298	5/31/2025	100
TO-15 STD	A1789	AS10545	2/7/2025	0.4
TO-15 STD	A1261	AS10534	2/6/2025	40.0
TO-15 STD	A2035	AS10547	2/8/2025	4
TO-15 LCS	A967	AS10539	2/6/2025	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V5W2144**
Date: **1/8/2025**
Laboratory Analyst: **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250108.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): **Thomas Hilbig**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS		

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10551	12/17/2025	100
TO-15 STD	a1791	as10561	2/22/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2159
Date: 1/24/2025
Laboratory Analyst: William Cruser
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250124.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): Lucky Carandang
Data Validator(s):

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-5	bfb	5w56370			OPEN	400					OK	T = 8:54
SS4	cc2144-10	5w56371			a1791	80			√	√	OK	
SS4	bs	5w56372			a1791	80			√	√	OK	
SS4	bsd	5w56373			a1791	80			√	√	OK	
1-2	ib	5w56374			A2039	100			√	√	OK	
1-2	ib	5w56375			A2039	400			√	√	OK	
1-2	mb	5w56376			A2039	400			√	√	RR	nap↑
1-2	mb	5w56377			A2039	400			√	√	OK	
1-6	scc,cp12977	5w56378			a881	400			√	√	OK	
1-7	scc,cp12977	5w56379			a2104	400			√	√	OK	
1-8	scc,cp12963	5w56380			a832	400			√	√	RECLEAN	mecl - 0.35; hex - 0.28
1-12	scc,cp12977	5w56381			a1596	400			√	√	OK	
1-1	scc,cp12974	5w56382			a243	400			√	√	OK	
1-2	scc,cp12974	5w56383			a2118	400			√	√	OK	
1-3	scc,cp12974	5w56384			a1291	400			√	√	OK	
1-4	scc,cp12981	5w56385			a1627	400			√	√	OK	
1-5	scc,cp12981	5w56386			m004	400			√	√	OK	
1-9	scc,cp12981	5w56387			a309	400			√	√	OK	
1-10	scc,cp12980	5w56388			a1202	400			√	√	OK	
1-11	scc,cp12980	5w56389			a1166	400			√	√	OK	
1-13	scc,cp12980	5w56390			m237	400			√	√	OK	
1-14	scc,cp12979	5w56391			a1885	100			√	√	OK	
1-15	scc,cp12979	5w56392			a2434	100			√	√	OK	
1-16	scc,cp12979	5w56393			a2320	100			√	√	OK	
1-6	scc,cp12979	5w56394			a1423	100			√	√	OK	
1-7	scc,cp12979	5w56395			a1996	100						wrong sample?

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS9819	1/31/2025	100
TO-15 SIM STD	A2040	AS10553	2/18/2025	0.40
TO-15 SIM STD	A2045	AS10552	2/17/2025	4.00
TO-15 SIM STD	A2043	AS10564	3/2/2025	0.04
TO-15 SIM LCS	A1810	AS10565	3/2/2025	0.40
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V6W1441
Date: 1/29/2025
Laboratory Analyst: Benjamin Kim
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250129ical.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: Benjamin Kim
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-4	ib	6w34712			A2045	20						
2-3	ib	6w34713			A2040	20						
2-2	ib	6w34714			A2042	20						
2-3	bfb	6w34715			A2040	20					NOT USED	Wrong position
2-3	ic1441-0.002	6w34716	MS80372	SIM	A2040	20					NOT USED	Wrong position
2-3	bfb	6w34717			A2040	20					NOT USED	Wrong position
2-3	ic1441-0.002	6w34718	MS80372	SIM	A2040	20					NOT USED	Wrong position
2-3	bfb	6w34719			A2040	20					OK	T = 19:24
2-3	ic1441-0.02	6w34720	MS80372	SIM	A2040	20			√	√	OK	
2-3	ic1441-0.05	6w34721	MS80372	SIM	A2040	50			√	√	OK	
2-3	icc1441-0.10	6w34722	MS80372	SIM	A2040	100			√	√	OK	
2-3	ic1441-0.20	6w34723	MS80372	SIM	A2040	200			√	√	OK	
2-3	ic1441-0.50	6w34724	MS80372	SIM	A2040	500			√	√	OK	
2-2	ib	6w34725			A2045	5						
2-4	ic1441-0.05	6w34726	MS80372	SIM	A2045	5					NOT USED	Method development
2-4	icc1441-0.1	6w34727	MS80372	SIM	A2045	10					NOT USED	Method development
2-4	ic1441-0.2	6w34728	MS80372	SIM	A2045	20					NOT USED	Method development
2-4	ic1441-0.5	6w34729	MS80372	SIM	A2045	50					NOT USED	Method development
2-4	ic1441-1.0	6w34730	MS80372	SIM	A2045	100			√	√	OK	
2-4	ic1441-2.0	6w34731	MS80372	SIM	A2045	200					NOT USED	Method development
2-4	ic1441-5.0	6w34732	MS80372	SIM	A2045	500			√	√	OK	
2-2	ib	6w34733			A2042	20						
2-2	ib	6w34734			A2042	20						
2-1	ib	6w34735			A2043	20						
2-1	ic1441-0.002	6w34736	MS80372	SIM	A2043	20			√	√	OK	
2-1	ic1441-0.005	6w34737	MS80372	SIM	A2043	50			√	√	OK	
2-1	icc1441-0.010	6w34738	MS80372	SIM	A2043	100			√	√	OK	
2-1	ic1441-0.020	6w34739	MS80372	SIM	A2043	200					NOT USED	Method development
2-1	ic1441-0.050	6w34740	MS80372	SIM	A2043	500					NOT USED	Method development
2-2	ib	6w34741			A2042	20						
2-2	ib	6w34742			A2042	20						
2-2	ib	6w34743			A2042	20						
2-5	ib	6w34744			A1810	20						
2-5	icv1441-0.1	6w34745	MS80372	SIM	A1810	20					RR	Leaky port, wrong volume
2-6	icv1441-0.1	6w34746	MS80372	SIM	A1810	100			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS9819	1/31/2025	100
TO-15 SIM STD	A2040	AS10553	2/18/2025	0.40
TO-15 SIM STD	A2045	AS10552	2/17/2025	4.00
TO-15 SIM STD	A2043	AS10564	3/2/2025	0.04
TO-15 SIM LCS	A1810	AS10565	3/2/2025	0.40
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V6W1441**
Date: **1/29/2025**
Laboratory Analyst: **Benjamin Kim**
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250129ical.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: **Benjamin Kim**
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS9819	1/31/2025	100
TO-15 SIM STD	A2040	AS10553	2/18/2025	0.40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V6W1442
Date: 1/30/2025
Laboratory Analyst: Benjamin Kim
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250130.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: Benjamin Kim
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-2	bfb	6w34747			A2042	20					OK	T = 16:13
2-1	cc1441-0.1	6w34748	MS80372	SIM	A2040	100			√	√	OK	
2-1	bs	6w34749	MS80372	SIM	A2040	100			√	√	OK	
2-1	bsd	6w34750	MS80372	SIM	A2040	100			√	√	OK	
2-2	ib	6w34751			A2042	100					-	
2-2	ib	6w34752			A2042	200					-	
2-2	mb	6w34753			A2042	400			√	√	OK	
2-3	scc,cp12974	6w34754			A1291	400			√	√	OK	
2-4	scc,cp12978	6w34755			A1597	400			√	√	OK	
2-5	scc,cp12980	6w34756			M237	400			√	√	OK	
2-6	scc,cp12981	6w34757			A1627	400			√	√	OK	
2-7	scc,cp12978	6w34758			A1735	400			√	√	OK	
2-8	scc,cp12981	6w34759			M004	400			√	√	OK	
2-9	je4441-1	6w34760	MS89061	SL	A2455	400	1		√	√	OK	
2-10	je4441-2	6w34761	MS89061	SL	A2456	400	1		√	√	OK	
2-11	je4441-3	6w34762	MS89061	SL	A2462	400	1		√	√	OK	
2-12	je4441-4	6w34763	MS89061	SL	A2474	400	1		√	√	OK	
2-12	je4441-4dup	6w34764	MS89061	SL	A2474	400	1		√	√	OK	
2-13	je4458-1	6w34765	MS89066	SL	A2486	400	1		√	√	OK	
2-14	je4458-2	6w34766	MS89066	SL	A2489	400	1		√	√	OK	
2-14	je4458-2dup	6w34767	MS89066	SL	A2489	400	1		√	√	OK	
2-15	je4458-3	6w34768	MS89066	SL	A2518	400	1		√	√	OK	
2-16	je4458-4	6w34769	MS89066	SL	A2520	400	1		√	√	OK	
2-2	je4458-5	6w34770	MS89066	SL	A2522	400	1		√	√	OK	
1-1	je4678-1	6w34771	MS89164	SL	a2528	400	1		√	√	OK	
1-2	je4678-2	6w34772	MS89164	SL	a2443	400	1		√	√	OK	
1-3	je4678-3	6w34773	MS89164	SL	a2453	400	1		√	√	OK	
1-3	je4678-3dup	6w34774	MS89164	SL	a2453	400	1		√	√	OK	
1-4	je4678-4	6w34775	MS89164	SL	a2457	400	1		√	√	OK	
1-5	scc,cp12980	6w34776			A1166	400			√	√	OK	
1-6	scc,cp12977	6w34777			A1596	400			√	√	OK	
1-7	scc,cp12974	6w34778			A243	400			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS10585	2/11/2026	100
TO-15 SIM STD	A2038	AS10579	3/5/2025	0.40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V6W1452
Date: 2/25/2025
Laboratory Analyst: Benjamin Kim
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250225.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: Thomas Hilbig
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	6w35012			A2042	20					OK	T = 21:20
1-1	cc1441-0.1	6w35013			A2038	100					OK	
1-1	bs	6w35014			A2038	100					RR	Bad injection.
1-1	bs	6w35015			A2038	100					OK	
1-1	bsd	6w35016			A2038	100					OK	
1-2	ib	6w35017			A2042	100						
1-2	mb	6w35018			A2042	400					OK	
1-3	scc,cp13010	6w35019			a295	400					OK	
1-4	scc,cp13010	6w35020			a320	400					OK	
1-5	scc,cp13010	6w35021			a856	400					OK	
1-6	scc,cp13009	6w35022			a475	400					NOT USED	PCE ↑
1-7	scc,cp13009	6w35023			a1783	400					OK	
1-8	scc,cp13012	6w35024			a1711	400					OK	
1-9	scc,cp13012	6w35025			a1579	400					OK	
1-10	scc,cp13012	6w35026			a1591	400					OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition:
Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS10585	2/11/2026	100
TO-15 SIM STD	A2038	AS10579	3/5/2025	0.40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V6W1452
Date: 2/25/2025
Laboratory Analyst: Benjamin Kim
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250225.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: Thomas Hilbig
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1421	AS10585	2/11/2026	100
TO-15 SIM STD	A2038	AS10610	4/9/2025	0.40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V6W1468
Date: 4/4/2025
Laboratory Analyst: Benjamin Kim
Columns: DB-1 (30m x 0.25mm x 0.5um)
GCMS Method: 6WTO15-SIMA.M
Sequence File: 6W20250404.S
Initial Calibration Method: M6W1441.M
Concentrator Method: 6WTO15B.7200A.CTD
Data Validator: Lucky Carandang
Data Validator:

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-1	bfb	6w35362			A2042	20					OK	T = 15:48
1-1	cc1441-0.1	6w35363			A2038	100					RR	Bad injection
1-1	cc1441-0.1	6w35364			A2038	100			√	√	OK	
1-1	bs	6w35365			A2038	100			√	√	OK	↑ $MeCl_2$
1-2	ib	6w35366			A2042	400						
1-1	bsd	6w35367			A2038	100			√	√	OK	
1-2	ib	6w35368			A2042	400						
1-2	mb	6w35369			A2042	400			√	√	OK	
1-3	je7290-1R	6w35370	MS91198	SL	A1776	400	1		√	√	OK	
1-4	je7290-2R	6w35371	MS91198	SL	A1783	592	1.48		√	√	OK	
1-5	je7290-3R	6w35372	MS91198	SL	A1821	400	1		√	√	OK	
1-6	je7290-4R	6w35373	MS91198	SL	A2164	400	1		√	√	OK	
1-7	je8442-4	6w35374	MS91161	SL	A1843	400	1		√	√	OK	
1-8	je8442-5	6w35375	MS91161	SL	A316	400	1		√	√	OK	
1-9	je8442-6	6w35376	MS91161	SL	A2118	400	1		√	√	OK	
1-10	je8442-7	6w35377	MS91161	SL	M141	400	1		√	√	OK	
1-11	je8442-8	6w35378	MS91161	SL	A1202	400	1		√	√	OK	
1-12	je8460-1	6w35379	MS91162	SL	A2464	640	1.60		√	√	OK	
1-13	je8460-2	6w35380	MS91162	SL	A2518	608	1.52		√	√	OK	
1-13	je8460-2dup	6w35381	MS91162	SL	A2518	608	1.52		√	√	OK	
1-14	je8460-3	6w35382	MS91162	SL	A2443	640	1.60		√	√	OK	
1-15	je8460-4	6w35383	MS91162	SL	A2449	592	1.48		√	√	OK	
1-16	je8460-5	6w35384	MS91162	SL	A2453	632	1.58		√	√	OK	
2-1	je8598-5	6w35385	MS91253	SL	A1711	400	1		√	√	OK	DOD
2-2	je8598-6	6w35386	MS91253	SL	A1579	400	1		√	√	OK	DOD: ↑ Toluene, RR = 4x
2-3	je8598-10	6w35387	MS91253	SL	A1291	400	1		√	√	OK	DOD
1-1	ecc1441-0.1	6w35388			A2038	100			√	√	OK	
1-1	ib	6w35389			A2042	400						
1-1	ib	6w35390			A2042	400						
2-2	je8598-6	6w35391	MS91253	SL	A1579	100	1		√	√	OK	DOD
1-1	ecc1441-0.1	6w35392			A2038	100			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A1787	AS10529	1/28/2025	0.5
TO-15 STD	A966	AS10528	1/27/2025	5.0
TO-15 STD	A1805	AS10522	1/18/2025	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W405
Date: 12/28/2024
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-5	ib	7w11219			A1795	20						
2-4	ib	7w11220			A1805	20						
2-3	ib	7w11221			A966	20						
2-2	ib	7w11222			A1787	20						
2-1	ib	7w11223			A2036	20						
2-1	ib	7w11224			A2036	20						
2-1	ib	7w11225			A2036	20						
2-1	ib	7w11226			A2036	20						
2-1	ib	7w11227			A2036	20						
2-1	ib	7w11228			A2036	20						
2-1	ib	7w11229			A2036	20						
2-1	ib	7w11230			A2036	20						
2-1	ib	7w11231			A2036	20						
2-2	bfb	7w11232			A1787	32					OK	T = 8:40
2-2	ic405-0.04	7w11233	MS80966		A1787	32			√	√	OK	
2-2	ic405-0.1	7w11234	MS80966		A1787	80			√	√	OK	
2-2	ic405-0.2	7w11235	MS80966		A1787	160			√	√	OK	
2-2	ic405-0.5	7w11236	MS80966		A1787	320					NOT USED	Testing purposes
2-3	ic405-0.5	7w11237	MS80966		A966	40			√	√	OK	
2-3	ic405-5	7w11238	MS80966		A966	400			√	√	OK	
2-4	ic405-5	7w11239	MS80966		A1805	40					NOT USED	Testing purposes
2-4	icc405-10	7w11240	MS80966		A1805	80			√	√	OK	
2-4	ic405-20	7w11241	MS80966		A1805	160			√	√	OK	
2-4	ic405-40	7w11242	MS80966		A1805	320			√	√	OK	
2-4	ic405-50	7w11243	MS80966		A1805	400			√	√	OK	
2-1	ib	7w11244			A2036	200					-	
2-1	ib	7w11245			A2036	400					-	
2-1	ib	7w11246			A2036	400					-	
2-5	icv405-10	7w11247	MS80966		A1795	80			√	√	OK	
2-5	ib	7w11248			A1795	80					-	
2-1	ib	7w11249			A2036	200					-	
2-1	ib	7w11250			A2036	400					-	
2-1	ib	7w11251			A2036	400					-	
2-1	ib	7w11252			A2036	400					-	
2-1	ib	7w11253			A2036	400					-	
2-1	ib	7w11254			A2036	400					-	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A1787	AS10529	1/28/2025	0.5
TO-15 STD	A966	AS10528	1/27/2025	5.0
TO-15 STD	A1805	AS10522	1/18/2025	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W405
Date: 12/28/2024
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W423
Date: 1/16/2025
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250116.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D8	bfb	7w11817			OPEN	400			√	√	OK	t= 10:57
1-4	cc405-10	7w11818			A974	100			√	√	OK	
1-4	bs	7w11819			A974	100			√	√	OK	
1-4	bsd	7w11820			A974	100			√	√	OK	
1-1	ib	7w11821			a2036	100			√	√	OK	
1-1	mb	7w11822			a2036	400			√	√	OK	
a1	je3956-1	7w11823	MS88809	STD, NAP	a1395	100	1		√	√	OK	
d1	je3528-1	7w11824	MS88629	BTXMT	tbag,a523	100	1		√	√	OK	
d1	je3528-1dup	7w11825	MS88629	BTXMT	tbag,a523	100	1		√	√	OK	
a2	scc,cp12972	7w11826			a1370	100			√	√	RECLEAN	
a3	scc,cp12972	7w11827			a1538	100			√	√	RECLEAN	
a4	scc,cp12972	7w11828			a1964	100			√	√	RECLEAN	
a5	scc,cp12972	7w11829			a2560	100			√	√	RECLEAN	
1-2	scc,cp12971	7w11830			m129	400			√	√	OK	
1-3	scc,cp12971	7w11831			a1751	400			√	√	OK	
1-4	scc,cp12973	7w11832			a458	400			√	√	OK	
1-5	scc,cp12967	7w11833			a2487	400			√	√	OK	
1-6	scc,cp12967	7w11834			a2521	400			√	√	OK	
1-7	scc,cp12967	7w11835			a2479	400			√	√	OK	
1-8	scc,cp12967	7w11836			a2464	400			√	√	RECLEAN	
1-9	scc,cp12967	7w11837			a2499	400			√	√	OK	
1-10	scc,cp12967	7w11838			a2483	400			√	√	OK	
1-11	scc,cp12967	7w11839			a2523	400			√	√	OK	
1-12	scc,cp12967	7w11840			a2446	400			√	√	OK	
1-13	scc,cp12967	7w11841			a2498	400			√	√	OK	
1-14	scc,cp12967	7w11842			a2459	400			√	√	RECLEAN	
1-5	scc,cp12967	7w11843			A2514	400			√	√	OK	
1-15	je3821-8	7w11844	MS88749	STD+	a2150	400	1	+	√	√	OK	
1-16	je3821-9	7w11845	MS88749	STD+	a1844	400	1	+	√	√	OK	
d2	je3821-10	7w11846	MS88749	STD+	a1832	400	1	+	√	√	OK	
d3	je3821-11	7w11847	MS88749	STD+	a343	400	1	+	√	√	OK	
d4	je3821-12	7w11848	MS88749	STD+	a2049	400	1	+	√	√	OK	
a6	je4003-1	7w11849	MS88862	STD, NAP	a1954	100	1		√	√	OK	
a7	je3905-3	7w11850	MS88797	STD	a2205	100	1		√	√	OK	t= 10:42
a8	je3905-2	7w11851	MS88797	STD	a2327	100	1				RR	sequence stopped by analyst
a9	je3905-1	7w11852	MS88797	STD	a2370	100	1				RR	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/15/2025	wc	je4149-1	tbag					500	5		500	100	**0**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W423
Date: 1/16/2025
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250116.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W424
Date: 1/17/2025
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250117.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Kristel Valladolid
Data Validator(s):

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D8	bfb	7w11851			OPEN	400					OK	t= 11:56
1-4	cc405-10	7w11852			A974	100			√	√	OK	
1-4	bs	7w11853			A974	100			√	√	RR	f114↑, CS_2↑
1-4	bs	7w11854			A974	100			√	√	OK	
1-4	bsd	7w11855			A974	100			√	√	OK	
1-1	ib	7w11856			a2036	100					-	
1-1	mb	7w11857			a2036	400			√	√	OK	
a1	je3905-2	7w11858	MS88797	STD	a2327	100	1		√	√	OK	
a1	je3905-2dup	7w11859	MS88797	STD	a2327	100	1		√	√	OK	
a2	je3905-1	7w11860	MS88797	STD	a2370	100	1		√	√	OK	
a3	scc,cp12972	7w11861			a2226	100			√	√	OK	
a4	scc,cp12972	7w11862			a2232	100			√	√	OK	
a5	scc,cp12972	7w11863			a2274	100			√	√	OK	
a6	scc,cp12972	7w11864			a1538	100			√	√	OK	
d7	je3858-1	7w11865	MS88754	SL	tbag	20	1		√	√	OK/DL	
1-1	ib	7w11866			a2036	20						
d7	je3858-1	7w11867	MS88754	SL	tbag	5	1		√	√	OK/DL	↑ PCE, RR = 200x
1-1	ib	7w11868			a2036	20						
d8	je3858-2	7w11869	MS88754	SL	tbag,tbag	200	500		√	√	OK	
1-1	ib	7w11870			a2036	20						
d9	je3858-3	7w11871	MS88754	SL	tbag,tbag	80	1000		√	√	OK	
1-1	ib	7w11872			a2036	20						
c1	je3568-1	7w11873	MS88654	STD	a2564,a716	100	240		√	√	OK	
c2	je3568-2	7w11874	MS88654	STD	a1909,a1132	80	240		√	√	OK/DL	↑ PCE, RR = 20cc
c3	je3568-3	7w11875	MS88654	STD	a2556,a432	100	266		√	√	OK	
c4	je3568-4	7w11876	MS88654	STD	a1369,a1143	200	143		√	√	OK	
a7	je4175-1	7w11877	MS88959	BENZ	a1951	100	1		√	√	OK	
a8	je4175-2	7w11878	MS88959	BENZ	a1942	100	1		√	√	OK	
a9	je4175-3	7w11879	MS88959	BENZ	a1514	100	1		√	√	OK	
1-4	je4175-4	7w11880	MS88959	BENZ	a1292	400	1		√	√	OK	
1-5	je4175-5	7w11881	MS88959	BENZ	a1696	400	1		√	√	OK	
1-6	je4175-6	7w11882	MS88959	BENZ	m146	400	1		√	√	OK	
1-7	je3631-1	7w11883	MS88689	STD	a1270	400	1		√	√	OK	
1-2	scc,cp12974	7w11884			a1291	400			√	√	RECLEAN	↑ CS_2
1-3	scc,cp12975	7w11885			a1471	400			√	√	OK	
1-10	scc,cp12967	7w11886			a2459	400			√	√	RECLEAN	↑ Hits

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/15/2025	wc	je4149-1	tbag					500	5		500	100	**0**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W424**
Date: **1/17/2025**
Laboratory Analyst: **William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250117.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Kristel Valladolid**
Data Validator(s):

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W426
Date: 1/19/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250119.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Rosanlie Alfon
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D6	bfb	7w11928			OPEN	400					OK	T = 22:14
SS-4	cc405-10	7w11929			A974	100					RR	Bad injection
SS-4	cc405-10	7w11930			A974	100			√	√	OK	↑ F142B = NT; ↑ VC, CS_2
SS-4	bs	7w11931			A974	100			√	√	OK	↑ F142B = NT; ↑ VC, CS_2
SS-4	bsd	7w11932			A974	100			√	√	OK	↑ F142B = NT
2-1	ib	7w11933			A2036	100					-	
2-1	mb	7w11934			A2036	400		+	√	√	OK	
D7	je3858-1	7w11935	MS88754	SL	tbag,tbag	100	50		√	√	OK	
2-1	ib	7w11936			A2036	20					-	
D4	je3556-1a	7w11937	MS88718	SL	tbag	20	1		√	√	OK	
2-1	ib	7w11938			A2036	20					-	
D4	je3556-1a	7w11939	MS88718	SL	tbag	5	1		√	√	RR	rr= 200x
2-1	ib	7w11940			A2036	20					-	
C8	je3556-2a	7w11941	MS88718	SL	tbag,tbag	200	500		√	√	RR	too dilute?
2-1	ib	7w11942			A2036	20					-	
C9	je3556-3a	7w11943	MS88718	SL	tbag,tbag	80	1000		√	√	RR	too dilute?
2-1	ib	7w11944			A2036	20					-	
A1	je4060-1	7w11945	MS88879	SL,ETHL,TBA	A2589	152	1.52		√	√	OK	
A1	je4060-1dup	7w11946	MS88879	SL,ETHL,TBA	A2589	152	1.52		√	√	OK	
2-2	scc,cp12968	7w11947			A1659	400			√	√	OK	
2-3	scc,cp12976	7w11948			A1736	400			√	√	OK	
2-4	scc,cp12963	7w11949			M167	400			√	√	OK	
2-5	scc,cp12969	7w11950			A077	400			√	√	OK	
2-6	scc,cp12969	7w11951			A007	400			√	√	OK	
2-7	scc,cp12969	7w11952			A1481	400			√	√	OK	
2-9	scc,cp12976	7w11953			A1297	400			√	√	OK	
2-10	scc,cp12975	7w11954			A1263	400			√	√	OK	
2-11	scc,cp12975	7w11955			A1586	400			√	√	OK	
D6	je3556-1a	7w11956	MS88718	SL	tbag,tbag	200	100		√	√	OK	
2-1	ib	7w11957			A2036	20					-	
D7	je3556-2a	7w11958	MS88718	SL	tbag,tbag	200	500		√	√	OK	
2-1	ib	7w11959			A2036	20					-	
D8	je3556-3a	7w11960	MS88718	SL	tbag,tbag	80	1000		√	√	OK	
A2	scc,cp12972	7w11961			A1370	100			√	√	OK	
A3	scc,cp12972	7w11962			A2304	100			√	√	OK	
A4	scc,cp12972	7w11963			A1964	100			√	√	OK	
A5	scc,cp12972	7w11964			A2560	100			√	√	RR	outside bfb time t = 22:20

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/20/2025	BJK	je3858-1	tbag					500	10		500	50	**0**
1/20/2025	BJK	je3556-2	tbag					500	1		500	500	**0**
1/20/2025	BJK	je3556-3	tbag					500	0.5		500	1000	**0**
1/21/2025	WC	je3556-1	tbag					500	5		500	100	**0**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W426**
Date: **1/19/2025**
Laboratory Analyst: **Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250119.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Rosanlie Alfon**
Data Validator(s): **Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

Notes:

the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W431
Date: 1/25/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250125.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Benjamin Kim
Data Validator(s): Rosanlie Alfon

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
A7	bfb	7w12100			OPEN	400					NOT USED	7650M Error: Gripper
D7	bfb	7w12101			OPEN	400					OK	T = 16:51
SS-4	cc405-10	7w12102			A974	100			√	√	OK	
SS-4	bs	7w12103			A974	100			√	√	OK	↑ HCBD, 124-TCB
SS-4	bsd	7w12104			A974	100			√	√	OK	
2-1	ib	7w12105			A2036	100					-	
2-1	mb	7w12106			A2036	400		+	√	√	OK	
C8	je4422-6	7w12107	MS89055	STD, Nap	A196	100	1		√	√	OK	
C8	je4422-6dup	7w12108	MS89055	STD, Nap	A196	100	1		√	√	OK	
C9	je4422-7	7w12109	MS89055	STD, Nap	A1359	100	1		√	√	OK	
D1	je4422-8	7w12110	MS89055	STD, Nap	A744	100	1		√	√	OK	
D2	je4422-9	7w12111	MS89055	STD, Nap	A1492	100	1		√	√	OK	
D3	je4422-10	7w12112	MS89055	STD, Nap	A248	100	1		√	√	OK	
A5	je4355-5	7w12113	Ms89055	STD, Nap	A1934	20	1		√	√	OK	
D4	je4422-11	7w12114	MS89055	STD, Nap	A1729	50	1		√	√	OK	
D5	je4422-12	7w12115	MS89055	STD, Nap	A1594	100	1		√	√	OK	
D6	je4422-13	7w12116	MS89055	STD, Nap	A1675	50	1		√	√	OK	
2-2	je4108-1	7w12117	MS88916	STD+, Nap	M406	400	1	+	√	√	OK	
2-3	je4108-2	7w12118	MS88916	STD+, Nap	A829	400	1	+	√	√	OK/DL	↑ Acetone, RR = 10x
2-4	je4108-3	7w12119	MS88916	STD+, Nap	M149	400	1	+	√	√	OK/DL	↑ Acetone, RR = 10x
2-5	je4108-4	7w12120	MS88916	STD+, Nap	M232	400	1	+	√	√	OK	
2-6	je4108-5	7w12121	MS88916	STD+, Nap	A359	400	1	+	√	√	OK	↑ Butane = NT
A1	je4108-6	7w12122	MS88916	STD+, Nap	A1948	100	1	+	√	√	OK	
A2	je4108-7	7w12123	MS88916	STD+, Nap	A2577	100	1	+	√	√	OK	
A3	je4108-8	7w12124	MS88916	STD+, Nap	A2364	100	1	+	√	√	OK	
A4	je4108-9	7w12125	MS88916	STD+, Nap	A2264	100	1	+	√	√	OK	
2-3	je4108-2	7w12126	MS88916	STD+, Nap	A829	40	1	+	√	√	OK	
2-4	je4108-3	7w12127	MS88916	STD+, Nap	M149	40	1	+	√	√	OK	
2-7	je4236-1	7w12128	MS89007	PAUG, TMB	M215	400	1		√	√	OK	
2-8	je4256-1	7w12129	MS89007	STDMA	A763	400	1		√	√	OK/DL	rr f/d
2-9	scc, cp12982	7w12130			A2019	400	1		√	√	OK	
2-10	scc, cp12982	7w12131			A898	400	1		√	√	OK	
2-11	scc, cp12982	7w12132			A195	400	1		√	√	RR	↑ MIBK
2-12	scc, cp12978	7w12133			A1735	400	1		√	√	OK	
2-14	scc, cp12978	7w12134			A1597	400	1		√	√	OK	
2-15	scc, cp12978	7w12135			A1726	400	1		√	√	RR	Past BFB Tune Time

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A974	AS10536	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W431**
Date: **1/25/2025**
Laboratory Analyst: **Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250125.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Benjamin Kim**
Data Validator(s): **Rosanlie Alfon**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO-15 STD	A968	AS10533	2/6/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W432
Date: 1/26/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250126.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s):

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D9	bfb	7w12136			OPEN	400					OK	T = 17:54
SS-4	cc405-10	7w12137			A968	100			√	√	OK	↑ HCBD
SS-4	bs	7w12138			A968	100			√	√	OK	↑ HCBD, 124-TCB, NAPH
SS-4	bsd	7w12139			A968	100			√	√	OK	↑ 124-TCB
2-1	ib	7w12140			A2036	100					-	
2-1	mb	7w12141			A2036	400			√	√	OK	
2-11	scc, cp12982	7w12142			A195	400	1				RR	Closed Valve
2-15	scc, cp12978	7w12143			A1726	400	1		√	√	OK	
D4	je3858-1A	7w12144	MS89060	SL	tbag	20	1		√	√	OK/DL	
2-1	ib	7w12145			A2036	20						
D4	je3858-1A	7w12146	MS89060	SL	tbag	5	1		√	√	OK	
2-1	ib	7w12147			A2036	20						
D5	je3858-2A	7w12148	MS89060	SL	tbag,tbag	200	500		√	√	OK	
2-1	ib	7w12149			A2036	20						
D6	je3858-3A	7w12150	MS89060	SL	tbag,tbag	80	1000		√	√	OK	
2-11	scc, cp12982	7w12151			A195	400	1				NG	PCE = 0.09, MIBK = 0.11, IPA = 0.22
D7	je4540-1	7w12152	MS89129	SL	tbag	20	1		√	√	OK/DL	
2-1	ib	7w12153			A2036	20						
D7	je4540-1	7w12154	MS89129	SL	tbag	5	1		√	√	OK	
2-1	ib	7w12155			A2036	20						
D8	je4540-2	7w12156	MS89129	SL	tbag,tbag	200	500		√	√	OK	
2-1	ib	7w12157			A2036	20						
D9	je4540-3	7w12158	MS89129	SL	tbag,tbag	80	1000		√	√	OK	
2-1	ib	7w12159			A2036	20						
C1	je4046-1	7w12160	MS89017	STD	A1604	400	1		√	√	OK	
C1	je4046-1dup	7w12161	MS89017	STD	A1604	400	1		√	√	OK	
C2	je4412-1	7w12162	Ms89055	STD	A1984,A1678	40	1550		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/26/2025	BJK	je3858-2A	tbag				tbag	500	1		500	500	**0**
1/26/2025	BJK	je3858-3A	tbag				tbag	500	0.5		500	1000	**0**
1/26/2025	BJK	je4540-2A	tbag				tbag	500	1		500	500	**0**
1/26/2025	BJK	je4540-3A	tbag				tbag	500	0.5		500	1000	**0**
1/24/2025	TH	je4412-1	A1984	9.0	1.20	1.55	A1678	6000	10	9.8	10000	1000	**1550**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO15STD	A1788	AS10572	3/3/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W459
Date: 2/26/2025
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250226.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Claire Basilio
Data Validator(s): Rosanlie Alfon

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D9	bfb	7w13009			OPEN	400					OK	
SS-4	cc405-10	7w13010			A1788	100			√	√	OK	
SS-4	bs	7w13011			A1788	100			√	√	OK	
SS-4	bsd	7w13012			A1788	100			√	√	OK	
2-1	ib	7w13013			a2036	100			√	√	OK	
2-1	mb	7w13014			a2036	400			√	√	OK	
2-2	scc(a1591),cp13012	7w13015			a1591	400					RR	
2-2	scc(a1591),cp13012	7w13016			a1591	400			√	√	OK	
c1	je5908-6	7w13017	MS89821	111TCA, 11DCA, 11DCE, 1ADIOX, DCE, TCE, VC, PCE	a1206	100	1		√	√	OK	
c1	je5908-6dup	7w13018	MS89821	111TCA, 11DCA, 11DCE, 1ADIOX, DCE, TCE, VC, PCE	a1206	100	1		√	√	OK	
c2	je5794-1	7w13019	MS89750	SL+	a1259	5	1.55		√	√	OK	
c2	je5794-1dup	7w13020	MS89750	SL+	a1259	5	1.55		√	√	OK	
c3	je5794-2	7w13021	MS89750	SL+	a1813	5	1.55		√	√	OK	
c4	je5794-3	7w13022	MS89750	SL+	a643	5	1.60		√	√	OK	
c5	je5794-4	7w13023	MS89750	SL+	a2107	5	1.58		√	√	OK	
c6	je5794-5	7w13024	MS89750	SL+	a1274	10	1.48		√	√	OK	
2-1	ib	7w13025			a2036	20					-	
2-3	je5627-1	7w13026	MS89682	MCP	a061	400	1		√	√	OK/DL	
2-4	je5627-2	7w13027	MS89682	MCP	a1636	400	1		√	√	OK/DL	
2-5	je5627-3	7w13028	MS89682	MCP	a1195	400	1		√	√	OK/DL	
2-6	je5627-4	7w13029	MS89682	MCP	a1721	400	1		√	√	OK/DL	
2-7	je5627-5	7w13030	MS89682	MCP	a1317	400	1		√	√	OK	
2-8	je5627-6	7w13031	MS89682	MCP	a1726	400	1		√	√	OK	
2-9	je5627-7	7w13032	MS89682	MCP	m401	400	1		√	√	OK/DL	
2-10	je5627-8	7w13033	MS89682	MCP	a1471	400	1		√	√	OK	
2-11	je5343-7	7w13034	MS89540	SL	a1494	400	1		√	√	OK	
d1	je5343-1	7w13035	MS89540	SL	a1194	100	1		√	√	OK/DL	
d2	je5343-2	7w13036	MS89540	SL	a1583	100	1		√	√	OK/DL	
d3	je5343-4	7w13037	MS89540	SL	a1687	100	1		√	√	OK	
d4	je5629-2	7w13038	MS89682	RCP	a1489	100	1		√	√	OK	
d5	je5629-1	7w13039	MS89682	RCP	a1491	40	1		√	√	OK	
2-1	ib	7w13040			a2036	20					-	
SS-4	ecc405-10	7w13041			A1788	100			√	√	OK	

CANISTER SECONDARY DILUTION LOG

		Pressure Gauge ID: TG -	5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
2/25/2025	wc	je5256-2a	tbag				tbag	500	1		500	500	**0**
2/25/2025	wc	je5256-3a	tbag				tbag	500	0.5		500	1000	**0**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10551	12/17/2025	100
TO15STD	A1788	AS10572	3/3/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W459**
Date: **2/26/2025**
Laboratory Analyst: **William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250226.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Claire Basilio**
Data Validator(s): **Rosanlie Alfon**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
	Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]											
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10585	2/11/2025	100
TO15STD	A968	AS10616	5/4/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W501
Date: 4/13/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250413.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Michaella Balido

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-4	bfb	7w14393			OPEN	20			√	√	OK	T = 13:57
SS-4	cc405-10	7w14394			A968	100					RR	↑ Butane, Acetonitrile
SS-4	cc405-10	7w14395			A968	100			√	√	OK	↑ HCBD
SS-4	bs	7w14396			A968	100			√	√	OK	↑ HCBD
SS-4	bsd	7w14397			A968	100			√	√	OK	↑ HCBD
2-1	ib	7w14398			A2036	200					-	
2-1	mb	7w14399			A2036	400		+	√	√	OK	
2-2	je8503-1	7w14400	MS91197	STD+, NAP	A654	400	1	+	√	√	OK	
2-2	je8503-1dup	7w14401	MS91197	STD+, NAP	A654	400	1	+	√	√	OK	
2-3	je8503-2	7w14402	MS91197	STD+, NAP	A2092	592	1.48	+	√	√	OK	
2-4	je8503-3	7w14403	MS91197	STD+, NAP	M229	400	1	+	√	√	OK	
2-5	je8503-4	7w14404	MS91197	STD+, NAP	A881	400	1	+	√	√	OK	
2-6	je8503-5	7w14405	MS91197	STD+, NAP	A1171	400	1	+	√	√	OK	
2-7	je8503-6	7w14406	MS91197	STD+, NAP	A324	400	1	+	√	√	OK	
2-8	je8503-7	7w14407	MS91197	STD+, NAP	M168	400	1	+	√	√	OK	
A1	je8503-8	7w14408	MS91197	STD+, NAP	A2234	100	1	+	√	√	OK	
A2	je8503-9	7w14409	MS91197	STD+, NAP	A2280	100	1	+	√	√	OK	
2-11	je8598-3	7w14410	MS91252	SL	A1467	400	1		√	√	OK	DOD-QSM5
2-9	je8598-1	7w14411	MS91252	SL	M122	400	1		√	√	OK	DOD-QSM5
2-10	je8598-2	7w14412	MS91252	SL	A1577	400	1		√	√	OK	DOD-QSM5
2-11	je8598-3	7w14413	MS91252	SL	A1467	400	1		√	√	NOT USED	DOD-QSM5
2-12	je8598-4	7w14414	MS91252	SL	M400	400	1		√	√	OK	DOD-QSM5
2-13	je8598-7	7w14415	MS91252	SL	A1591	400	1		√	√	OK	DOD-QSM5
2-14	je8598-8	7w14416	MS91252	SL	A1597	400	1		√	√	OK	DOD-QSM5
2-15	je8598-9	7w14417	MS91252	SL	A1590	400	1		√	√	OK	DOD-QSM5
2-16	je8598-11	7w14418	MS91252	SL	A1657	400	1		√	√	OK	DOD-QSM5
D1	je9047-1	7w14419	MS91465	NYSVLLSL	A1581	400	1		√	√	OK	
D2	je9047-2	7w14420	MS91465	NYSVLLSL	A1746	400	1		√	√	OK	
D3	je9047-3	7w14421	MS91465	NYSVLLSL	A1603	100	1		√	√	OK	
SS-4	ecc405-10	7w14422			A968	100			√	√	OK	HCBD↑, T=10:43
SS-4	ib	7w14423			A968	100					NOT RUN	analyst ended sequence

CANISTER SECONDARY DILUTION LOG

	Pressure Gauge ID: TG -	5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10585	2/11/2025	100
TO15STD	A968	AS10616	5/4/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W501
Date: 4/13/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250413.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Michaella Balido

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

APPENDIX C
DATA VALIDATION REPORTS

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Data Validation Report

This report contains the results of the review and validation of the specified data package performed by Marcia Olive, Bhate Environmental Associates, Denver, Colorado.

Introduction

This data validation report covers samples taken from Griffiss Air Force Base, New York, on February 5th, and March 28th, 2025. Twenty-one air samples including two field duplicates were collected from sites SD052-SVI Buildings 774/776 and Buildings 785/786 for long term management. All analyses were performed by SGS North America, Inc., Dayton, NJ. The specific samples included in this validation were:

Sample ID	Matrix	Final Collection Date	Analyses
774-VMP-1_0225	Air	2/5/25	VOCs (TO-15)
774-VMP-2_0225			
774-VMP-3_0225			
774-IA-1_0225			VOCs (TO-15 SIM)
776-VMP-1_0225			VOCs (TO-15)
776-VMP-2_0225			
776-VMP-2_0225-A			
776-VMP-3_0225			
776-OA-1_0225			
776-IA-1_0225			VOCs (TO-15 SIM)
785-VMP-2-0325		3/28/25	VOCs (TO-15)
785-VMP-2-0325-A			
785-VMP-4-0327			
785-VMP-5-0327			
785-IA-1-0327			VOCs (TO-15 SIM)
785-IA-2-0327			
785-OA-1-0327			VOCs (TO-15)
786-VMP-1-0327			
786-VMP-2-0327			
786-VMP-3-0327			
786-IA-1-0327			VOCs (TO-15 SIM)

This data was validated against the laboratory's QA/QC limits using the guidelines and practices published in the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (USEPA, November 2020) and per requirements of the DOD QSM, Version 5.4, as specified in the project-specific QAPP.

Sample Handling and Holding times

All samples were analyzed within the method defined hold time.

Method Blank

No compounds were detected in the method blanks.

Blank spike sample (laboratory control sample-LCS)/surrogates

The LCS recovery of methylene chloride was outside control limit for associated samples 785-IA-1-0327, 785-IA-2-0327 and 786-IA-1-0327. This compound was flagged estimated "J".

All surrogate recoveries were within control limits.

Matrix spike/matrix spike duplicates (MS/MSD)

No MS/MSD samples were analyzed.

Project specific quality assurance/quality control

The field duplicate RPD for methylene chloride was outside project defined control limits between sample 785VMP-2-0325 and its duplicate. The RPD for acetone was outside control limits for sample 776-VMP-2_0225 and its duplicate. These compounds were qualified estimated and flagged "J".

Calibration Verification Data

The calibration verification data did not warrant qualification.

Overall assessment of data

All analyses were performed, and the data met the required QC criteria except where noted. The data is 100% complete.

Sample ID	Compound	Qualifier (µg/m³)	Reason Code
776-VMP-2_0225	Acetone	28.3 J	FD RPD
776-VMP-2_0225-A	Acetone	18 J	FD RPD
785VMP-2-0325	Methylene chloride	0.80 J	FD RPD
785VMP-2-0325-A	Methylene chloride	3.2 J	FD RPD
785-IA-1-0327	Methylene chloride	0.56 J	LCS >
785-IA-2-0327	Methylene chloride	0.73 J	LCS >
786-IA-1-0327	Methylene chloride	0.66 J	LCS >

Notes: µg/m³ – micrograms per cubic meter, FD RPD – RPD between parent and duplicate is outside project defined control limits, LCS > - laboratory control sample recovered above control limits

APPENDIX D
REMEDIATION SYSTEM O&M FORMS

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Griffiss Monthly System O&M

Date:	3.28.25

Site: SD052-01-SVI. 640 Ellsworth Road				
B785/786 SSVM Passive System				
Time	Outdoor temp	Wind Speed	Turbines Spinning	Valves in Passive Mode
1300	45°	~ 7 mph	of 2 spinning	

Site: SD052-02-SVI. 454 Phoenix Dr.				
B774/776 SSVM Passive System				
Time	Outdoor temp	Wind Speed	Turbines Spinning	Valves in Passive Mode
~~—~~	~~~ 40°~~	~~5-7~~	of 3 spinning	

Site ST006	B101, 394 Hangar Road			
SVE System				
Time	Vacuum gauge	Vacuum Gauge	Differential gauge	Temp
	Before filter	After Filter		
NA				

Blower Outlet Presure	Hours

Wind Speed - light, moderate, heavy. Intermittent
Turbines Spinning - Yes, no, do any appear to be stuck

609-752-0100

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ATTACHMENTS

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ATTACHMENT 1
TABLES 1-4 FROM FINAL RECORD OF DECISION (AFCEC, SEPTEMBER 2016)

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FINAL
RECORD OF DECISION

SOIL VAPOR INTRUSION AT SD-052-02 BUILDING 775 SITE (BUILDINGS 774 AND 776) AND SD-052-01 APRON 2 CHLORINATED PLUME SITE (BUILDINGS 785 AND 786) FORMER GRIFFISS AIR FORCE BASE ROME, NEW YORK



Air Force Civil Engineer Center
Building 171
2261 Hughes Avenue, Suite 155,
Joint Base San Antonio Lackland, TX

September 2016

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Table 1
Building 774 Detected Indoor, Outdoor Air, and Sub-slab Vapor Analytical Results (2006 and 2008)

Sample Location	774IA-1			774IA-2			774IA-3		774IA-4		774IA-5	774OA-1			774SSV-1		774SSV-2		774SSV-3	774SSV-4
Sample ID	774-IA1	774IA1BB	774IA1CA	774-IA2	774IA2BB	774IA2CA	774IA3BB	774IA3CA	774IA4BB	774IA4CA	774IA5CA	774-OA1	774OA1BB	774OA1CA	774-SSV1	774SSV1BB	774-SSV2	774SSV2BB	774SSV3BB	774SSV4BB
Sample Type	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor	SSV	SSV	SSV	SSV	SSV	SSV
Sample Date	12/20/2006	4/15/2008	5/29/2008	12/20/2006	4/15/2008	5/29/2008	4/15/2008	5/29/2008	4/15/2008	5/29/2008	5/29/2008	12/20/2006	4/15/2008	5/29/2008	10/24/2006	4/15/2008	10/24/2006	4/15/2008	4/15/2008	4/15/2008
Sample Depth (ft above ground - Indoor and Outdoor and ft bgs for SSV)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1
Sample Collection Duration (hr)	8	12	12	8	12	12	12	12	12	12	12	8	8	8	8	12	8	12	12	12
Volatiles (TO-15) in µg/m³																				
cis-1,2-dichloroethene	U	1.57 J	0.685	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.64	0.60
trichloroethylene (tce)	2.4	**347***	3.99*	3.4*	**559***	4.21*	**389***	4.7*	**236***	2.13	6.61*	U	0.492	U	**1700***	**490***	**810***	**590***	66*	69*
vinyl chloride	U	0.13 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes

J - The analyte was positively identified, but the quantitation is an approximation

U - Not detected

µg/m³ microgram per cubic meter

Exceedance of the Air Force Industrial/Commercial SVI Screening Level

*- TCE above EPA Industrial Regional Screening Level (3 µg/m3)

Table 2

Building 776 Detected Indoor, Outdoor Air, and Sub-slab Vapor Analytical Results (2006 and 2008)

Sample Location	776IA-1		776IA-2		776IA-3	776IA-4	776SSV-1		776SSV-2		776SSV-3	776SSV-4
Sample ID	776-IA1	776IA1BB	776-IA2	776IA2BB	776IA3BB	776IA4BB	776-SSV1	776SSV1BB	776-SSV2	776SSV2BB	776SSV3BB	776SSV4BB
Sample Type	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	SSV	SSV	SSV	SSV	SSV	SSV
Sample Date	12/20/2006	4/15/2008	12/20/2006	4/15/2008	4/15/2008	12/20/2006	10/24/2006	4/15/2008	10/24/2006	4/15/2008	4/15/2008	4/15/2008
Sample Depth (ft above ground - Indoor and Outdoor and ft bgs for SSV)	5	5	5	5	5	5	1	1	1	1	1	1
Sample Collection Duration (hr)	8	12	8	12	12	12	8	12	8	12	12	12
Volatiles (TO-15) in µg/m³												
cis-1.2-dichloroethene	U	U	U	U	U	U	U	U	U	U	0.64	U
trichloroethylene (tce)	4.4*	3.28 M*	2.9	2.35	2.51	2.62	**3000***	6.9	**700***	110*	120*	230*
vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U

Notes:

M - A matrix effect was reported in the sample

U - Not detected

µg/m³: microgram per cubic meter

Exceedance of the Air Force Industrial/Commercial SVI Screening Levels

*- TCE above EPA Industrial Regional Screening Level (3 µg/m3)

Table 3

Building 785 Detected Indoor, Outdoor Air, and Sub-slab Vapor Analytical Results (2006 and 2008)

Sample Location	785IA-1	7851A-2	785IA-3	786OA-1		785SSV-1		785SSV-2		785SSV-3	785SSV-4	785SSV-5	785SSV-6
Sample ID	785-IA1	785-IA2	785IA3BB	786-OA1	786OA1BB	B785-SSV1	785SSV1BB	B785-SSV2	785SSV2BB	785SSV3BB	785SSV4BB	785SSV5BB	785SSV6BB
Sample Type	Indoor	Indoor	Indoor	Outdoor	Outdoor	SSV	SSV	SSV	SSV	SSV	SSV	SSV	SSV
Sample Date	12/20/2006	12/20/2006	4/17/2008	12/20/2006	4/18/2008	10/24/2006	4/17/2008	10/24/2006	4/17/2008	4/17/2008	4/17/2008	4/17/2008	4/17/2008
Sample Depth (ft above ground - Indoor and Outdoor and ft bgs for SSV)	5	5	5	5	5	1	1	1	1	1	1	1	1
Sample Collection Duration (hr)	12	12	12	12	12	8	12	8	12	12	12	12	12
Volatiles (TO-15) in µg/m^3													
1.2.4-trimethylbenzene	NA	NA	1.30	U	0.949	NA	1.9 M	NA	2.3 M	2.9 M	4 M	3.4 M	9 M
1.3.5-trimethylbenzene	NA	NA	0.650 F	U	U	U	0.70 F	U	0.9 M	1.1 M	1.6 M	1.6 M	3.5 M
benzene	1.1	1.1	0.617	0.96	0.617	U	10	15	3.5 J	17	19 M	14	20
cis-1,2-dichloroethene	U	U	U	U	U	75	13	U	0.69 J	0.48 F	14 M	0.52 F	56
ethylbenzene	NA	NA	0.441 F	NA	U	U	1 M	U	1.9 M	1.8 M	2.4 M	3 M	4 M
m,p-xylene (sum of isomers)	NA	NA	1.28 F	NA	0.883 F	U	2.7 M	U	4.4 M	6.3 M	8.8 M	10 F	12 F
Naphthalene	NA	NA	1.33	NA	U	NA	1.2 M	NA	1.9 M	1.2 M	1.4 M	1.8 M	1.6 M
o-xylene	NA	NA	0.485 F	NA	0.441 F	U	1.1 M	U	1.6 M	1.9 M	2.8 M	4.9 M	3.3 M
tetrachloroethylene (pce)	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	NA	NA	2.72	NA	1.49	60	5.5 M	13	5.1 M	12 M	18 M	64	28 M
trichloroethylene (tce)	U	U	0.655	U	U	**11000***	110*	**2300***	**430 J***	220*	11 M	180*	**2200***
vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:

U - Not detected

F - The analyte was detected above the method detection limit (MDL), but below the reporting limit (RL).

J- The analyte was positvely identified, but the quantitation is an approximation.

NA- Not Available

Exceedance of the Air Force Industrial/Commercial SVI Screening Levels

*- TCE above EPA Industrial Regional Screening Level (3 µg/m3)

Table 4
Building 786 Detected Indoor, Outdoor Air, and Sub-slab Vapor Analytical Results (2006 and 2008)

Sample Location	786IA-1	786IA-2	786IA-3	786OA-1		786SSV-1		786SSV-2		786SSV-3	786SSV-4	786SSV-5	786SSV-6
Sample ID	**786-IA1**	**786-IA2**	**786IA3BB**	**786-OA1**	**786OA1BB**	**B786-SSV1**	**786SSV1BB**	**B786-SSV2**	**786SSV2BB**	**786SSV3BB**	**786SSV4BB**	**786SSV5BB**	**786SSV6BB**
Sample Type	**Indoor**	**Indoor**	**Indoor**	**Outdoor**	**Outdoor**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**
Sample Date	**12/20/2006**	**12/20/2006**	**4/18/2008**	**12/20/2006**	**4/18/2008**	**10/24/2006**	**4/18/2008**	**10/24/2006**	**4/18/2008**	**4/18/2008**	**4/18/2008**	**4/18/2008**	**4/18/2008**
Sample Depth (ft above ground - Indoor and Outdoor and ft bgs for SSV)	**5**	**5**	**5**	**5**	**5**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)	**8**	**8**	**12**	**12**	**12**	**8**	**12**	**8**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in µg/m³													
1,2,4-trimethylbenzene	NA	U	0.749	U	0.949	NA	3.9 M	NA	4.8 M	4.5 M	4.2 M	170	4.8 M
1,3,5-trimethylbenzene	NA	U	U	U	U	U	1.6	U	1.8 M	1.7 M	1.5 M	58	2 M
benzene	1.2	1.2	0.747	0.96	0.617	U	29	24 J	21	21	35	36 M	16
cis-1,2-dichloroethene	U	U	U	U	U	480	230	U	12	1.2 M	U	3.1 M	5.4
ethylbenzene	NA	NA	U	NA	U	U	2.3 M	U	3.1 M	2.3 M	2.9 M	29 M	2.3 M
m,p-xylene (sum of isomers)	NA	NA	0.750 F	NA	0.883 F	U	9 M	U	8.4 F	8.9 M	8.4 F	91 M	9.2 M
Naphthalene	NA	NA	1.01 J	NA	U	NA	1.3 M	NA	2.1 M	2.6 M	1.2 M	27 M	1.5 M
o-xylene	NA	NA	U	NA	0.441 F	U	3 M	U	3.9 M	2.8 M	3.8 M	57 M	3 M
tetrachloroethylene (pce)	U	0.896 F	U	U	U	**2200**	70	U	0.97 F	U	U	57 M	23
toluene	NA	NA	1.92	NA	1.49	U	21	U	14	12	20	75 M	15
trichloroethylene (tce)	0.43 J	U	U	U	U	**81000***	**19,000 J***	**4,700 J***	**1500***	69*	320*	**3600***	**6,500 M***
vinyl chloride	U	U	U	U	U	U	M	U	U	U	U	U	U

Notes:
U - Not detected.
F - The analyte was detected above the method detection limit (MDL), but below the reporting limit (RL)
J- The analyte was positvely identified, but the quantitation is an approximation
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of the Air Force Industrial/Commercial SVI Screening Levels
*- TCE above EPA Industrial Regional Screening Level (3 µg/m3)

ATTACHMENT 2
TABLES 3-2 THROUGH 3-5 FROM FINAL QUARTERLY OPERATIONS AND MAINTENANCE REPORT (2ND QUARTER/CALENDAR YEAR 2016/APRIL - JUNE) (CAPE/FPM, JULY 2016)

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FINAL

QUARTERLY OPERATIONS AND MAINTENANCE REPORT
SD-052-02 BUILDING 775 SITE (BUILDINGS 774 AND 776) AND
SD-052-01 APRON 2 CHLORINATED PLUME SITE (BUILDINGS 785 AND 786)
SUB-SLAB VAPOR MITIGATION SYSTEMS
(2ND QUARTER / CALENDAR YEAR 2016 / APRIL - JUNE)

FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Prepared for:

Air Force Civil Engineer Center
Building 171
2261 Hughes Avenue, Suite 155,
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In association with:

10901 Lowell Avenue, Suite 271
Overland Park, Kansas 66210

Contract Number FA8903-10-D-8595/Delivery Order 0014

July 2016

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Table 3-2
Building 774/776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location			774VMP-1											
Sample ID	Sub-slab Vapor Screening Level* ($\mu g/m^3$)	Indoor Air Screening Level* ($\mu g/m^3$)	774VMP0101AA	774VMP0101AB	774VMP0101AC	774VMP0101AD	774VMP0101AG	774VMP0101HA	774VMP0101IA	774VMP0101JA	774VMP0101KA	774VMP0101MA	774VMP0101NA	774VMP0101PA
Sample Type			sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab
Sample Date			4-May-2011	24-Aug-2011	21-Oct-2011	25-Jan-2012	6-Aug-2012	21-Feb-2013	8-Aug-2013	30-Jan-2014	17-Jul-2014	22-Jan-2015	31-Aug-2015	3-Feb-2016
Sample Depth (ft bgs / ags)			1	1	1	1	1	1	1	1	1	1	1	1
Sample Collection Duration (hr)			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	U	U	1.1	U	U	22,000	U	0.84 J	U	0.2 J	U	0.29 J
1,1-dichloroethane	77	7.7	0.53 J	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	88	9	U	U	U	U	U	U	U	U	U	0.27 J	U	U
1,2,4-trimethylbenzene	310	31	6.7	3.2	U	12	1.8	1.3 J	U	U	U	0.35 J	1.8	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	0.37 J	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	2.5	0.9	U	3.2 J	0.47 J	0.52 J	U	U	U	U	0.49 J	U
1,3-dichlorobenzene	NA	NA	U	U	U	1.4 J	0.40 J	U	U	U	U	U	0.65 J	U
1,4-dichlorobenzene	11	1.1	U	U	U	U	U	U	0.31 J	U	U	0.17 J	1 J	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	1.9	U	2.6 J	2.2	15	1.1	U	U	U	0.18 J	U
4-ethyltoluene	NA	NA	4.6	1.2	U	3.2 J	0.56 J	0.26 J	U	U	U	0.14 J	0.52 J	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.28 J	U	U	U	U	U	0.81 J	U
acetone	1,400,000	140,000	54	31	18	64	30 B	86	28	43 J	U	64	20	22
benzene	16	1.6	1.6	4.3	U	U	0.44 J	1.3	0.64	0.49 J	U	0.89	0.43 J	0.45 J
carbon disulfide	31,000	3,100	U	0.66	U	U	U	0.42 J	1.3 J	U	U	0.89 J	9	0.71 J
carbon tetrachloride	20	2	1	0.70 J	U	U	0.50 J	0.76 J	0.71 J	0.55 J	U	0.57 J	0.52 J	0.39 J
chlorobenzene	2,200	220	U	0.51 J	U	U	U	U	0.15 J	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	18	9.1	U	U	0.38 J	U	0.42 J	0.82 J	U	U	0.49 J	U
chloromethane	3,900	390	3.5	U	U	U	1.1	2.1	1.2	1.5	U	1.3	1.1	0.95 J
cis-1,2-dichloroethene	NA	NA	0.89	0.77	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	1.1 J	U	U	0.42 J	U	U	U	0.49 J	U
cyclohexane	260,000	26,000	4.8	7.8	2.4	U	2.3	18	0.91	1.1	U	1.1	0.59 J	1.3
ethyl acetate	3,100	310	U	U	0.77 J	U	U	U	NA	U	U	U	U	U
ethylbenzene	49	4.9	1.4	2.8	U	4.1 J	0.95	1.8	0.97	U	U	0.25 J	6.2	0.22 J
freon 11 (trichlorofluoromethane)	31,000	3,100	31	19	2.0	1.9 J	2.3	2 J	3.7	2.4	15 J	1.6	2.1	5.3
freon 113 (freon TF)	1,300,000	130,000	U	0.78 J	U	U	0.63 J	0.65 J	0.50 J	0.62 J	U	0.97 J	0.54 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	2.1	2.8	2.5	2.4 J	2.8	3.4 J	2.3 J	3.1	2.8 J	2.5	2.3 J	1.7 J
freon 22	2,200,000	220,000	NA	NA	NA	300	83	7.3 J	17	8.2	1100	5.1	U	3.5
heptane	NA	NA	U	3.7	U	U	0.68 J	18	0.57 J	0.51 J	U	0.44 J	U	0.51 J
hexane	31,000	3,100	U	7.9	U	5.1	1.2	27	0.67 J	0.71	U	0.51 J	0.21 J	0.5 J
isopropyl alcohol	NA	NA	U	U	2.8	17 J	22	65	15	4.0 J	9.0 J	13	7.4 J	4.5 J
m,p-xylene (sum of isomers)	4,400	440	5.3	9	U	12	3.1	6.4	2.5	U	U	0.56 J	6.3	0.62 J
methyl butyl ketone	NA	NA	U	U	U	U	0.43 J	U	0.58 J	U	U	1.2 J	U	0.56 J
methyl ethyl ketone	220,000	22,000	1.7	4.9	1.7	1.9 J	3.2 B	6.1	3.2	2.5	U	7.2	2.6	3.4
methyl isobutyl ketone	130,000	13,000	U	U	U	U	1.1 J	U	0.61 J	0.40 J	U	1.2 J	0.8 J	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	U	0.99	0.46 J	U	0.72 J	0.77 J	0.50 J	0.69 J	U	1.3 J	0.53 J	2.3
Naphthalene	3.6	0.36	U	U	U	U	0.60 J	1.1 J	U	U	U	U	0.54 J	U
n-Butane	NA	NA	NA	NA	NA	U	1.4	3.7	1.0 J	12	U	1.9	1.1 J	1.9
n-Propylbenzene	44,000	4,400	NA	NA	NA	2.2 J	0.36 J	U	U	U	U	U	0.45 J	U
o-xylene	4,400	440	2.4	2.4	U	7.9	1.2	2	0.63 J	U	U	0.27 J	2.3	0.26 J
styrene	44,000	4,400	U	U	U	U	0.48 J	0.41 J	U	U	U	0.12 J	0.54 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	1.4 J	1.4 J	U	U	0.96 J	0.77 J	U
tetrachloroethylene (pce)	470	47	0.97 J	1	U	U	U	U	U	U	U	U	U	0.2 J
tetrahydrofuran	NA	NA	3.1	U	U	U	2.2 J	U	U	U	U	0.75 J	U	U
toluene	220,000	22,000	1.6	17	2.1	5.2	4.2	7.4	3.3	0.69 J	1.4 J	1	3.4	1.5
trichloroethylene (tce)	30	3	580	410	3.7	4.8 J	1.0 J	0.24 J	0.18 J	6.8	U	0.71 J	0.5 J	1.9
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
*EPA Commercial Regional Screening Levels

Table 3-2
Building 774/776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level* ($\mu g/m^3$)	Indoor Air Screening Level* ($\mu g/m^3$)	774VMP-2											
Sample ID			**774VMP0201AA**	**774VMP0201AB**	**774VMP0201AC**	**774VMP0201AD**	**774VMP0201AG**	**774VMP0201HA**	**774VMP0201IA**	**774VMP0201JA**	**774VMP0201KA**	**774VMP0201MA**	**774VMP0201NA**	**774VMP0201PA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**24-Aug-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**8-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**	**22-Jan-2015**	**31-Aug-2015**	**3-Feb-2016**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	85	2.4	U	U	2.6	U	U	U	U	U	0.66 JM	U
1,1-dichloroethane	77	7.7	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	88	9	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	12	4	0.65 J	6.0 J	1.7	0.45 J	0.34 J	0.31 J	U	0.28 J	1.8	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	3.9	2	U	U	0.43 J	U	U	U	U	0.11 J	0.5 J	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	0.37 J	U	U	U	U	U	0.71 J	U
1,4-dichlorobenzene	11	1.1	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	2.2	U	2.1 J	U	12	U	0.26 J	U	U	0.21 J	U
4-ethyltoluene	NA	NA	8.5	1.5	U	U	0.52 J	U	U	U	U	U	0.64 J	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.34 J	U	U	0.47 J	U	U	0.28 J	U
acetone	1,400,000	140,000	53	U	11	110 J	43	82	22	47 J	U	17	29	8.1 J
benzene	16	1.6	6	4.4	U	U	0.53 J	1.2	0.34 J	0.79	U	0.74	0.41 J	0.48 J
carbon disulfide	31,000	3,100	0.95	0.6	U	U	1.2 J	U	U	U	U	U	0.19 JM	U
carbon tetrachloride	20	2	1.4	0.70 J	U	U	0.59 J	U	1.0 J	0.78 J	U	0.54 J	0.67 J	0.69 J
chlorobenzene	2,200	220	U	0.56 J	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	45	1.8	0.69 J	U	0.69 J	U	0.76 J	1.1	U	0.23 J	0.58 J	U
chloromethane	3,900	390	U	U	U	U	0.77 J	1.9	1.3	1.0 J	U	1.1	0.82 J	U
cis-1,2-dichloroethene	NA	NA	0.73	U	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	U	0.43 J	U
cyclohexane	260,000	26,000	5.9	10	3.5	U	1.8	12	1.3	1.6 J	U	0.98	0.19 JM	U
ethyl acetate	3,100	310	U	0.62 J	U	U	U	U	NA	U	U	U	U	U
ethylbenzene	49	4.9	1.6	3.2	U	1.9 J	0.94	1.5	0.31 J	0.25 J	U	0.22 J	5.2	U
freon 11 (trichlorofluoromethane)	31,000	3,100	400	22	2.2	U	3.8	1.8	7.3	3.5	14 J	1.9	3	4.3
freon 113 (freon TF)	1,300,000	130,000	0.86 J	0.78 J	U	U	0.61 J	U	0.51 J	0.82 J	U	0.82 J	0.66 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	2.8	2.8	2.1	3.1 J	2.5	2.9	2.4 J	3.4	U	2.6	2.9	1.9 J
freon 22	2,200,000	220,000	NA	NA	NA	750	130	6.7 J	27	U	1300 J	U	U	3
heptane	NA	NA	U	4.2	6.2	U	0.88	18	0.32 J	0.75 J	U	0.38 J	0.29 J	U
hexane	31,000	3,100	U	8.2	U	U	0.77	23	0.49 J	0.83	U	0.55 J	0.37 J	0.36 J
isopropyl alcohol	NA	NA	4.4	15	2.4	20 J	30	39	44	7.2 J	12 J	9.3 J	7.1 J	2.7 J
m,p-xylene (sum of isomers)	4,400	440	5.1	12	0.53 J	5.5 J	3.1	4.7	0.89 J	0.63 J	U	0.57 J	5.7	U
methyl butyl ketone	NA	NA	U	U	U	U	U	U	0.19 J	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	4.3	3	U	U	3.4 B	5.4	1.2 J	2.0	U	U	1.9	U
methyl isobutyl ketone	130,000	13,000	U	U	U	U	1.3 J	U	0.44 J	0.45 J	U	U	U	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	U	U	U	U	0.59 J	U	0.48 J	1.1 J	U	0.72 J	0.45 J	1.3 J
Naphthalene	3.6	0.36	U	U	U	U	1.9 J	U	U	U	U	U	0.82 J	U
n-Butane	NA	NA	NA	NA	NA	U	1.2 J	3.6	4.7	18 J	U	3.4	1.9	1.6
n-Propylbenzene	44,000	4,400	NA	NA	NA	U	0.31 J	U	U	U	U	U	0.46 J	U
o-xylene	4,400	440	2.2	2.8	U	3.6 J	1.1	1.2	0.34 J	0.23 J	U	0.2 J	2.2	U
styrene	44,000	4,400	U	U	U	U	0.44 J	U	0.18 J	U	U	0.078 J	0.55 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	0.63 J	U
tetrachloroethylene (pce)	470	47	2.8	U	U	U	U	U	U	0.25 J	U	U	U	U
tetrahydrofuran	NA	NA	6.7	U	U	U	1.4 J	U	U	U	U	U	U	U
toluene	220,000	22,000	3.2	17	1.4	4.8 J	3.9	4.7	1.4	1.2 J	U	0.91	4.1	0.64 J
trichloroethylene (tce)	30	3	2,900	84	11	4.2 J	20	U	0.21 J	3.3 J	U	0.29 J	1.9	0.61 J
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
*EPA Commercial Regional Screening Levels

Table 3-2
Building 774/776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location			774VMP-3											
Sample ID	**Sub-slab Vapor Screening Level* ($\mu g/m^3$)**	**Indoor Air Screening Level* ($\mu g/m^3$)**	**774VMP0301AA**	**774VMP0301AB**	**774VMP0301AC**	**774VMW0301AD**	**774VMP0301AG**	**774VMP0301HA**	**774VMP0301IA**	**774VMP0301JA**	**774VMP0301KA**	**774VMP0301MA**	**774VMP0301NA**	**774VMP0301PA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**24-Aug-2011**	**21-Oct-2011**	**26-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**8-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**	**22-Jan-2015**	**31-Aug-2015**	**3-Feb-2016**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	12	0.67 J	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	77	7.7	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	88	9	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	6.3	4.1	0.95	U	0.35 J	1.4 J	U	U	U	U	U	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	2.2	1.8	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	11	1.1	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	2.3	U	U	U	13	0.22 J	U	U	U	U	U
4-ethyltoluene	NA	NA	4.2	1.6	U	U	U	U	U	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.27 J	1.8 J	U	U	U	U	U	U
acetone	1,400,000	140,000	17	19	12	30 J	25 B	94	11 J	U	170 J	8 J	U	U
benzene	16	1.6	2.5	3.8	0.39 J	U	0.38 J	2.9 J	0.34 J	U	5.8 J	1.4 J	U	U
carbon disulfide	31,000	3,100	0.95	1.4	U	U	0.32 J	9	0.25 J	U	U	U	U	U
carbon tetrachloride	20	2	0.45	U	U	U	U	U	U	U	U	U	380	U
chlorobenzene	2,200	220	U	0.84	U	U	U	U	0.10 J	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	9.1	U	U	U	0.22 J	U	0.16 J	U	U	U	U	U
chloromethane	3,900	390	U	U	U	U	0.43 J	1.3 J	0.79 J	U	U	1.3 J	U	U
cis-1,2-dichloroethene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	U	U	U
cyclohexane	260,000	26,000	6.2	11	4.8	U	0.83	12	0.94	U	12 J	0.44 J	U	U
ethyl acetate	3,100	310	U	U	U	U	U	U	NA	U	U	U	U	U
ethylbenzene	49	4.9	1.5	3.6	U	U	0.45 J	4 J	0.26 J	U	2.5 J	U	U	U
freon 11 (trichlorofluoromethane)	31,000	3,100	630	120	9.5	21	15	5.4 J	40	15 J	370	8.5	13 J	32 D
freon 113 (freon TF)	1,300,000	130,000	0.86 J	0.78 J	U	U	0.51 J	U	0.45 J	U	U	U	U	U
freon 12 (dichlorodifluoromethane)	4,400	440	U	2.6	2.4	3.5 J	2.4 J	3.5 J	2.1 J	U	24 J	3 J	U	U
freon 22	2,200,000	220,000	NA	NA	NA	880	26	11 J	11	U	4000	3.1 J	U	9.1 J
heptane	NA	NA	U	3.5	U	U	0.72 J	17	0.23 J	U	U	U	U	U
hexane	31,000	3,100	U	7.5	U	U	1.6	20	0.37 J	U	U	U	U	U
isopropyl alcohol	NA	NA	U	U	U	25 J	4.2 J	65	7.4 J	U	110 J	3 J	8.9 J	U
m,p-xylene (sum of isomers)	4,400	440	4.5	12	1.2 J	U	1.2 J	15	0.66 J	U	5.6 J	U	U	U
methyl butyl ketone	NA	NA	U	U	U	U	0.81 J	U	U	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	U	U	U	7.6 J	3.8 B	13	U	U	U	U	U	U
methyl isobutyl ketone	130,000	13,000	U	U	U	U	0.37 J	1.1 J	0.37 J	U	U	U	U	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	U	U	U	U	2.1	2.3 J	0.51 J	U	U	U	U	U
Naphthalene	3.6	0.36	U	U	U	U	0.68 J	U	U	U	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	U	2.7	3.2 J	0.96 J	U	U	2.1 J	U	U
n-Propylbenzene	44,000	4,400	NA	NA	NA	U	U	U	U	U	U	U	U	U
o-xylene	4,400	440	2.2	3.2	U	U	0.38 J	3.7 J	0.26 J	U	U	U	U	U
styrene	44,000	4,400	U	1.4	U	U	0.31 J	U	0.23 J	U	5.0 J	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.3 J	U	0.50 J	U	U	U	U	U
tetrachloroethylene (pce)	470	47	U	U	U	U	U	U	0.24 J	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	12 J	1.3 J	U	U	U	U	U	U	U
toluene	220,000	22,000	2.3	16	2.2	1.3 J	4.0	12.0	1.1	U	8.6 J	0.68 J	U	U
trichloroethylene (tce)	30	3	300	11	3.0	U	1.0 J	1.3 J	0.33 J	U	9.2 J	U	U	U
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
*EPA Commercial Regional Screening Levels

Table 3-2
Building 774/776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location			774-IA											
Sample ID	Sub-slab Vapor Screening Level* ($\mu g/m^3$)	Indoor Air Screening Level* ($\mu g/m^3$)	774IA1AD	774IA1AE	774IA1AF	774IA1AG	774IA1AH	774IA1IA	774IA1JA	774IA1KA	774IA1LA	774IA1MA	774IA1NA	774IA1PA
Sample Type			Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Sample Date			5-May-2011	6-Sep-2011	21-Oct-2011	25-Jan-2012	6-Aug-12	21-Feb-13	8-Aug-13	30-Jan-14	17-Jul-14	22-Jan-15	31-Aug-15	3-Feb-16
Sample Depth (ft bgs / ags)			5	5	5	5	5	5	5	5	5	5	5	5
Sample Collection Duration (hr)			12	12	12	12	12	12	12	12	12	12	12	12
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	77	7.7	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	88	9	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	2.7	1.6	0.65 J	U	U	U	0.28 J	0.32 J	0.20 J	U	0.13 J	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	0.27 J	U	U	U	U	U	U
1,4-dichlorobenzene	11	1.1	U	U	U	U	U	0.46 J	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	1.6 J	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	U	U	0.55 J	0.24 J	U	U	U	U	U
4-ethyltoluene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
acetone	1,400,000	140,000	52	34	19	28 J	32 B	44	18	47	18 J	11 J	12	17
benzene	16	1.6	1.3	U	U	U	U	0.69	0.31 J	0.80	0.24 J	0.68	0.32 J	0.49 J
carbon disulfide	31,000	3,100	0.66	U	U	U	U	U	U	U	U	U	U	U
carbon tetrachloride	20	2	0.51	0.90 J	U	U	0.45 J	0.46 J	0.44 J	0.53 J	0.49 J	0.45 J	0.43 J	0.39 J
chlorobenzene	2,200	220	0.7	U	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	0.2 J	U	U	U	U	U	U
chloroform	5.3	0.53	0.55 J	U	U	U	0.28 J	0.32 J	0.18 J	0.57 J	U	U	0.18 J	U
chloromethane	3,900	390	U	1.2	U	1.7 J	1.2	2.7	1.0 J	1.7	1.2 J	1.1	1	1.4
cis-1,2-dichloroethene	NA	NA	U	U	U	U	U	U	U	0.21 J	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	U	U	U
cyclohexane	260,000	26,000	1.3	U	U	U	U	0.57 J	0.14 J	U	U	U	U	U
ethyl acetate	3,100	310	U	U	U	U	U	U	NA	U	U	U	U	U
ethylbenzene	49	4.9	0.84	0.57 J	U	U	U	0.19 J	0.24 J	0.26 J	0.23 J	0.15 J	0.19 J	0.15 J
freon 11 (trichlorofluoromethane)	31,000	3,100	33	77	4.2	8.9	5.0	3.2	40	16	18	2.2	2.5	38
freon 113 (freon TF)	1,300,000	130,000	U	0.86 J	U	U	0.56 J	0.72 J	0.55 J	0.65 J	U	0.67 J	0.49 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	U	2.8	2.4	U	2.4 J	3	2.2 J	3.0	2.9 J	2.6	2.4 J	2.2 J
freon 22	2,200,000	220,000	NA	NA	NA	350	40	10 J	11	13	330	2	U	6.8
heptane	NA	NA	1.7	U	U	U	U	0.66 J	0.21 J	0.51 J	U	U	U	U
hexane	31,000	3,100	33	U	U	U	U	1.9	0.42 J	0.74	0.34 J	U	0.28 J	0.56 J
isopropyl alcohol	NA	NA	11	32	9.9	29 J	8.3 J	26	14	26	11 J	1.6 J	U	3 J
m,p-xylene (sum of isomers)	4,400	440	2.4	1.2 J	0.57 J	U	U	0.44 J	0.65 J	0.61 J	0.45 J	U	0.5 J	U
methyl butyl ketone	NA	NA	U	U	U	U	0.62 J	U	0.61 J	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	U	2.8	U	2.5 J	2.2 B	15	2.6	1.6	3.5 J	2.1	0.93 J	1.9
methyl isobutyl ketone	130,000	13,000	U	U	U	U	0.37 J	1 J	0.35 J	0.30 J	U	U	U	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	0.93 J	U	U	U	U	U	U
methylene chloride	12,000	1,200	U	1.1	U	U	0.45 J	1 J	0.59 J	0.76 J	U	0.88 J	0.84 J	2.7
Naphthalene	3.6	0.36	U	U	U	U	U	U	U	U	U	U	0.48 J	U
n-Butane	NA	NA	NA	NA	NA	U	0.32 J	2.5	1.0 J	18	U	2.1	1.1 J	1.4
n-Propylbenzene	44,000	4,400	NA	NA	NA	U	U	U	U	U	U	U	U	U
o-xylene	4,400	440	0.71	0.49 J	U	U	U	0.18 J	0.27 J	0.23 J	U	U	0.18 J	U
styrene	44,000	4,400	0.78	0.56 J	U	U	U	0.18 J	0.24 J	0.16 J	0.43 J	U	0.13 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	1.7 J	0.69 J	U	U	U	U	U
tetrachloroethylene (pce)	470	47	U	U	U	U	U	U	U	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
toluene	220,000	22,000	5.1	2.5	1.3	0.76 J	0.47 J	0.71 J	1	1.2	0.65 J	0.58 J	0.85	1.2
trichloroethylene (tce)	30	3	4.4	2.3	0.87	1.5 J	0.35 J	0.22 J	U	0.34 J	U	U	U	U
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
*EPA Commercial Regional Screening Levels

Table 3-2
Building 774/776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776VMP-1											
Sample ID			**776VMP0101AA**	**776VMP0101AB**	**776VMP0101AC**	**776VMP0101AD**	**776VMP0101AG**	**776VMP0101HA**	**776VMP0101IA**	**776VMP0101JA**	**776VMP0101KA**	**776VMP0101MA**	**776VMP0101NA**	**776VMP0101PA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**9-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**	**22-Jan-2015**	**31-Aug-2015**	**3-Feb-2016**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	4.5	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	9.0	3.5	U	U	0.46 J	0.66 J	0.27 J	U	U	1.3	2.3	U
1,2-dichloroethane	4.7	0.47	U	0.45 J	U	U	0.32 J	U	U	U	U	U	0.22 J	U
1,3,5-trimethylbenzene	NA	NA	3.8	1.6	U	U	U	U	U	U	U	0.4 J	0.66 J	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	1 J	U
1,4-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	0.38 J	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	0.99 J	12 J	U
2,2,4-trimethylpentane	NA	NA	U	U	0.47 J	U	U	6.5	0.18 J	U	U	U	U	U
4-ethyltoluene	NA	NA	7.2	0.9	U	U	U	U	U	U	U	0.55 J	0.79 J	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.33 J	U	U	U	U	1.7	0.34 J	U
acetone	1,400,000	140,000	25	39	39	23	57	37	26	11 J	24	21	38	21 J
benzene	16	1.6	1.0	0.55	1.3	0.52 J	0.43 J	0.87	0.30 J	0.68	0.26 J	0.82	0.46 J	0.87 J
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	1.2	0.57	0.44 J	U	9.5	U	0.22 J	U	2.3 J	4.8	2.2	U
carbon tetrachloride	20	2	0.77	0.77 J	U	0.53 J	0.83 J	0.51 J	1.1 J	0.52 J	0.47 J	0.52 J♦	0.6 J	U
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	0.27 J	U
chloroform	5.3	0.53	11	0.79	U	0.27 J	U	U	0.66 J	0.17 J	0.25 J	U	0.54 J	U
chloromethane	3,900	390	U	1.1	U	0.67 J	1.3	1.4	1.2	1.1	0.85 J	0.76 J	0.98 J	U
cis-1,2-dichloroethene	NA	NA	U	9.70	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	0.17 J	0.67 J	U
cyclohexane	260,000	26,000	6.8	1.6	3.0	1.2	2.9	6.6	1.1	0.9	1.1 J	0.47 J	0.34 J	0.61 J
ethyl acetate	3,100	310	U	U	U	U	U	U	NA	U	U	U	U	U
ethylbenzene	49	4.9	1.6	0.79	1.6	U	0.92	0.76 J	0.40 J	0.30 J	U	1.40	7.6	U
freon 11 (trichlorofluoromethane)	31,000	3,100	1.7	2.5	1.3	1.4	1.3	1.5	1.2	1.4	1.2 J	1.3 ♦	1.4	0.99 J
freon 113 (freon TF)	1,300,000	130,000	8.6	0.86 J	U	0.70 J	0.65 J	0.73 J	0.54 J	0.69 J	0.63 J	0.43 J	0.83 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	6.6	2.9	2.2	2.9	2.5	2.9	U	3.0	2.7 J	2.7	2.6	2 J
freon 22	2,200,000	220,000	NA	NA	NA	12	13	52 J	3	17	130	4.9	4.2	200
heptane	NA	NA	U	U	1.0	U	0.38 J	8.3	0.20 J	U	U	0.72 J	U	U
hexane	31,000	3,100	U	U	1.9	0.38 J	U	9.8	0.29 J	0.35 J	0.33 J	0.72	1.2	U
isopropyl alcohol	NA	NA	U	21	21	49	46	46	19	24	15 J	18 ♦	40	38 J
m,p-xylene (sum of isomers)	4,400	440	5.4	1.9	4.0	0.23 J	1.8 J	2.4	0.87 J	0.60 J	U	4.9	7.8	U
methyl butyl ketone	NA	NA	U	U	U	U	1.4 J	U	0.63 J	U	U	U	0.7 J	U
methyl ethyl ketone	220,000	22,000	2.9	2.7	1.9	5.9	4.3	3.9	2.8	0.86 J	4	U	4.4	2.6 J
methyl isobutyl ketone	130,000	13,000	2.2	U	U	U	3.1	U	1.1 J	0.22 J	0.28 J	0.91 J	0.92 J	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	U	13	0.46 J	0.49 J	0.52 J	1 J	0.47 J	0.67 J	U	0.71 J	0.43 J	U
naphthalene	3.6	0.36	U	U	U	U	3.2 J	U	0.61 J	U	U	U	0.75 J	U
n-Butane	NA	NA	NA	NA	NA	2.4	2.8	2.4	1.1 J	3.3	U	21	5.1	1.1 J
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	0.64 J	U
o-xylene	4,400	440	2.5	0.97	1.1	U	0.65 J	0.78 J	0.31 J	0.23 J	U	1.5	3.1	U
styrene	44,000	4,400	1.1	1.1	0.56 J	U	1.0	0.2 J	0.31 J	0.20 J	U	0.3 J♦	0.88	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	1.3 J	2.0 J	1 J	0.89 J	U	U	0.95 J	2.7 J	U
tetrachloroethylene (pce)	470	47	U	2.7	U	U	U	U	U	U	U	U	U	U
tetrahydrofuran	NA	NA	4.8	1.1	U	9.9 J	0.72 J	U	U	U	U	3 J	0.82 J	U
toluene	220,000	22,000	5.6	4.1	6.1	0.40 J	1.5	3.1	1.1	0.85	0.38 J	5.2	5	U
trichloroethylene (tce)	30	3	21	38	U	0.36 J	U	U	U	0.36 J	0.71 J	U	0.81 J	U
vinyl chloride	28	2.8	U	0.81	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
*EPA Commercial Regional Screening Levels

Table 3-2
Building 774/776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776VMP-2											
Sample ID			**776VMP0201AA**	**776VMP0201AB**	**776VMP0201AC**	**776VMP0201AD**	**776VMP0201AG**	**776VMP0201HA**	**776VMP0201IA**	**776VMP0201JA**	**776VMP0201KA**	**776VMP0201MA**	**776VMP0201NA**	**776VMP0201PA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**9-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**	**22-Jan-2015**	**31-Aug-2015**	**3-Feb-2016**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	8.7	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	9.1	3.3	0.65 J	U	0.45 J	0.73 J	2	5.6	2.7	0.3 J	2.6	U
1,2-dichloroethane	4.7	0.47	U	0.49 J	U	U	U	U	U	0.27 J	U	0.22 J	U	U
1,3,5-trimethylbenzene	NA	NA	2.8	1.2	U	U	U	U	0.55 J	1.6	0.74 J	U	0.73 J	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	44	7.8	U	1.2	U
1,4-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	0.24 J	0.56 J	6.5 J	2.1	0.92 ♦	0.80 J	U	0.21 J	U
4-ethyltoluene	NA	NA	5.1	1.0	U	U	U	0.27 J	0.58 JM	1.7	0.81 J	0.15 J	0.82 J	U
4-isopropyltoluene	NA	NA	NA	NA	NA	0.49 J	0.41 J	U	U	1.8 ♦	U	U	0.34 J	U
acetone	1,400,000	140,000	17	39	45	20	43	36	38	58	38 ♦	8.8 J	35	U
benzene	16	1.6	1.1	0.45 J	1.5	0.65	0.43 J	0.92	0.7	1.7 ♦	0.60 J♦	0.75	0.41 JM	U
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	0.98	0.79	0.38 J	0.64 J	0.41 J	0.33 J	3.4	0.44 J♦	U	U	0.7 J♦	U
carbon tetrachloride	20	2	0.77	0.77 J	0.70 J	0.53 J	0.70 J	0.56 J	0.42 J	0.62 J♦	U	0.59 J	0.69 J♦	U
chlorobenzene	2,200	220	U	U	U	0.13 J	U	U	U	0.31 J♦	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	8.3	U	U	0.30 J	0.22 J	U	0.24 J♦	0.22 J	0.33 J♦	U	0.62 J	U
chloromethane	3,900	390	U	1.2	U	0.85 J	1.4	1.7	1.4♦	1.8	1.3 J	1.2	0.87 J	U
cis-1,2-dichloroethene	NA	NA	U	U	U	U	U	U	U	0.36 J	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	0.34 J♦	U	0.82 J	U
cyclohexane	260,000	26,000	4.5	7.3	8.5	1.4	2.1	5.5	0.79	6.9 J♦	1.3 J♦	0.72	0.57 J♦	U
ethyl acetate	3,100	310	U	1.9	U	U	U	U	NA	U	U	U	U	U
ethylbenzene	49	4.9	0.66	0.88	1.4	0.75 J	1.1	0.98	1.4	4.1 J♦	2.1	0.4 J	10	U
freon 11 (trichlorofluoromethane)	31,000	3,100	2.5	1.8	1.6	1.6	1.4	1.5	1.2	1.6 ♦	1.5 J	1.2	1.5	U
freon 113 (freon TF)	1,300,000	130,000	6.8	1.0 J	U	1.2 J	0.67 J	0.68 J	0.53 J	0.73 J♦	0.74 J	0.54 J	0.98 J♦	U
freon 12 (dichlorodifluoromethane)	4,400	440	11.0	3.0	2.6	3.1	2.5	2.5 ♦	0.47 J	3.3 ♦	3.0 J	2.6	2.8	U
freon 22	2,200,000	220,000	NA	NA	NA	16	14	68 J	3.3	99 J♦	170	10	4.6	900
heptane	NA	NA	0.67	1.3	U	0.38 J	0.43 J	7.1 J	0.72 J	2.3 ♦	0.69 J♦	U	0.35 J	U
hexane	31,000	3,100	U	U	U	0.53 J	0.43 J	8.5 J	0.68 J	2.3 ♦	0.79 J♦	0.32 J	1.2	U
isopropyl alcohol	NA	NA	U	68	31	41	40	44	30	95	48	16	42	U
m,p-xylene (sum of isomers)	4,400	440	2.1	2.4	3.4	1.9 J	2.4	3.2	4.7	11	5.8	1.1 J	9.6	U
methyl butyl ketone	NA	NA	U	U	U	U	1.0 J	U	1.0 J	0.94 J	U	U	U	U
methyl ethyl ketone	220,000	22,000	1.7	U	3.9	1.2 J	4.3 B	3.6	5.9	9.4	7.0 ♦	U	4 ♦	U
methyl isobutyl ketone	130,000	13,000	U	U	U	0.44 J	1.9 J	0.39 J	0.89 J	1.0 J	1.2 J♦	U	0.99 J♦	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	0.74 J	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	0.33 J	U	U	U
methylene chloride	12,000	1,200	U	0.53	U	0.55 J	0.92 J	0.98 J	0.83 J♦	0.89 J	U	U	0.56 J♦	U
naphthalene	3.6	0.36	U	U	U	U	1.9 J	0.5 J	0.61 J	U	U	0.68 J	0.85 J	5.8 J♦
n-Butane	NA	NA	NA	NA	NA	3.2	3.3	2.7 ♦	1.4	5.8 J♦	1.6 J	2.5	5.2	U
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	0.65 J	U
o-xylene	4,400	440	1.1	0.93	0.97	0.79 J	0.82 J	1	1.8	4.5 J♦	2.1	0.37 J	3.6	U
styrene	44,000	4,400	0.78	1.0	0.65	0.44 J	1.8	U	0.44 J	4.8	1.6 J	0.67 J	0.91	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.3 J	1.7 J	1.7 J	17	5.0 J♦	U	2.4 J	U
tetrachloroethylene (pce)	470	47	1.4	U	7.4	U	U	U	0.17 J♦	0.52 J♦	U	U	U	U
tetrahydrofuran	NA	NA	1.6	4.3	U	U	1.1 J	3.3 J♦	U	1.4 J	U	U	0.58 J	U
toluene	220,000	22,000	3.2	4.5	6.9	1.4	1.7	3.6 J	4.5	19 J♦	4.8	0.85	4.9	U
trichloroethylene (tce)	30	3	360	3.8	3.7	3.0	1.4	0.33 J	0.20 J♦	0.81 J	1.1 J	0.42 J	0.76 J	U
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
*EPA Commercial Regional Screening Levels

Table 3-2
Building 774/776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776VMP-3											
Sample ID			**776VMP0301AA**	**776VMP0301AB**	**776VMP0301AC**	**776VMP0301AD**	**776VMP0301AG**	**776VMP0301HA**	**776VMP0301IA**	**776VMP0301JA**	**776VMP0301KA**	**776VMP0301MA**	**776VMP0301NA**	**776VMP0301PA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**9-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**	**22-Jan-2015**	**31-Aug-2015**	**3-Feb-2016**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	18	U	U	U	U	U	U	U	U	U	0.18 J	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	11	2.1	0.50 J	0.61 J	0.52 J	U	0.67 J	U	0.36 J	0.25 J	0.23 J	U
1,2-dichloroethane	4.7	0.47	U	0.62	U	0.27 J	U	0.29 J	U	U	0.27 J	U	U	U
1,3,5-trimethylbenzene	NA	NA	2.7	0.70 J	U	U	U	U	U	U	0.11 J	U	U	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	0.79 J	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	U	U	5.7	0.65 J	0.21 J	0.16 J	U	U	U
4-ethyltoluene	NA	NA	5.2	0.65 J	U	U	U	U	U	U	0.12 J	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	0.29 J	0.40 J	U	U	U	0.12 J	U	0.22 J	U
acetone	1,400,000	140,000	20	30	58	34	50	37	19	37	26	21	27	18 JD
benzene	16	1.6	2	0.39 J	1.0	0.40 J	0.32 J	0.99	0.37 J	0.81	0.31 J	0.54 J	0.28 J	0.68 J
bromomethane	NA	NA	U	U	U	U	U	U	U	U	0.11 J	U	U	U
carbon disulfide	31,000	3,100	0.95	0.95	0.63	6.0	0.44 J	U	0.21 J	U	2.0	U	0.93 J	U
carbon tetrachloride	20	2	0.38	0.83 J	0.70 J	0.51 J	0.60 J	0.53 J	0.41 J	0.49 J	U	0.49 J	0.61 J	U
chlorobenzene	2,200	220	U	U	U	U	0.22 J	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	0.093 J	U	U	U
chloroform	5.3	0.53	16	U	0.74	0.68 J	0.87 J	1.2	0.18 J	0.29 J	0.44 J	U	0.47 JM	U
chloromethane	3,900	390	U	0.97	U	U	1.3	U	1.2	0.73 J	1.3	U	0.67 J	U
cis-1,2-dichloroethene	NA	NA	U	U	U	U	U	U	U	0.30 J	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	U	U	U
cyclohexane	260,000	26,000	5.4	3.5	4.8	1.2	2.8	5	0.71	3.4	1.2	0.8	0.81 M	0.91 J
ethyl acetate	3,100	310	U	U	U	U	U	U	NA	U	U	U	U	U
ethylbenzene	49	4.9	1.1	0.66	1.2	0.64 J	0.72 J	0.98	0.56 J	0.47 J	0.40 J	0.3 J	0.29 J	U
freon 11 (trichlorofluoromethane)	31,000	3,100	4.6	1.7	1.5	1.4	1.4	1.5	1.1	1.3	1.3	1.3	1.4	1.1 J
freon 113 (freon TF)	1,300,000	130,000	1.6	0.93 J	U	0.60 J	0.61 J	0.63 J	0.52 J	0.57 J	0.57 J	0.53 J	0.55 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	21	2.9	2.6	2.9	2.5	2.7	2.3 J	2.9	2.8	2.7	2.6	2.1 J
freon 22	2,200,000	220,000	NA	NA	NA	6.3	15	50 J	9.9	15	50	9.2	6	140
heptane	NA	NA	U	U	U	0.36 J	0.45 J	5.4	0.36 J	0.74 J	0.34 J	U	U	U
hexane	31,000	3,100	U	U	U	0.72	0.91	7.2	0.40 J	0.89	0.24 J	U	0.37 J	U
isopropyl alcohol	NA	NA	U	12	21	28	28	34	24	63	19	20	29	28 J
m,p-xylene (sum of isomers)	4,400	440	3.8	1.7	2.7	1.7 J	1.7 J	2.6	1.6 J	0.65 J	0.99 J	0.72 J	0.71 J	U
methyl butyl ketone	NA	NA	U	U	U	U	0.78 J	U	0.25 J	U	U	0.86 J	U	U
methyl ethyl ketone	220,000	22,000	2.8	2.0	2.2	2.6	7.0 B	4.6	1.5	6.6	4.0	5.9	3.6	1.9 J
methyl isobutyl ketone	130,000	13,000	U	U	U	0.83 J	3.1	U	0.43 J	0.44 J	1.1 J	U	1.1 J	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	U	0.95	U	0.50 J	0.99 J	0.79 J	0.43 J	0.66 J	U	U	0.57 J	U
naphthalene	3.6	0.36	U	U	U	0.51 J	1.6 J	U	0.62 J	U	1.2 J	U	0.31 J	U
n-Butane	NA	NA	NA	NA	NA	1.7	16	1.8	1.2 J	3.3	0.69 J	1.6	1.2 J	0.75 J
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
o-xylene	4,400	440	1.6	0.66	0.71	0.70 J	0.58 J	U	0.62 J	0.16 J	0.34 J	0.35 J	0.26 J	U
styrene	44,000	4,400	0.78	0.69	0.56 J	0.26 J	0.79 J	0.14 J	0.31 J	U	0.43 J	0.31 J	0.35 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.4 J	1 J	0.60 J	9.0 J	U	U	0.69 J	U
tetrachloroethylene (pce)	470	47	0.83 J	U	U	U	U	U	0.19 J	U	U	U	U	U
tetrahydrofuran	NA	NA	11	1.8	U	0.81 J	2.5 J	U	U	U	U	U	U	U
toluene	220,000	22,000	4.4	3.1	2.5	1.2	1.8	3.8	1.7	5.2	0.88	0.82	1	1.6 J
trichloroethylene (tce)	30	3	830	10	7.3	13	12	2.4	U	2.6	3.5	2.1	5.1	2.9 J
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
*EPA Commercial Regional Screening Levels

Table 3-2
Building 774/776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776-IA											
Sample ID			**776IA1CA**	**776IA1DA**	**776IA1EA**	**776IA1FA**	**776IA1GA**	**776IA1HA**	**776IA1IA**	**776IA1JA**	**776IA1LA**	**776IA1MA**	**776IA1NA**	**776IA1PA**
Sample Type			**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**8-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**	**22-Jan-2015**	**31-Aug-2015**	**3-Feb-2016**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	1.2	1.7	0.85	U	0.55 J	U	U	U	0.32 J	U	0.29 J	U
1,2-dichloroethane	4.7	0.47	U	0.53 J	U	U	U	U	U	U	0.27 J	U	U	U
1,3,5-trimethylbenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	0.097 J	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	34
2,2,4-trimethylpentane	NA	NA	U	U	U	0.30 J	U	U	0.20 J	U	U	U	0.26 J	0.22 J
4-ethyltoluene	NA	NA	U	U	U	U	U	U	U	U	0.090 J	U	U	U
4-isopropyltoluene	NA	NA	NA	U	U	U	0.33 J	U	U	U	U	U	0.13 J	2.1
acetone	1,400,000	140,000	54	47	30	18	68	28	22	U	20	22	32	25
benzene	16	1.6	0.49	0.36 J	1.4	0.67 J	0.40 J	1.4	0.29 J	2.4	0.18 J	0.67	0.37 J	0.55 J
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	0.41 J	0.82	U	U	0.64 J	U	0.21 J	0.26 J	0.82 J	U	0.69 J	U
carbon tetrachloride	20	2	0.51	0.77 J	U	0.57 J	0.46 J	0.44 J	0.41 J	0.55 J	0.51 J	0.57 J	0.51 J	0.27 J
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	0.33 J	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	U	U	0.55 J	0.32 J	0.25 J	U	U	U	0.29 J	U	0.22 J	U
chloromethane	3,900	390	1.8	1.5	U	1.4 J	1.5	1.8	1.1	5.3	1.3	1.3	1.1	1.6
cis-1,2-dichloroethene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	U	U	U
cyclohexane	260,000	26,000	U	U	U	U	1.2	0.23 J	U	U	U	U	U	0.31 J
ethyl acetate	3,100	310	5.8	3.3	U	U	U	U	NA	U	U	U	U	U
ethylbenzene	49	4.9	0.71	0.93	1.3	0.47 J	1.1	0.29 J	0.37 J	0.50 J	0.45 J	0.25 J	0.37 J	0.25 J
freon 11 (trichlorofluoromethane)	31,000	3,100	1.4	1.7	1.3	1.4 J	1.4	1.4	1.3	1.6	1.5	1.3	1.3	1 J
freon 113 (freon TF)	1,300,000	130,000	U	0.93 J	U	U	0.57 J	0.63 J	0.51 J	0.75 J	U	0.46 J	0.42 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	3.6	3.1	2.2	3.2 J	2.4 J	2.2 J	2.3 J	3.5	3.1	2.8	2.4 J	2 J
freon 22	2,200,000	220,000	NA	NA	NA	15	14	69	2.4	17	30	10	4.4	15
heptane	NA	NA	3.2	1.3	U	0.43 J	1.5	0.14 J	0.19 J	1.8	U	U	U	0.36 J
hexane	31,000	3,100	2.3	U	U	U	2.0	0.54 J	0.25 J	2.8	U	U	0.33 J	0.51 J
isopropyl alcohol	NA	NA	50	50	35	100	57	43	23	1.9 J	15	18	28	61
m,p-xylene (sum of isomers)	4,400	440	1.2 J	2.1	2.9	1.0 J	2.5	0.23 J	1.2 J	1.6 J	1.1 J	0.54 J	0.89 J	0.54 J
methyl butyl ketone	NA	NA	U	U	U	U	1.2 J	U	0.53 J	U	U	U	U	0.36 J
methyl ethyl ketone	220,000	22,000	3.3	4.1	U	0.84 J	6.5 B	2.1	2.6	U	2.0	2.1	3.9	2
methyl isobutyl ketone	130,000	13,000	U	U	U	0.83 J	2.7	1.1 J	1.5 J	U	1.5 J	U	U	0.68 J
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	U	1.3	U	U	1.7 J	1.2 J	1.8	1.0 J	0.64 J	U	0.95 J	2.1
naphthalene	3.6	0.36	U	U	U	0.71 J	2.2 J	U	U	U	U	U	1.1 J	0.38 J
n-Butane	NA	NA	NA	NA	NA	2.4	8.9	2.2	3.5	8.5	0.77 J	2.5	1.5	1.5
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
o-xylene	4,400	440	0.44 J	0.75	0.88	0.46 J	0.81 J	U	0.66 J	0.47 J	0.36 J	U	0.32 J	0.22 J
styrene	44,000	4,400	1.1	1.0	0.82	0.33 J	1.9	U	0.16 J	U	0.35 J	0.23 J	0.33 J	0.29 J
tert-Butyl alcohol	NA	NA	NA	NA	NA	0.56 J	5.4 J	U	0.69 J	U	U	U	U	U
tetrachloroethylene (pce)	470	47	U	U	U	U	U	0.38 J	U	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	U	0.90 J	U	U	U	U	U	U	U
toluene	220,000	22,000	4.4	3.2	3.9	1.3	5.3	4.3	0.97	8.7	1.1	0.8	1.4	1.7
trichloroethylene (tce)	30	3	3.6	1.9	0.98	0.41 J	U	U	U	0.26 J	0.95 J	0.35 J	0.52 J	0.28 J
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
*EPA Commercial Regional Screening Levels

Table 3-2
Building 774/776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774/776-OA											
Sample ID			**776OA1DA**	**776OA1EA**	**774776OA1FA**	**774776OA1GA**	**774776OA1HA**	**774776OA1IA**	**774776OA1JA**	**774776OA1KA**	**774776OA1LA**	**774776OA1MA**	**774776OA1NA**	**774776OA1PA**
Sample Type			**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**8-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**	**22-Jan-2015**	**1-Sep-2015**	**3-Feb-2016**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	5.5	U	U	U
1,2,4-trimethylbenzene	310	31	U	1.7	0.60 J	U	1.8	U	0.48 J	U	0.11 J	U	0.64 J	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	0.49 J	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	U	U	U	U	0.51 J	U	U	U	U	U	0.15 J	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	U	0.69 J	U
2,2,4-trimethylpentane	NA	NA	U	U	U	U	0.94 J	U	0.80 J	4.2	U	U	U	U
4-ethyltoluene	NA	NA	U	U	U	U	0.53 J	U	U	U	U	U	0.17 J	U
4-isopropyltoluene	NA	NA	U	U	U	U	0.8 J	U	U	U	U	U	U	U
acetone	1,400,000	140,000	18	53	6.8	1.9 J	97	15	13	7.0 J	9.1 J	U	13	U
benzene	16	1.6	U	0.39 J	U	0.63	0.92 J	0.61 J	0.47 J	0.91	0.16 J	0.63	0.33 JM	0.43 J
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	0.6	0.35 J	U	U	2.3 J	U	2	U	0.50 J	U	U	U
carbon tetrachloride	20	2	0.51	0.90 J	U	0.51 J	0.5 J	0.47 J	0.42 J	0.55 J	0.48 J	0.45 J	0.43 J	0.46 J
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	3,900	390	U	1.1	0.76	1.2	1.4 J	1.5	1.1	1.6	1.0	1.1	1.7	1.2
cis-1,2-dichloroethene	NA	NA	U	0.48 J	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	U	U	U
cyclohexane	260,000	26,000	U	U	U	U	5.1	U	1.1	U	U	U	U	U
ethyl acetate	3,100	310	U	U	U	U	U	U	NA	U	U	U	U	U
ethylbenzene	49	4.9	U	U	1.1	U	2.1	U	0.37 J	0.24 J	U	U	0.21 J	0.15 J
freon 11 (trichlorofluoromethane)	31,000	3,100	1.3	1.7	1.3	1.4	1.4 J	1.4	1.1	1.5	1.3	1.4	1.3	1.7
freon 113 (freon TF)	1,300,000	130,000	U	0.86 J	U	0.56 J	0.61 J	0.64 J	0.57 J	0.68 J	U	0.53 J	0.43 J	1.2 J
freon 12 (dichlorodifluoromethane)	4,400	440	U	2.9	2.5	2.8	3.4 J	2.7	2.2 J	3.2	2.8	2.7	2.3 J	2.2 J
freon 22	2,200,000	220,000	NA	NA	NA	U	2.1 J	1.1 J	1.2 J	1.2 J	0.94 J	0.86 J	0.96 J	0.95 J
heptane	NA	NA	1.2	U	U	U	3.6	U	0.37 J	1.2	U	U	U	U
hexane	31,000	3,100	0.9	U	U	0.42 J	8.2	0.48 J	0.73	0.96	U	U	U	U
isopropyl alcohol	NA	NA	U	U	1.2	U	14 J	U	5.6 J	U	0.98 J	U	U	U
m,p-xylene (sum of isomers)	4,400	440	U	1.1 J	2.7	0.33 J	6.2	U	0.98 J	0.68 J	0.20 J	U	0.72 J	0.49 J
methyl butyl ketone	NA	NA	U	U	U	U	0.56 J	1.5	0.33 J	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	U	8.7 J	U	0.42 J	6.7 B	U	15	1.2 J	2.2	U	2	U
methyl isobutyl ketone	130,000	13,000	U	U	U	U	U	U	0.25 J	U	0.11 J	U	0.95 J	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	U	0.92	0.56	0.50 J	2.0 J	0.98 J	1.3 J	0.92 J	U	0.82 J	0.75 J	1.2 J
naphthalene	3.6	0.36	U	U	U	U	3.1 J	U	U	U	U	U	0.37 J	U
n-Butane	NA	NA	NA	NA	NA	1.8	24	1.4	1.3	4.7	U	1.4	0.88 J	1.6
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	0.14 J	U
o-xylene	4,400	440	U	0.44 J	0.97	0.12 J	2.2	U	0.43 J	0.21 J	U	U	0.28 J	U
styrene	44,000	4,400	U	U	U	U	1.2 J	U	0.25 J	U	U	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.2 J	U	0.73 J	U	U	U	U	U
tetrachloroethylene (pce)	470	47	U	U	U	U	U	U	0.91 J	U	U	U	U	U
tetrahydrofuran	NA	NA	U	1.3	U	U	8.2 J	U	U	U	U	U	U	U
toluene	220,000	22,000	1	5.8	3.5	0.73 J	20	0.39 J	5.6	1.9	0.37 J	0.49 J	0.73 J	1
trichloroethylene (tce)	30	3	0.98	2.6	0.60 J	U	U	U	U	1.2	0.53 J	U	U	U
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
▭ Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
*EPA Commercial Regional Screening Levels

Table 3-3
Buildings 774/776
SSVM System Performance Monitoring Influent Air Results

Sample Location	774776- Influent													
Sample ID	**774776CA01AA**	**774776CA01AB**	**774776CA01AC**	**774776CA01AD**	**774776CA01AE**	**774776CA01AF**	**774776CA01AG**	**774776CA01AH**	**774776CA01IA**	**774776CA01JA**	**774776CA01KA**	**774776CA01LA**	**774776CA01MA**	**774776CA01NA**
Sample Type	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**
Sample Date	**6-Jun-2011**	**23-Aug-2011**	**14-Oct-2011**	**14-Oct-2011**	**25-Oct-2011**	**24-Jan-2012**	**3-Aug-2012**	**15-Feb-2013**	**7-Aug-2013**	**28-Jan-2014**	**16-Jul-2014**	**20-Jan-2015**	**28-Aug-2015**	**1-Feb-2016**
Sample Depth (ft bgs / ags)	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**
Sample Collection Duration (hr)	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**
Volatiles (TO-15) in µg/m^3														
1,1,1-trichloroethane	6.6	4.0	6.9	6.1	6.5	5.0 J	2.9	0.91 J	1.8	U	U	1.8	1.6 M	U
1,2,4-trimethylbenzene	9.5	3.1	U	U	1.7	U	0.69 J	U	0.56 J	U	U	U	1.4	U
1,3,5-trimethylbenzene	4.7	2.2	U	U	0.55 J	U	U	U	U	U	U	U	0.42 J	U
1,3-dichlorobenzene	U	U	U	U	U	U	0.81 J	U	U	U	U	U	U	U
2,2,4-trimethylpentane	U	U	U	U	U	U	U	U	0.23 J	U	U	U	1.1	U
4-ethyltoluene	6.9	1.0	U	U	U	U	U	U	U	U	U	U	0.55 J	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.34 J	U	0.35 J	U	U	U	0.49 J	U
acetone	50	30	300	440	27	16 J	23 B	28	35	19 J	63	7.6 J	36	10 J
benzene	0.45 J	4.1	0.42 J	0.7	0.97	1.8 J	0.30 J	0.25 J	0.33 J	3.9	0.65 J	0.53 J	0.37 J	0.84 J
carbon disulfide	0.73	U	U	U	U	U	0.46 J	0.21 J	U	U	U	0.44 J	1.5 J	U
carbon tetrachloride	U	U	U	U	0.96	U	0.54 J	1.8	0.51 J	U	1.5 J	U	1.5	U
chloroform	15	4.3	3.6	5.0	4.6	3.6 J	4.9	2.2	5.7	0.93 J	4.4 J	1.8	2.4	U
chloromethane	U	U	U	U	U	U	0.71 J	1.5	0.61 J	2.0 J	1.7 J	0.96 J	0.58 J	1 J
cis-1,2-dichloroethene	1.80	U	U	U	U	U	U	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	0.98 J	0.26 J	0.14 J	U
cyclohexane	U	U	U	U	U	U	0.36 J	0.38 J	0.14 J	U	U	U	0.14 J	U
ethylbenzene	0.62 J	0.93	U	U	0.79	U	0.38 J	U	0.47 J	U	0.32 J	U	1.2	U
freon 11 (trichlorofluoromethane)	50	130	83	59	49	40	61	29	35	14	24	28	42	20
freon 113 (freon TF)	U	1.9	1.1 J	1.0 J	U	U	0.82 J	0.5 J	0.65 J	U	U	U	U	U
freon 12 (dichlorodifluoromethane)	3.7	16	6.1	6.1	6.4	11 J	7.1	4.7	6.5	4.4 J	6.9 J	4.5	6.8	3.4 J
freon 22	NA	NA	NA	NA	NA	320	94	33	45	42	510	U	3.3	280
heptane	0.83	12	U	U	0.87	1.9 J	0.37 J	U	0.30 J	2.5 J	U	U	U	U
hexane	U	U	U	U	U	U	0.66 J	0.27 J	0.27 J	U	U	0.17 J	0.3 J	U
isopropyl alcohol	U	U	U	U	U	U	7.9 J	2.1 J	13	U	10 J	2.4 J	11 J	U
m,p-xylene (sum of isomers)	1.3 J	3.3	U	U	2.4	U	0.99 J	U	1.4 J	U	0.50 J	0.13 J	4	2.6 J
methyl ethyl ketone	14	4.4	300	400	15	4.8 J	2.5 B	0.45 J	5	U	4.7 J	U	4	U
methyl isobutyl ketone	U	U	U	U	U	U	0.28 J	U	0.46 J	U	U	U	U	U
methylene chloride	2.2	U	U	U	U	U	0.64 J	1 J	0.41 J	3.8 J	U	0.5 J	U	U
naphthalene	U	U	U	U	U	U	1.9 J	U	U	U	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	2.9 J	1.7	3.4	1.1 J	7.3	U	1.7	1.7	1.7 J
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	0.3 J	U
o-xylene	0.84	1.8	U	U	1.0	U	0.42 J	U	0.53 J	U	U	U	1.4	U
styrene	U	U	U	U	U	U	0.15 J	U	0.14 J	U	U	U	0.15 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	U	1.9 J	U	U	U	0.65 JM	U
tetrachloroethylene (pce)	3.4	2.4	2.3	12	3.5	U	1.5	U	1.1 J	U	1.6 J	0.84 J	0.69 J	U
tetrahydrofuran	120	6.0	600	770	5.2	U	1.4 J	1.8 J	0.24 U	U	U	U	0.91 J	U
toluene	1.8	2.2	0.96	1.4	2.2	0.83 J	1.2	0.17 J	1.1	0.67 J	0.72 J	0.22 J	1.1	2.3 J
trichloroethylene (tce)	510	240	670	1,200	650	300	190	20	120	32	97	100	82	60
vinyl chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
µg/m^3: microgram per cubic meter.
B - Analytes detected in the trip blank.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level* (µg/m³)	Indoor Air Screening Level* (µg/m³)	785VMP-2												
Sample ID			**785VMP0202AD**	**785VMP0202AE**	**785VMP0202AF**	**785VMP0202AG**	**785VMP0202AH**	**785VMP0202IA**	**785VMP0202JA**	**785VMP0202KA**	**785VMP0202LA**	**785VMP0202MA**	**785VMP0202NA**	**785VMP0202PA**	**785VMP0202QA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**18-Mar-2011**	**24-Aug-2011**	**24-Oct-2011**	**31-Jan-2012**	**8-Aug-2012**	**6-Mar-2013**	**9-Aug-2013**	**3-Oct-2013**	**29-Jan-2014**	**18-Jul-2014**	**26-Jan-2015**	**1-Sep-2015**	**2-Feb-2016**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in µg/m³															
1,1,1-trichloroethane	220,000	22,000	U	U	U	0.57 J	U	U	U	0.43 J	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	1.5	1.4	U	U	3.7	1.6	U	U	U	1.4 J	0.72 J	3.9	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	U	U	U	U	1.0	0.46 J	U	U	U	0.38 J	U	1.1	U
1,3-butadiene	4.1	0.41	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	3.0	37	U	U	U	3.1	U	2.2	U
1,4-dichlorobenzene	23,360	2,336	U	1.5	U	U	U	U	U	U	U		U	0.21 J	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	0.36 J	U	6.6 J♦	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	1.2	U	1.5	5.8	0.17 J	U	U	U	U	U	0.2 J
4-ethyltoluene	NA	NA	0.65 J	U	U	U	1.2	0.65 J	U	U	U	0.30 J	U	0.98	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.33 J	U	U	U	U	U	U	0.45 J	U
acetone	1,400,000	140,000	10	17	3.2	0.76 J	12 JB	4.5 J	15	8.7 J	3.2 J	28	7.7 J	14	8.6 J♦
benzene	16	1.6	2.9	0.65	2.2	U	U	U	0.64	0.16 J	0.72	0.68 J	0.37 J	0.25 J	0.5 J
bromodichloromethane	3.3	0.33	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	0.82	0.63	U	U	0.86 J	U	0.70 J	0.41 J	0.43 J	4.7	0.65 J	4.8	0.6 J
carbon tetrachloride	20	2	U	U	0.70 J	0.49 J	0.46 J	0.44 J	0.46 J	U	0.33 J	0.86 J	0.42 J	0.57 J	0.4 J
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	1.5	U	U	U	U	U	0.16 J	0.55 J	0.24 J	26 J	U	0.28 J	U
chloromethane	3,900	390	1.4	1.1	U	3.5	37	0.21 J	8.8	3.7	5.1	12 J	2.2	4.2	0.6 J♦
cis-1,2-dichloroethene	NA	NA	U	U	U	U	U	U	U	0.5 J	0.24 J	2.0	U	0.16 J	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	0.19 J	U	0.61 J	U
cyclohexane	260,000	26,000	1.3	0.94	1.9	U	U	6.8	U	U	U	U	U	U	U
dibromochloromethane	10	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	49	4.9	1.5	U	0.75	U	1.2	1.8	0.49 J	0.14 J	0.27 J	0.76 J	0.42 J	5.8	U
freon 11 (trichlorofluoromethane)	31,000	3,100	1	1.8	1.5	1.4	1.3	1.3	1.2	1.1	1.1 J	2.7	1.2	1.4	1.1
freon 113 (freon TF)	1,300,000	130,000	U	0.78 J	U	0.58 J	0.59 J	0.61 J	0.59 J	0.79 J	0.88 J	2.6 J	0.42 J	0.68 J	U
freon 114 (1,2-dichlorotetrafluoroethane)	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
freon 12 (dichlorodifluoromethane)	4,400	440	2.8	3.1	2.6	2.9	2.4 J	2.3 J	2.5	2.3 J	3.1	4.6 J	2.4 J	2.7	1.8 J
freon 22	2,200,000	220,000	NA	NA	NA	U	U	0.81 J	0.90 J	0.83 J	U	2.0 J	0.75 J	0.95 J	0.8 J
heptane	NA	NA	2.1	U	1.8	U	3.8	3.4	0.22 J	U	U	U	U	U	0.3 J♦
hexane	31,000	3,100	6.9	U	6.1	U	1.3	9.8	0.18 J	0.2 J	U	7.5	0.74	0.23 J	0.3 J
isopropyl alcohol	NA	NA	U	U	U	U	13	470	2.4 J	U	U	29	U	4.2 J	U
m,p-xylene (sum of isomers)	4,400	440	4.7	0.93 J	2.3	0.21 J	4.5	6.8	0.93 J	0.35 J	0.63 J	1.6 J	1.1 J	6.5	0.4 J
methyl butyl ketone	NA	NA	U	U	U	U	0.47 J	U	1.0 J	0.25 J	U	1.2 J♦	U	0.77 J	0.4 J♦
methyl ethyl ketone	220,000	22,000	3	4.1	U	U	3.3 B	6.3	7.1	U	U	10	2.2	3.6	2.1 ♦
methyl isobutyl ketone	130,000	13,000	U	U	U	U	1.0 J	U	1.2 J	1.5	U	1.2 J	U	0.96 J	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	0.38 J	U	U	U
methylene chloride	12,000	1,200	1.4	U	U	U	2.4	U	0.40 J	0.41 J	U	0.45 J♦	U	U	0.7 J♦
naphthalene	3.6	0.36	U	U	U	U	2.2 J	U	U	U	U	U	U	0.54 J	U
n-Butane	NA	NA	NA	NA	NA	0.64 J	6.3	0.52 J	1.3	1 J	1.6	2.9	U	1 J	0.7 J
n-Propylbenzene	NA	NA	NA	NA	NA	U	0.68 J	U	U	U	U	U	U	0.78 J	U
o-xylene	4,400	440	1.3	U	0.71	U	1.6	2.4	0.27 J	0.14 J	0.23 J	0.68 J	0.53 J	2.9	0.2 J♦
styrene	44,000	4,400	U	U	U	U	0.46 J	0.37 J	U	U	U	0.29 J	U	0.52 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.8 J	U	2.7 J	1.6 J	U	8.9 J	U	3.3 J	U
tetrachloroethylene (pce)	470	47	U	U	U	U	0.73 J	0.58 J	0.51 J	U	U	U	U	U	U
tetrahydrofuran	NA	NA	8.2	11	U	4.6 J	87	U	68	46	13 J	95 J	8.2 J	21	U
toluene	220,000	22,000	15	3.3	6.2	0.36 JB	3.8	7.5	2.3	0.47 J	1.1	1.9	1.3 J	2.1	0.6 J
trichloroethylene (tce)	30	3	U	19	8.9	1.0 J	9.1	0.68 J	7.2	37	6.1	400	0.6 J	15	1.1
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of EPA Commercial Regional Screening Levels.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
* EPA Commercial Regional Screening Levels (http://www.epa.gov/reg3hscd/risk/human/rb-concentration_table/Generic_Tables/index.htm)

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level* (µg/m³)	Indoor Air Screening Level* (µg/m³)	785VMP-4													
Sample ID			**785VMP0401AA**	**785VMP0401AB**	**785VMP0401AC**	**785VMP0401AD**	**785VMP0401AG**	**785VMP0401HA**	**785VMP0401IA**	**785VMP0401JA**	**785VMP0401KA**	**785VMP0401LA**	**785VMP0401NA**	**785VMP0401PA**	**785VMP0401QA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**18-Mar-2011**	**24-Aug-2011**	**24-Oct-2011**	**31-Jan-2012**	**8-Aug-2012**	**6-Mar-2013**	**9-Aug-2013**	**3-Oct-2013**	**28-Feb-2014**	**18-Jul-2014**	**26-Jan-2015**	**1-Sep-2015**	**2-Feb-2016**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in µg/m³															
1,1,1-trichloroethane	220,000	22,000	1.7	0.72 J	U	U	0.40 J	U	0.28 J	0.93 J	0.56 J	U	U	U	U
1,2,4-trimethylbenzene	310	31	0.95	6.7	1.8	0.45 J	15	1.4	1.4	1.1 J	0.20 J	U	0.51 J	11 D	29
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	U	2.1	0.50 J	U	3.9	0.49 J	0.39 J	U	0.072 J	U	U	3.1 JD	9
1,3-butadiene	4.1	0.41	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	30	1.8	U	U	U	U	U	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U	2.7 J
2,2,4-trimethylpentane	NA	NA	U	1.5	3.9	0.58 J	U	5.5	0.71 J	U	U	U	U	U	0.5 J
4-ethyltoluene	NA	NA	U	2.7	0.85	U	3.6	0.49 J	0.31 J	U	U	U	U	4.2 JD	12
4-isopropyltoluene	NA	NA	NA	NA	NA	U	1.6	U	U	1.1 J	U	U	U	U	0.23 J
acetone	1,400,000	140,000	15	16	U	4.9 J	44	8.1 J	73	120	7.2 J	7900	22	120 D	51
benzene	16	1.6	4.9	4.2	8.4	0.64	0.57 J	0.61 J	0.58 J	0.89 J	0.58 J	U	0.63 J	0.75 JDM	2.8
bromodichloromethane	3.3	0.33	2.6	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	4.8	13	9.2	1.1 J	12	0.48 J	2.7	8.3	2.0	U	1.6	21 D	2.6
carbon tetrachloride	20	2	U	U	U	0.51 J	0.47 J	0.43 J	0.39 J	U	U	U	0.46 J	0.53 JD	0.38 J
chlorobenzene	2,200	220	U	0.66 J	U	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	91	0.79	U	U	0.47 J	U	0.33 J	0.74 J	2.5	U	U	1.7 JDM	U
chloromethane	3,900	390	U	U	U	U	0.30 J	0.15 J	0.29 J	0.43 J	U	U	U	U	0.42 J
cis-1,2-dichloroethene	NA	NA	2.3	U	U	U	U	U	U	0.75 J	U	U	U	5.1 D	1.8
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	1.5 J	U	U	U	0.57 JD	2.1
cyclohexane	260,000	26,000	6.2	9.4	8.0	0.34 JB	2.1	6.8	1.5	U	U	U	U	U	U
dibromochloromethane	10	NA	U	U	U	0.34 JB	2.1	6.8	1.5	U	U	U	U	U	U
ethylbenzene	49	4.9	1.1	6.1	4.9	0.58 J	3.9	3.1	1.9	1.8	0.39 J	U	0.41 J	4.5	12
freon 11 (trichlorofluoromethane)	31,000	3,100	0.86	1.7	1.3	1.4	1.4	1.3	1.1	1.3 J	0.83 J	U	1.1	1.5 J	1 J
freon 113 (freon TF)	1,300,000	130,000	1.1 J	0.86 J	U	0.58 J	0.69 J	0.64 J	0.60 J	0.91 J	0.97 J	U	0.55 J	U	U
freon 114 (1,2-dichlorotetrafluoroethane)	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
freon 12 (dichlorodifluoromethane)	4,400	440	2.9	2.8	2.5	2.9	2.6	2.6	2.3 J	U	2.5	U	2.4 J	3.1 J	1.7 J
freon 22	2,200,000	220,000	NA	NA	NA	U	U	0.77 J	0.88 J	U	0.75 J	U	0.82 J	U	0.74 J
heptane	NA	NA	3.6	5.3	8.2	0.45 JB	1.1	3.6	0.69 J	U	U	U	U	U	2.5
hexane	31,000	3,100	8.2	7.9	13	0.91 B	1.4	9.3	0.57 J	6	0.69	U	1	U	1.2
isopropyl alcohol	NA	NA	U	U	0.62	2.3 J	15	190	5.5 J	10 J	1.3 J	U	U	U	U
m,p-xylene (sum of isomers)	4,400	440	2.7	14	14	1.1 J	3.4	8.7	2.8	1.9 J	0.73 J	U	1.2 J	16	38
methyl butyl ketone	NA	NA	U	U	U	U	0.94 J	U	0.61 J	1.2 J	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	2.3	2.7	U	0.82 J	10 B	4.4	14	19	U	2300	7.6	55	14
methyl isobutyl ketone	130,000	13,000	U	U	U	U	1.3 J	U	1.7 J	U	2.9	U	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	0.95	U	U	0.43 J	0.82 J	0.52 J	0.95 J	1.7 J	U	U	0.76 J	U	0.68 J
naphthalene	3.6	0.36	U	U	U	U	0.68 J	U	0.72 J	U	U	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	4.6	3.8	0.44 J	0.91 J	1.6 J	U	U	1.2	U	0.41 J
n-Propylbenzene	NA	NA	NA	NA	NA	U	1.5	U	0.31 J	U	U	U	U	2.6 J	7.9
o-xylene	4,400	440	0.84	5.1	2.8	0.46 J	1.7	3.4	1.1	0.8 J	0.41 J	U	0.48 J	5.3	17
styrene	44,000	4,400	U	U	U	U	0.30 J	0.35 J	0.34 J	0.33 J	U	U	U	1.4 J	5.5
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.8 J	U	1.2 J	2.2 J	U	U	U	U	3.4 J
tetrachloroethylene (pce)	470	47	U	U	1.0	U	1.2 J	0.62 J	0.34 J	0.4 J	U	U	U	U	0.24 J
tetrahydrofuran	NA	NA	U	U	U	U	3.4 J	U	U	0.95 J	U	20,000	19	360	52
toluene	220,000	22,000	26	23	42	2.2 B	5.9	8.1	3.3	4.2	1.2	U	1.9	6.7	15
trichloroethylene (tce)	30	3	720	88	33	3.5	39	3	17	54	27	170 J	1.2	33	6
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of EPA Commercial Regional Screening Levels.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
* EPA Commercial Regional Screening Levels (http://www.epa.gov/reg3hscd/risk/human/rb-concent

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level* (µg/m³)	Indoor Air Screening Level* (µg/m³)	785VMP-5											
Sample ID			785VMP0501AA	785VMP0501AB	785VMP0501AC	785VMP0501AD	785VMP0501FA	785VMP0501GA	785VMP0501HA	785VMP0501IA	785VMP0501JA	785VMP0501NA	785VMP0501PA	785VMP0501PA
Sample Type			sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab
Sample Date			25-Aug-2011	24-Oct-2011	31-Jan-2012	8-Aug-2012	6-Mar-2013	9-Aug-2013	3-Oct-2013	29-Jan-2014	18-Jul-2014	26-Jan-2015	1-Sep-2015	2-Feb-2016
Sample Depth (ft bgs / ags)			1	1	1	1	1	1	1	1	1	1	1	1
Sample Collection Duration (hr)			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Volatiles (TO-15) in µg/m³														
1,1,1-trichloroethane	220,000	22,000	4.8	1.8	0.53 J	0.74 J	U	0.54 J	1.4	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	2.2	1.4	U	0.69 J	0.71 J	U	U	0.55 J	U	1.1 J	9.3 D	0.35 JD
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	0.28 J	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	0.85	U	U	U	0.31 J	U	U	U	U	U	2.4 JD	U
1,3-butadiene	4.1	0.41	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	17	U	U	U	U	U	U	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	0.48 J	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	1.4	1.3	0.92	6.5	0.96	U	U	U	U	U	U
4-ethyltoluene	NA	NA	0.50 J	U	U	U	0.34 J	U	U	U	U	U	2.6 JD	U
4-isopropyltoluene	NA	NA	NA	NA	U	0.64 J	U	U	U	U	U	U	U	U
acetone	1,400,000	140,000	21	4.3	2.3 J	20 B	6.8 J	8.2 J	2.8 J	10 J	2600	54	77 D	23 D
benzene	16	1.6	0.39 J	2.6	0.64	0.50 J	0.69	0.38 J	0.27 J	0.62	U	3.3	8.6 D	3.5 D
bromodichloromethane	3.3	0.33	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	0.38 J	U	U	2.7	U	U	U	U	U	U	6.8 JD	11 D
carbon tetrachloride	20	2	U	U	0.48 J	0.45 J	0.48 J	0.31 J	0.38 J	0.39 J	U	U	0.92 JD	0.42 JDM
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	2.8	0.74	U	U	U	0.19 J	0.21 J	U	46 J	U	U	U
chloromethane	3,900	390	U	U	U	0.97 J	0.85 J	0.48 J	0.42 J	1.4	U	U	U	0.36 JD
cis-1,2-dichloroethene	NA	NA	2.1	U	U	U	U	0.41 J	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	0.41 J	U	U	U	U	U	U	U	1.2 JD	U
cyclohexane	260,000	26,000	U	2.9	1.1 B	U	U	U	U	U	U	U	U	U
dibromochloromethane	10	NA	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	49	4.9	2.3	1.6	1.8	3.8	2.1	U	0.7 J	0.55 J	U	2.2 J	6.7	0.57 J
freon 11 (trichlorofluoromethane)	31,000	3,100	2.2	2.3	1.4	1.5	1.4	1.5	1.4	1.4	U	U	1.5 J	1 J
freon 113 (freon TF)	1,300,000	130,000	0.86 J	U	U	0.58 J	0.62 J	0.50 J	0.58 J	0.60 J	U	U	U	U
freon 114 (1,2-dichlorotetrafluoroethane)	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
freon 12 (dichlorodifluoromethane)	4,400	440	2.9	2.5	2.8	2.4 J	2.6	2.2 J	2.4 J	3.2	U	2.2 J	2.9 J	1.9 J
freon 22	2,200,000	220,000	NA	NA	U	U	0.95 J	0.90 J	U	1.2 J	U	U	U	0.73 J
heptane	NA	NA	U	1.9	0.70 JB	1.4	3.4	0.92	U	0.56 J	U	U	U	U
hexane	31,000	3,100	U	U	3.5 B	1.3	9.9	1.4	0.18 J	0.83	U	U	U	U
isopropyl alcohol	NA	NA	8.2	U	U	2.1 J	290	15	U	22	U	8.1 J	U	U
m,p-xylene (sum of isomers)	4,400	440	8.2	5.8	3.6	14	7.5	U	2 J	1.5 J	U	6 J	21	1.3 J
methyl butyl ketone	NA	NA	U	U	U	0.86 J	U	U	U	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	2	U	0.37 J	4.3 B	3.9	0.49 J	U	1.5	1200	13	U	4.9
methyl isobutyl ketone	130,000	13,000	U	U	U	0.49 J	U	U	0.48 J	U	U	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	3.7	U	U	0.59 J	0.6 J	0.43 J	1.7 J	0.72 J	U	U	U	U
naphthalene	3.6	0.36	U	U	U	0.46 J	U	U	U	U	U	U	U	U
n-Butane	NA	NA	NA	NA	4.8	4.4	1.5	0.57 J	0.64 J	3.0	U	U	U	U
n-Propylbenzene	NA	NA	NA	NA	U	U	U	U	U	U	U	U	1.5 J	U
o-xylene	4,400	440	3	1.5	1.7	4.7	2.4	U	0.63 J	0.58 J	U	2.1 J	8.1	0.46 J
styrene	44,000	4,400	U	U	U	0.64 J	U	U	U	0.58 J	U	3.9	22	1.1 J
tert-Butyl alcohol	NA	NA	NA	NA	U	0.96 J	U	0.55 J	U	2.5 J	U	U	U	U
tetrachloroethylene (pce)	470	47	2.2	U	U	U	U	U	0.3 J	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	0.21 J	0.41 J	U	U	U	U	6900	230	540	67
toluene	220,000	22,000	2.1	7.4	1.6 B	3.7	4.9	1.2	0.69 J	3.2	U	U	2.6 J	0.77 J
trichloroethylene (tce)	30	3	610	140	18	20	1.1	7	73	1.2	510	41	150	7.3
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of EPA Commercial Regional Screening Levels.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
* EPA Commercial Regional Screening Levels (http://www.epa.gov/reg3hscd/risk/human/rb-concent

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level* (µg/m³)	Indoor Air Screening Level* (µg/m³)	785-1A											
Sample ID			**785IA05**	**785IA06**	**785IA07**	**785IA08**	**785IA09**	**785IA10**	**785IA11**	**785IA12**	**785IA13**	**785IA14**	**785IA15**	**785IA1QA**
Sample Type			**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date			**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**	**6-Mar-2013**	**9-Aug-2013**	**3-Oct-2013**	**28-Jan-2014**	**17-Jul-2014**	**26-Jan-2015**	**1-Sep-2015**	**1-Feb-2016**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**8**
Volatiles (TO-15) in µg/m³														
1,1,1-trichloroethane	220,000	22,000	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	1.7	1.4	U	0.37 J	U	0.49 J	U	U	0.42 J	0.21 J	2.4	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	U	U	U	U	U	U	U	U	0.15 J	U	0.54 J	U
1,3-butadiene	4.1	0.41	U	U	U	U	0.32 J	U	U	U	U	U	U	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	0.11 J		U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	11 J	U	U	U
2,2,4-trimethylpentane	NA	NA	U	0.52 J	0.29 J	U	U	U	U	U	U	U	0.24 J	0.25 J
4-ethyltoluene	NA	NA	U	U	U	U	U	U	U	U	0.12 J	U	0.61 J	U
4-isopropyltoluene	NA	NA	NA	NA	U	U	U	U	U	U	0.56 J	U	U	U
acetone	1,400,000	140,000	35	11	2.6 J	16 B	9.3 J	9.7 J	6.6 J	U	19	U	9.3 J	4.3 J
benzene	16	1.6	U	1.3	0.58 J	0.36 J	U	U	0.31 J	0.48 J	0.30 J	0.64	0.37 JM	0.48 J
bromodichloromethane	3.3	0.33	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	U	U	U	U	U	U	U	0.76 J	6.8	U	0.92 J	0.29 J
carbon tetrachloride	20	2	U	U	0.53 J	0.44 J	U	0.48 J	0.43 J	0.49 J	0.51 J	0.47 J	0.45 J	0.37 J
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U		U	U	0.3 J	U	U	U	U	U
chloroform	5.3	0.53	U	4.7	U	U	U	U	0.39 J	U	U	U	U	U
chloromethane	3,900	390	U	U	1.2	1.1	1.2	1	1.9	1.6	1.5	1.1	0.97 J	1
cis-1,2-dichloroethene	NA	NA	U	U	U	U	U	U	U	U	0.84	U	U	U
cumene	18,000	1,800	NA	NA	U	U	U	U	U	U	U	U	U	U
cyclohexane	260,000	26,000	U	U	0.34 JB	U	U	U	U	U	U	U	0.41 JM	U
dibromochloromethane	10	NA	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	49	4.9	U	0.75	0.13 J	0.22 J	U	0.19 J	0.13 J	U	0.69 J	0.21 J	0.52 J	U
freon 11 (trichlorofluoromethane)	31,000	3,100	1.7	1.3	1.4	1.3	1.4	1.3	1.2	1.4	1.5	1.2	1.2	0.99 J
freon 113 (freon TF)	1,300,000	130,000	U	U	0.54 J	0.58 J	0.65 J	0.59 J	0.56 J	0.63 J	0.69 J	0.45 J	0.47 J	U
freon 114 (1,2-dichlorotetrafluoroethane)	NA	NA	U	U	U	U	U	U	U	U	U	U	5.7	U
freon 12 (dichlorodifluoromethane)	4,400	440	2.8	2.3	2.8	2.3 J	2.6	2.3 J	2..5	3.0	2.6	2.6	3.4	1.7 J
freon 22	2,200,000	220,000	NA	NA	U	U	1 J	1.0 J	U	1.1 J	1.1 J	0.84 J	1.4 J	0.74 J
heptane	NA	NA	U	0.71	0.37 JB	0.70 J	U	U	U	U	U	U	0.43 JM	0.24 JM
hexane	31,000	3,100	U	2.3	2.0 B	0.75	U	U	0.28 J	U	0.29 J	2.2	0.99	0.47 J
isopropyl alcohol	NA	NA	24	U	U	0.84 J	U	U	U	U	2.1 J	U	U	U
m,p-xylene (sum of isomers)	4,400	440	1.0 J	2.4	0.29 J	0.65 J	U	0.66 J	0.33 J	U	2.1 J	0.53 J	2.2	U
methyl butyl ketone	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	3.2	U	0.30 J	2.3 B	1.1 J	1.7	1.1 J	1.0 J	3.9	U	1.2 J	0.95 J
methyl isobutyl ketone	130,000	13,000	U	U	U	0.38 J	U	0.37 J	U	U	0.37 J	U	2.3	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	0.85	U	U	0.51 J	U	U	0.63 J	0.69 J	U	0.88 J	1.4 J	0.73 J
naphthalene	3.6	0.36	U	U	U	U	U	U	U	U	U	U	0.22 J	U
n-Butane	NA	NA	NA	NA	2.0	2.5	1.3	0.70 J	1.1 J	1.4	U	5.9	7.4	1.1 J
n-Propylbenzene	NA	NA	NA	NA	U	U	U	U	U	U	U	U	0.37 J	U
o-xylene	4,400	440	U	0.75	0.11 J	0.22 J	U	0.25 JM	0.14 J	U	0.40 J	0.2 J	1.2	U
styrene	44,000	4,400	U	U	U	U	U	U	U	U	U	U	0.069 J	U
tert-Butyl alcohol	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U	U
tetrachloroethylene (pce)	470	47	U	21	U	U	U	U	U	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
toluene	220,000	22,000	4.2	4.0	1.4 B	1.3	U	0.84	0.75	0.33 J	1.3	0.97	0.89	3
trichloroethylene (tce)	30	3	1.1	U	U	U	U	U	U	U	0.88 J	U	U	U
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of EPA Commercial Regional Screening Levels.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
* EPA Commercial Regional Screening Levels (http://www.epa.gov/reg3hscd/risk/human/rb-concent

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level* (µg/m³)	Indoor Air Screening Level* (µg/m³)	785/786-OA											
Sample ID			**785OA01**	**785786OA02**	**785786OA03**	**785786OA04**	**785786OA05**	**785786OA06**	**785786OA07**	**785786OA08**	**785786OA09**	**785786OA10**	**785786OA11**	**785786OA1QA**
Sample Type			**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**
Sample Date			**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**	**6-Mar-2013**	**9-Aug-2013**	**3-Oct-2013**	**28-Jan-2014**	**17-Jul-2014**	**26-Jan-2015**	**1-Sep-2015**	**1-Feb-2016**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**8**
Volatiles (TO-15) in µg/m³														
1,1,1-trichloroethane	220,000	22,000	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	1.3	2.6	U	0.73 J	U	U	U	U	0.073 J	U	0.091 J	U
1,2-dichloroethane	4.7	0.47	U	U	U	2.6	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,3-butadiene	4.1	0.41	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	U		U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	0.76	0.34 J	0.56 J	U	0.23 J	U	U	U	U	U	U
4-ethyltoluene	NA	NA	U	0.65 J	U	U	U	U	U	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U	U
acetone	1,400,000	140,000	39	12	19	150	4 J	22	8.5 J	3.3 J	6.2 J	U	12 J	4 J
benzene	16	1.6	0.39 J	1.8	0.56 J	0.80 J	0.78	0.32 J	U	0.53 J	0.14 J	0.5 J	0.3 J	0.37 JM
bromodichloromethane	3.3	0.33	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	U	U	U	0.78 J	U	0.57 J	U	U	0.59 J	U	0.8 J	2.8
carbon tetrachloride	20	2	U	U	0.52 J	U	0.54 J	0.47 J	0.4 J	0.56 J	0.30 J	0.5 J	0.45 J	0.41 J
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	3,900	390	U	U	1.2	1.2 J	1.4	1.0 J	1.1 J	1.7	1.2	1.3	0.93 J	1.1
cis-1,2-dichloroethene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	U	U	U	U	U	U	U	U	U	U
cyclohexane	260,000	26,000	0.77	U	U	U	U	U	U	U	U	U	U	U
dibromochloromethane	10	NA	U	U	U	U	U	U	U	U	U	2.8	U	U
ethylbenzene	49	4.9	U	1.3	U	1.4 J	U	0.13 J	U	U	U	U	0.099 J	U
freon 11 (trichlorofluoromethane)	31,000	3,100	1.7	1.4	1.4	1.4 J	1.4	1.2	1.2	1.5	1.2	1.3	1.2	1.1 J
freon 113 (freon TF)	1,300,000	130,000	U	U	0.59 J	0.70 J	U	0.55 J	0.54 J	0.70 J	0.54 J	0.49 J	0.49 J	U
freon 114 (1,2-dichlorotetrafluoroethane)	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
freon 12 (dichlorodifluoromethane)	4,400	440	2.9	2.2	2.8	3.2 J	2.7	2.1 J	2.3 J	3.3	2.5	U	2.3 J	1.6 J
freon 22	2,200,000	220,000	NA	NA	U	U	0.92 J	0.99 J	U	1.3 J	0.84 J	0.93 J	0.96 J	0.72 J
heptane	NA	NA	U	1.2	0.55 JB	2.7	U	0.14 J	0.89 J	U	U	U	U	0.23 J
hexane	31,000	3,100	U	3.8	2.2 B	4.4	U	0.25 J	0.19 J	0.22 J	U	U	U	0.2 J
isopropyl alcohol	NA	NA	15	2.2	1.3 J	11 J	U	1.6 J	U	U	1.1 J	U	U	U
m,p-xylene (sum of isomers)	4,400	440	0.75 J	4.3	0.30 J	3.8 J	U	0.37 J	U	U	0.14 J	U	0.33 J	U
methyl butyl ketone	NA	NA	U	U	U	1.1 J	U	0.37 J	2.2	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	3.4	U	0.92 J	8.6 B	U	3.3	U	U	1.3 J	U	1.7	0.69 J
methyl isobutyl ketone	130,000	13,000	U	U	U	U	U	0.17 J	0.28 J	U	U	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	1.1	1.3	0.53 J	2.4 J	U	6.5	0.58 J	1.0 J	0.68 J	U	1.4 J	0.65 J
naphthalene	3.6	0.36	U	U	U	1.1 J	U	U	U	U	U	U	U	U
n-Butane	NA	NA	NA	NA	1.9	30	1.4	0.54 J	0.95 J	1.5	U	1.3	0.75 J	0.94 J
n-Propylbenzene	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U	U
o-xylene	4,400	440	U	1.3	U	1.3 J	U	0.12 J	U	U	U	U	0.16 JM	U
styrene	44,000	4,400	U	U	U	0.74 J	U	U	U	U	U	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	U	1.8 J	U	0.93 J	U	U	U	U	U	U
tetrachloroethylene (pce)	470	47	U	U	U	1.7 J	U	U	U	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	5.9 J	U	U	U	U	U	U	U	U
toluene	220,000	22,000	2.3	7.2	0.57 JB	17	0.55 J	0.74	0.57 J	0.34 J	0.58 J	0.28 J	0.62 J	1.5
trichloroethylene (tce)	30	3	0.82	0.82	U	U	U	U	U	U	U	U	U	U
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of EPA Commercial Regional Screening Levels.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
* EPA Commercial Regional Screening Levels (http://www.epa.gov/reg3hscd/risk/human/rb-concent

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level* ($\mu g/m^3$)	Indoor Air Screening Level* ($\mu g/m^3$)	786VMP-1												
Sample ID			786VMP0102AA	786VMP0102AB	786VMP0102AC	786VMP0102AD	786VMP0102AG	786VMP0102HA	786VMP0102IA	786VMP0102JA	786VMP0102KA	786VMP0102LA	786VMP0102NA	786VMP0102PA	786VMP0102QA
Sample Type			sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab
Sample Date			18-Jan-2011	24-Aug-2011	24-Oct-2011	27-Jan-2012	8-Aug-2012	6-Mar-2013	9-Aug-2013	3-Oct-2013	26-Feb-2014	18-Jul-2014	26-Jan-2015	1-Sep-2015	2-Feb-2016
Sample Depth (ft bgs / ags)			2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Sample Collection Duration (hr)			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Volatiles (TO-15) in $\mu g/m^3$															
1,1,1-trichloroethane	220,000	22,000	12	U	U	U	U	U	U	0.53 J	U	U	U	U	U
1,1-dichloroethane	77	7.7	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	88	9	U	U	U	U	U	U	U	U	U	0.59 J	U	U	0.65 J
1,2,4-trimethylbenzene	310	31	7.5	6.9	1.2	U	0.38 J	1.0	1.7	1.3	0.31 J	4.2	0.48 J	1.7	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	5.2	1.9	U	U	U	0.33 J	0.46 J	0.38 J	U	1.3 J	U	0.5 J	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	17 J	2.3	U	1.8 J	16	U	1.8	U
1,4-dichlorobenzene	11	1.1	U	U	U	U	U	U	U	U	U	U	U	0.16 J	U
2-chlorotoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U	0.30 J	U	U	U
2,2,4-trimethylpentane	NA	NA	19	0.95	3.8	1.9	U	7 J	1.3	U	U	1.2 J	U	U	U
4-ethyltoluene	NA	NA	3.2	2.7	0.65 J	U	U	0.29 J	0.54 J	0.23 J	U	1.4 J	U	0.59 J	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	0.27 J	U
acetone	1,400,000	140,000	31	20	U	3.3 J	7.8 JB	12 J	7.8 J	9.2 J	U	26	3.7 J	15	3.6 J
benzene	16	1.6	19	3.1	9.1	U	U	U	0.66	0.47 J	0.71 J	1.4	0.43 J	0.31 J	0.3 J
bromodichloromethane	3.3	0.33	4.0	U	U	U	U	U	U	U	U	U	U	U	U
bromomethane	220	22	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	15	0.63	U	U	0.65 J	U	0.56 J	2.6	U	8.2	U	0.69 JM	1 J
carbon tetrachloride	20	2	U	U	0.70 J	0.43 J	0.52 J	0.41 J♦	0.35 JM	0.37 J♦	U	0.53 J	U	0.78 J	0.2 J
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	0.90 J	U	U	U
chloroform	5.3	0.53	30	0.84	U	U	0.43 J	U	U	1.1	U	2.6	U	1.1	U
chloromethane	3,900	390	U	U	U	U	0.24 J	0.2 J	0.18 J	0.27 J	U	U	U	0.31 J	0.22 J
cis-1,2-dichloroethene	NA	NA	9.7	U	U	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	0.67 J	U	0.45 J	U
cyclohexane	260,000	26,000	U	2.5	5.7	2.8	U	8.7 J	U	0.25 J	U	2.7	U	U	0.14 J
ethyl acetate	3,100	310	U	U	U	U	U	U	NA	U	U	U	U	U	U
ethylbenzene	49	4.9	6.6	4.6	3.1	U	0.34 J	0.89	1	2	0.40 J	4.6	0.24 J	4.5	U
freon 11 (trichlorofluoromethane)	31,000	3,100	3.0	1.8	2.6	1.3	1.3	1.3	1.1	1.3	U	1.6 J	U	2.1	0.89 J
freon 113 (freon TF)	1,300,000	130,000	U	0.86 J	0.78 J	0.64 J	0.62 J	0.64 J	0.52 J	0.61 J	U	0.84 J	0.38 J	0.99 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	3.8	2.9	U	2.7	2.4 J	2.6 ♦	2.2 J♦	2.3 J	2.0 J	2.9 J	2.4 J	4	1.5 J
freon 22	2,200,000	220,000	NA	NA	NA	U	0.86 J	0.89 J♦	0.79 J♦	0.79 J	U	0.92 J	0.68 J	1.4 J	1 J
heptane	NA	NA	25	3.4	8.1	4.1	U	3.9 J	0.39 J♦	0.37 J	U	1.0 J	U	U	U
hexane	31,000	3,100	52	4.9	16	10	U	13 J	0.22 J♦	2.5	0.81 J	1.5	U	U	1.7
isopropyl alcohol	NA	NA	U	14	U	1.1 J	0.87 J	98 J	6.6 J	14	120	68	2.2 J	4.5 J	U
m,p-xylene (sum of isomers)	4,400	440	17	19	11	0.32 J	1.0 J	3.4	3.6	5.6	1.2 J	13	0.69 J	5	0.36 J
methyl butyl ketone	NA	NA	U	U	U	U	U	U	0.31 J♦	0.34 J	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	U	2.3	U	0.55 J	1.3 JB	4.1 J	1.4 J♦	3.6	U	11	U	2.3	1.1 J
methyl isobutyl ketone	130,000	13,000	U	U	U	3.5	U	U	U	1.2 J	U	1.4 J	U	0.88 J	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	2.8 J	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	1.3 J	U	U	U
methylene chloride	12,000	1,200	3.8	U	U	U	0.44 J	0.55 J	0.40 J♦	0.84 J	U	U	U	0.97 JM	0.66 J
naphthalene	3.6	0.36	U	U	U	U	U	U	0.98 J	0.85 J	U	U	U	0.99 J	0.58 J
n-Butane	NA	NA	NA	NA	NA	U	0.43 J	1.2 J♦	U	0.44 J	5.0	2.9	U	4.3	12
n-Propylbenzene	44,000	4,400	NA	NA	NA	U	U	U	U	U	U	1.0 J	U	0.46 J	U
o-xylene	4,400	440	7.5	4.9	2.0	0.11 J	0.39 J	1.3	1.4	1.6	1.7 J	4.3	0.14 J	2.0	0.38 J
styrene	44,000	4,400	U	U	U	U	0.20 J	0.2 J	0.37 J♦	0.43 J	U	2.5	U	0.45 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	U	0.69 J♦	1.8 J	U	16 J	U	4.1 J	U
tetrachloroethylene (pce)	470	47	140	3.7	2.0	2.4	1.5	0.5 J	0.71 J♦	3.3	U	8.3	U	6.4	0.83 J
tetrahydrofuran	NA	NA	U	U	U	U	0.43 J	U	U	2.5 J	U	7.5 J	U	U	U
toluene	220,000	22,000	35	15	29	0.61 J	1.5	3.7 J	3	4.2	3.0	14	0.85	2.5	U
trichloroethylene (tce)	30	3	4,900	84	49	13	24	9.1 J♦	16♦	140♦	26	270	U	160	41
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
M - Lab qualifier for manual integrated compound
NA- Not Available
$\mu g/m^3$ microgram per cubic meter.
Exceedance of EPA Commercial Regional Screening Levels.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
*EPA Commercial Regional Screening Levels

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location			786VMP-2												
Sample ID	**Sub-slab Vapor Screening Level* ($\mu g/m^3$)**	**Indoor Air Screening Level* ($\mu g/m^3$)**	**786VMP0202AA**	**786VMP0202AB**	**786VMP0202AC**	**786VMP0202AE**	**786VMP0202AG**	**786VMP0202HA**	**786VMP0202IA**	**786VMP0202JA**	**786VMP0202KA**	**786VMP0202LA**	**786VMP0202NA**	**786VMP0202PA**	**786VMP0202QA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**18-Jan-2011**	**24-Aug-2011**	**24-Oct-2011**	**7-Feb-2012**	**8-Aug-2012**	**6-Mar-2013**	**9-Aug-2013**	**3-Oct-2013**	**29-Jan-2014**	**18-Jul-2014**	**26-Jan-2015**	**1-Sep-2015**	**2-Feb-2016**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$															
1,1,1-trichloroethane	220,000	22,000	15	4.2	3.7	0.78 J	2.1	U	3.7	6.8	1.5	14	0.55 J	4.7	U
1,1-dichloroethane	77	7.7	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	88	9	U	U	U	U	U	U	U	0.75 J	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	4.5	7.5	1.6	0.62 J	1.2	1.4	1.5	U	0.49 J	U	0.16 J♦	2.4 ♦	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	1.7	3.1	0.55 J	0.26 J	0.33 J	0.44 J	0.41 J	0.25 J	U	U	U	0.63 J♦	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	28	1.9	0.28 J	4.9	U	U	1.3 ♦	U
1,4-dichlorobenzene	11	1.1	U	U	U	U	U	U	U	U	U	U	U	0.12 J♦	U
2-chlorotoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	1.8	U	1.3	U	U	6.8	0.61 J	U	U	U	U	0.14 J	U
4-ethyltoluene	NA	NA	0.95	2	0.55 J	0.29 J	0.36 J	0.37 J	0.46 J	U	U	U	U	0.72 J♦	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	0.82 J♦	U
acetone	1,400,000	140,000	49	25	U	1.9 J	26 B	25	4.8 J	15	31 J♦	U	5.5 J	12 ♦	3.4 J
benzene	16	1.6	4.6	0.32 J	2.2	U	0.19 J	0.66	0.44 J	0.42 J	0.66 ♦	0.49 J	0.63	0.27 J	U
bromodichloromethane	3.3	0.33	7.4	3.2	1.7	0.32 J	1.3 J	U	0.70 J	0.96 J	U	2.1 J	U	0.86 J	U
bromomethane	220	22	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	5.3	1.4	0.41 J	U	0.64 J	U	0.62 J	0.45 J	U	1.1 J	U	26 ♦	0.14 J
carbon tetrachloride	20	2	U	U	U	0.44 J	0.53 J	0.41 J	0.47 J	0.34 J	U	U	0.32 J	0.57 J	U
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	620	100	72	12	31	2.4	55	58	11	160	3.8	31	3.1
chloromethane	3,900	390	U	U	U	U	0.27 J	U	0.28 J	0.19 J	U	U	U	2.9 ♦	0.37 J
cis-1,2-dichloroethene	NA	NA	1.4	U	U	U	U	U	0.34 J	0.32 J	U	0.90 J	U	0.35 J	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	U	U	0.5 J♦	U
cyclohexane	260,000	26,000	U	U	U	U	0.38 J	9.1	U	U	3.4 J♦	U	U	U	U
ethyl acetate	3,100	310	U	1.1	U	U	U	U	NA	U	U	U	U	U	U
ethylbenzene	49	4.9	1.5	8.8	2.7	1.4	1.9	1.6	0.77 J	0.64 J	0.56 J	U	0.16 J♦	4.2 ♦	U
freon 11 (trichlorofluoromethane)	31,000	3,100	2.7	1.7	1.4	1.3	1.4	1.4	1.2	1.3	0.91 J♦	1.9 J	U	1.6	0.65 J
freon 113 (freon TF)	1,300,000	130,000	3.7	1.1 J	1.1 J	0.55 J	0.78 J	0.75 J	0.78 J	1.5	1.2 J♦	2.3 J	0.68 J	1.2 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	3.5	2.8	2.3	2.5	2.4 J	2.7	1.9 J	2.4 J	3.0 ♦	3.0 J	3.1	2.5	1.7 J
freon 22	2,200,000	220,000	NA	NA	NA	U	1.2 J	0.98 J	0.73 J	0.82 J	U	1.0 J	1 J	0.84 J♦	0.73 J
heptane	NA	NA	5.8	U	1.7	U	0.38 J	3.7	U	U	0.85 ♦	U	0.23 J	0.26 J♦	U
hexane	31,000	3,100	U	U	U	0.22 J	0.76	15	0.19 JM	2.5	1.1 J♦	U	U	0.31 J♦	U
isopropyl alcohol	NA	NA	U	U	U	1.4 J	1.5 J	170	3.1 J	1 J	24	U	1.4 J	3.7 J♦	U
m,p-xylene (sum of isomers)	4,400	440	4.8	32	9.9	4.6	7.2	6.3	2.8	1.5 J	1.5 J	U	0.39 J♦	4.9 ♦	U
methyl butyl ketone	NA	NA	9.2	8.7 J	U	U	0.84 J	U	U	0.58 J	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	15	U	U	U	4.8 B	7	1.4 J	3.2	3.1 ♦	U	1.4 J	3.1 ♦	U
methyl isobutyl ketone	130,000	13,000	6.7	U	U	1.0 J	0.74 J	U	U	0.78 J	U	U	U	0.72 J♦	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	1.4	23	2.5	15	2.8	0.83 J	2.3	1.3 J	1.0 J♦	U	0.65 J♦	0.41 J♦	U
naphthalene	3.6	0.36	U	U	U	U	0.53 J	U	0.77 J	0.52 J	U	U	U	0.87 J♦	U
n-Butane	NA	NA	NA	NA	NA	0.67 J	2.1	1.3	0.37 J	0.26 J	0.85 J♦	U	1.1 J	0.86 J♦	U
n-Propylbenzene	44,000	4,400	NA	NA	NA	U	U	U	U	U	U	U	U	0.53 J♦	U
o-xylene	4,400	440	2.2	6.6	2.1	1.1	1.6	2.2	1	0.53 J	0.61 J	U	0.18 J♦	2.1 ♦	U
styrene	44,000	4,400	U	2.2	U	U	0.25 J	U	U	0.22 J	0.29 J	U	U	0.39 J♦	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.1 J	U	U	3.3 J	4.2 J♦	U	U	2.1 J♦	U
tetrachloroethylene (pce)	470	47	11	0.83 J	2.9	U	0.82 J	U	0.93 J	0.54 J	U	1.6 J	U	3	U
tetrahydrofuran	NA	NA	16	U	U	U	0.67 J	U	U	0.42 J	U	1.3 J	1.3 J	18 ♦	U
toluene	220,000	22,000	6.7	16	11	2.2 B	4.4	5.2	2.1	2	4.3 ♦	0.59 J	0.9	1.9 ♦	U
trichloroethylene (tce)	30	3	740	260	140	22	110	6.3	150	120	6.3	410	6.3	130	0.41 J
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
M - Lab qualifier for manual integrated compound
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of EPA Commercial Regional Screening Levels.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
*EPA Commercial Regional Screening Levels

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location			786VMP-3												
Sample ID	**Sub-slab Vapor Screening Level* ($\mu g/m^3$)**	**Indoor Air Screening Level* ($\mu g/m^3$)**	**786VMP0302AA**	**786VMP0302AB**	**786VMP0302AC**	**786VMP0302AD**	**786VMP0302AG**	**786VMP0302HA**	**786VMP03021A**	**786VMP0302JA**	**786VMP0302KA**	**786VMP0302LA**	**786VMP0302NA**	**786VMP0302PA**	**786VMP0302QA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**18-Jan-2011**	**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**	**6-Mar-2013**	**9-Aug-2013**	**3-Oct-2013**	**29-Jan-2014**	**18-Jul-2014**	**26-Jan-2015**	**1-Sep-2015**	**2-Feb-2016**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$															
1,1,1-trichloroethane	220,000	22,000	16	U	U	U	U	U	U	0.6 J	U	1.9	U	U	U
1,1-dichloroethane	77	7.7	1.4	U	U	U	U	U	U	U	U	0.57 J	U	U	U
1,2,4-trichlorobenzene	88	9	U	U	U	U	0.62 J	U	U	0.39 J	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	13	2.4	0.8	0.33 J	U	U	U	0.96	0.30 J	6.2	0.38 J	U	U
1,2-dichloroethane	4.7	0.47	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	9.9	0.65 J	U	U	U	U	U	0.3 J	U	1.6	U	U	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	0.41 J	U	18	U	U	U
1,4-dichlorobenzene	11	1.1	U	U	U	U	U	U	U	U	U	1.4	U	U	U
2-chlorotoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U	0.42 J	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	1.4	0.24 J	U	U	1.9	U	U	2.3	U	U	0.32 J
4-ethyltoluene	NA	NA	8.1	0.60 J	U	U	U	U	U	0.28 J	U	2.1	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	U	U	U	2.2	U	0.76 J	U	U	U
acetone	1,400,000	140,000	50	24	4.3	1.2 J	94	17	5.5 J	9.3 J	31 J	44	7.8 J	50	13
benzene	16	1.6	4.7	0.32 J	4.2	0.25 J	1.0	0.7	U	0.46 J	0.82	3.5	0.7	2.8	0.77
bromodichloromethane	3.3	0.33	2.9	U	U	U	U	U	U	U	U	U	U	U	U
bromomethane	220	22	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	31,000	3,100	3.1	0.95	U	U	0.91 J	U	0.38 J	3.3	0.64 J	15	U	2.1	U
carbon tetrachloride	20	2	U	U	0.64 J	0.48 J	0.55 J	U	0.44 J	0.31 JM	0.28 J	0.45 J	0.49 J	0.56 J	0.39 J
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	3.0	U	U	U
chloroform	5.3	0.53	47	U	U	U	0.33 J	U	U	0.41 J	0.21 J	1.4	U	U	U
chloromethane	3,900	390	U	U	U	U	U	0.2 J	0.14 J	0.32 J	U	0.47 J	U	U	U
cis-1,2-dichloroethene	NA	NA	1.1	U	U	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	NA	U	U	U	U	U	U	1.1	U	U	U
cyclohexane	260,000	26,000	U	U	U	U	U	3.6	U	U	U	3.7	U	U	0.28 J
ethyl acetate	3,100	310	U	U	U	U	U	U	NA	U	U	U	U	U	U
ethylbenzene	49	4.9	9.8	1.6	1.1	0.40 J	0.34 J	U	U	0.8 J	0.31 J	6.4	U	0.71 J	0.15 J
freon 11 (trichlorofluoromethane)	31,000	3,100	3.2	1.7	1.5	1.4	1.4 J	1.4	1.2	1.2	1.1	2	1.4	1.4	1 J
freon 113 (freon TF)	1,300,000	130,000	3.4	0.78 J	U	0.54 J	0.67 J	0.6 J	0.59 J	U	0.69 J	0.67 J	0.65 J	0.63 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	U	2.8	2.6	2.7	2.7 J	2.6	2.1 J	0.56 J	3.1	3.5	3	2.6	1.9 J
freon 22	2,200,000	220,000	NA	NA	NA	0.97 J	1.0 J	0.98 J	U	0.84 J	0.86 J	1.3 J	1 J	0.94 J	0.81 J
heptane	NA	NA	4.7	1.2	1.9	0.40 J	0.83 J	U	0.51 J	U	7.5	2.2	0.67 J	22	1.3
hexane	31,000	3,100	U	U	6.8	1.5	U	2.9	U	0.48 JM	4.9	1.9	0.96	24	1.8
isopropyl alcohol	NA	NA	U	11	U	U	2.8 J	34	2.3 J	5.5 J	U	73	3.4 J	1.2 J	U
m,p-xylene (sum of isomers)	4,400	440	16	5.3	3.4	1.4 J	0.75 J	U	U	1.7 J	0.37 J	17	0.42 J	0.77 J	0.36 J
methyl butyl ketone	NA	NA	7.6	U	U	U	7.6	U	U	U	U	U	U	1.9 J	0.42 J
methyl ethyl ketone	220,000	22,000	19	6.3 J	U	U	35	3.5	0.95 J	3.6	7.4	11	2.1	25	4.3
methyl isobutyl ketone	130,000	13,000	U	U	U	4.0	1.3 J	U	U	0.75 J	1.4 J	2.2	U	1.9 J	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	3.3	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	1.7	U	U	U
methylene chloride	12,000	1,200	U	U	U	0.50 J	U	U	U	1.4 J	0.53 J	1.3 J	0.63 J	U	U
naphthalene	3.6	0.36	U	U	U	U	0.87 J	U	U	18.0	U	U	U	0.23 J	U
n-Butane	NA	NA	NA	NA	NA	U	U	U	U	0.33 J	2.4	0.97 J	0.76 J	33	3.2
n-Propylbenzene	44,000	4,400	NA	NA	NA	U	U	U	U	U	U	2.3	U	U	U
o-xylene	4,400	440	6.2 J	1.5	0.84	0.38 J	0.24 J	U	U	0.62 J	0.19 J	5.2	0.11 J	0.34 J	U
styrene	44,000	4,400	4.8	0.95	U	U	U	U	U	0.27 J	U	3.0	U	0.16 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	0.47 J	150	U	U	2.2 J	U	17	U	0.65 J	U
tetrachloroethylene (pce)	470	47	85	2.6	1.5	U	4.6	U	4.2	U	0.77 J	8.5	U	1.1 J	U
tetrahydrofuran	NA	NA	36	U	U	U	U	11 J	U	2 J	U	12 J	1.3 J	U	U
toluene	220,000	22,000	16	5.2	7.7	0.62 J	2.7	0.2 J	0.70 J	3.2	1.0	19	0.44 J	2.6	0.86
trichloroethylene (tce)	30	3	2,200	51	23	1.9	36	1.8	6.5	58	11	200	0.24 J	18	0.4 J
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
M - Lab qualifier for manual integrated compound
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of EPA Commercial Regional Screening Levels.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
*EPA Commercial Regional Screening Levels

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location			786-1A											
Sample ID	Sub-slab Vapor Screening Level* ($\mu g/m^3$)	Indoor Air Screening Level* ($\mu g/m^3$)	786IA04	786IA05	786IA06	786IA07	786IA08	786IA09	786IA10	786IA11	786IA12	786IA13	786IA14	786IA1QA
Sample Type			Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Sample Date			24-Aug-2011	24-Oct-2011	27-Jan-2012	8-Aug-2012	6-Mar-13	9-Aug-13	3-Oct-13	28-Jan-14	17-Jul-14	26-Jan-15	1-Sep-15	2-Feb-16
Sample Depth (ft bgs / ags)			5	5	5	5	5	5	5	5	5	5	5	5
Sample Collection Duration (hr)			12	12	12	12	12	12	12	12	12	12	12	8
Volatiles (TO-15) in $\mu g/m^3$														
1,1,1-trichloroethane	220,000	22,000	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	77	7.7	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	88	9	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	310	31	5.1	1.9	U	0.59 J	U	U	2.8	U	0.15 J	U	0.63 J	U
1,2-dichloroethane	4.7	0.47	U	U	U	0.44 J	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	NA	NA	2.6	U	U	U	U	U	0.78 J	U	U	U	0.19 J	U
1,3-dichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	11	1.1	U	U	U	U	U	U	U	U	U	U	U	U
2-chlorotoluene	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	0.81	U	0.41 J	0.80 J	2.4	0.38 J	U	0.76 J	U	U	0.44 JM	0.96
4-ethyltoluene	NA	NA	1.2	0.60 J	U	U	U	U	0.74 J	U	U	U	0.16 J	U
4-isopropyltoluene	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U	U
acetone	1,400,000	140,000	49	12	3.3 J	46	21	15	18	U	9.2 J	6.8 J	13	5.3 J
benzene	16	1.6	0.91	1.3	0.75	0.47 J	0.77	0.41 J	0.68	0.52 J	0.22 J	0.52 J	1.2 M	U
bromodichloromethane	3.3	0.33	U	U	U	U	U	U	U	U	U	U	U	U
bromomethane	220	22	U	U	U	U	U	U	U	U	0.12 J	U	U	U
carbon disulfide	31,000	3,100	U	U	U	1.8	U	0.38 J	U	1.2 J	U	0.66 J	0.4 J	U
carbon tetrachloride	20	2	U	U	0.53 J	0.43 J	0.5 J	0.44 J	0.4 J	0.53 J	0.45 J	0.55 J	0.49 J	0.31 J
chlorobenzene	2,200	220	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	5.3	0.53	U	U	U	0.19 J	U	U	U	U	U	U	U	U
chloromethane	3,900	390	U	U	1.2	1.3	U	0.86 J	1	1.6	1.2	1.5	1.1	0.97 J
cis-1,2-dichloroethene	NA	NA	0.64	U	U	U	U	U	U	U	U	U	U	U
cumene	18,000	1,800	NA	NA	U	U	U	U	U	U	U	U	U	U
cyclohexane	260,000	26,000	U	1.7	0.28 JB	0.35 J	U	0.18 J	U	U	U	U	0.21 JM	U
ethyl acetate	3,100	310	U	U	U	U	U	NA	U	U	U	U	U	U
ethylbenzene	49	4.9	3	1.8	0.67 J	1.3	U	1.1	14	U	0.11 J	0.21 J	0.3 J	U
freon 11 (trichlorofluoromethane)	31,000	3,100	1.7	1.1	1.4	1.4	1.6	1.1 J	1.2	1.4	1.3	1.4	1.2	0.96 J
freon 113 (freon TF)	1,300,000	130,000	0.78 J	U	0.56 J	0.61 J	0.68 J	0.53 J	0.49 J	0.63 J	0.59 J	0.66 J	0.45 J	U
freon 12 (dichlorodifluoromethane)	4,400	440	2.8	2.0	2.8	2.5	3	2.0 J	2.3 J	3.1	2.5	3	2.4 J	1.6 J
freon 22	2,200,000	220,000	NA	NA	U	1.3 J	1.1 J	0.78 J	0.86 J	1.1 J	1.1 J	1 J	0.94 J	0.75 J
heptane	NA	NA	1.7	0.96	0.48 JB	0.92	1.2	0.36 J	U	0.82	U	0.26 J	0.38 JM	U
hexane	31,000	3,100	U	2.6	1.3 B	1.5	8.2	0.56 J	0.38 J	0.77	U	0.37 J	0.8	U
isopropyl alcohol	NA	NA	8.2	3.0	U	3.0 J	1.1 J	2.6 J	1.8 J	U	1.8 J	U	U	U
m,p-xylene (sum of isomers)	4,400	440	11	6.2	1.8 J	3.9	U	3.3	47	U	0.30 J	0.37 J	1.1 J	U
methyl butyl ketone	NA	NA	U	U	U	0.40 J	U	0.42 J	U	U	U	U	U	U
methyl ethyl ketone	220,000	22,000	5.9	U	0.76 J	4.5 B	3.8	3.1	7.6	U	1.2 J	1.1 J	1.6	0.87 J
methyl isobutyl ketone	130,000	13,000	U	U	2.6	0.71 J	U	0.98 J	2.7	U	U	U	0.75 J	U
methyl methacrylate	NA	NA	NA	NA	U	U	U	U	U	U	U	U	U	U
methyl tert-butyl ether	31,000	3,100	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	12,000	1,200	2.7	U	0.67 J	1.0 J	0.69 J	0.47 J	0.75 J	0.68 J	U	0.7 J	0.79 J	0.63 J
naphthalene	3.6	0.36	U	U	U	U	U	0.86 J	U	U	U	U	0.21 J	U
n-Butane	NA	NA	NA	NA	2.3	7.8	3.2	1.3	1.4	2.2	U	2.1	1.9	1.2 J
n-Propylbenzene	44,000	4,400	NA	NA	U	U	U	U	0.48 J	U	U	U	U	U
o-xylene	4,400	440	2.7	1.7	0.51 J	1.0	U	0.80 J	14	U	0.11 J	0.14 J	0.45 J	U
styrene	44,000	4,400	1.8	U	U	0.62 J	U	0.33 J	0.58 J	U	U	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	U	U	U	0.56 J	U	U	U	U	U	U
tetrachloroethylene (pce)	470	47	U	U	U	0.34 J	U	U	U	U	1.2 J	U	U	U
tetrahydrofuran	NA	NA	U	U	U	1.5 J	U	U	U	U	U	U	U	U
toluene	220,000	22,000	8.8	9.4	2.4 B	7.3	0.98	4.5	9.3	0.33 J	0.52 J	0.51 J	1.6	U
trichloroethylene (tce)	30	3	2.5	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	28	2.8	U	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
M - Lab qualifier for manual integrated compound
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of EPA Commercial Regional Screening Levels.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.
*EPA Commercial Regional Screening Levels

Table 3-5
Buildings 785/786
SSVM Performance Monitoring Influent Results

Sample Location	785786-Influent									
Sample ID	**785786CA01AA**	**785786CA01AB**	**785786CA01AC**	**785786CA01AD**	**785786CA01AG**	**785786CA01AH**	**785786CA01IA**	**785786CA01LA**	**785786CA01MA**	**785786CA01NA**
Sample Type	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**
Sample Date	**19-May-2011**	**23-Aug-2011**	**25-Oct-2011**	**24-Jan-2012**	**3-Aug-2012**	**14-Feb-2013**	**7-Aug-2013**	**20-Jan-2015**	**28-Aug-2015**	**1-Feb-2016**
Sample Depth (ft bgs)	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**
Sample Collection Duration (hr)	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**
Volatiles (TO-15) in µg/m^3										
1,1,1-trichloroethane	4.8	1.4	1.6	0.32 J	U	U	0.36 J	U	0.5 JM	U
1,2,4-trimethylbenzene	6.9	1.7	2.8	0.26 J	1.4 J	0.73 J	0.74 J	0.23 J	0.16 J	U
1,2-dichloroethene	U	U	U	U	U	U	U	0.36 J	1.1 J	U
1,3,5-trimethylbenzene	6.3	1.5	U	U	0.65 J	U	U	U	U	U
1,3-butadiene	U	U	U	U	U	0.23 J	U	U	U	U
1,3-dichlorobenzene	U	U	U	U	0.49 J	U	U	U	U	U
1,4-dioxane	U	U	U	U	U	U	U	U	U	13 JD
2,2,4-trimethylpentane	300	31	33	7.9	9.5	10	2.8	3.9	0.17 J	U
4-ethyltoluene	U	0.75	U	U	0.36 J	U	U	0.1 J	U	U
4-isopropyltoluene	NA	NA	NA	U	U	U	U	U	U	2.7 D
acetone	180	5.1	U	1.2 J	56	110	4.3 J	14	17	58 D
benzene	1.9	0.81	U	U	0.51 J	0.72 J	0.47 J	0.42 J	0.61 J	0.38 JD
carbon disulfide	6.9	0.79	U	U	0.70 J	U	U	1.7	4.4	U
carbon tetrachloride	U	U	U	0.48 J	0.44 J	0.45 J	0.37 J	1.45 J	1 J	U
chloroethane	U	U	U	U	U	U	U	U	0.19 J	U
chloroform	59	8.1	7.8	1.6	2.8	U	1.2	0.67 J	2.5	U
chloromethane	U	U	U	U	0.45 J	0.59 J	0.24 J	U	1.5	0.48 J
cis-1,2-dichloroethene	17	4.5	3.0	0.56 J	1.6	U	1	0.36 J	1.2 M	0.63 J
cumene	NA	NA	NA	U	U	U	U	0.25 J	U	U
cyclohexane	180	28	U	U	4.4	7.6	U	0.24 J	U	U
ethylbenzene	5.9	2.9	1.7	0.30 J	1.1 J	U	0.41 J	0.19 J	0.29 J	U
freon 11 (trichlorofluoromethane)	1.4	1.8	1.5	1.4	1.4 J	1.5 J	1.1	1.5	2.6	1 J
freon 113 (freon TF)	0.78 J	0.78 J	U	0.52 J	0.62 J	0.73 J	0.52 J	0.66 J	1.1 J	U
freon 12 (dichlorodifluoromethane)	2.4	2.7	U	2.5	2.3 J	3.3 J	2.3 J	3	5	2 J
freon 22	NA	NA	NA	U	U	1.3 J	U	1 J	2.3	0.84 J
heptane	130	30	26	3.1	2.5	10	0.15 J	U	U	U
hexane	150	13	U	1.5	5.4	22	0.20 J	U	0.24 J	U
isopropyl alcohol	U	U	U	U	9.6 J	6.8 J	3.9 J	1.5 J	1.1 J	U
m,p-xylene (sum of isomers)	16	6.3	6.0	0.98 J	3.3	1 J	1.5 J	0.41 J	0.87 J	U
methyl ethyl ketone	20	U	U	0.27 J	5.3 B	2.3 J	0.66 J	3.7	3.3	4.4
methylene chloride	1.4	U	U	0.54 J	2.0 J	U	0.55 J	U	0.73 JM	U
naphthalene	U	U	U	U	2.3 J	U	0.56 J	U	0.18 J	U
n-butane	NA	NA	NA	2.8	13	2.8	U	3.6	1.1 JM	0.62 J
n-Propylbenzene	NA	NA	NA	U	U	U	U	0.65 J	U	U
o-xylene	6.5	3.4	1.9	0.30 J	1.3 J	0.4 J	0.47 J	0.13 J	0.28 J	U
styrene	U	U	U	U	0.48 J	U	0.14 J	U	U	U
tert-butyl alcohol	NA	NA	NA	U	1.0 J	U	U	U	0.46 J	U
tetrachloroethylene (pce)	250	52	72	11	22	6.6	11	5	6.1	1.2 J
tetrahydrofuran	510	U	U	U	2.6 J	U	U	0.62 J	U	U
toluene	5.6	3.4	3.8	0.44 J	9.5	0.97 J	1.6	0.27 J	0.89	U
trichloroethylene (tce)	3500	520	740	140	250	93	130	72	140	80
vinyl chloride	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
D - The reported value is from a dilution
M - Lab qualifier for manual integrated compound
NA- Not Available
µg/m^3: microgram per cubic meter.
B - Analytes detected in the trip blank.

ATTACHMENT 3
FIGURE 2-2 AND FIGURE 3-2 FROM THE 2024 ANNUAL PERFORMANCE MONITORING REPORT, ON-BASE GROUNDWATER REMEDIATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

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Notes:
DCE - dichloroethene
MC - methylene chloride
MTBE - methyl tert-butyl ether
TCE - trichloroethene
VC - vinyl chloride
0.5 U / 0.5 U - normal/field duplicate sample result
µg/L - micrograms per liter
U - not detected; reported to the Limit of Detection
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQ S/GV criteria
Italicized analytical values are non-detect results where the limit of detection exceeds NYSDEC AWQ S/GV
NYSDEC AWQ S/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)
*782VMW-105B not sampled in 2024; plume extents based on historical results.

Analyte	NYSDEC AWQ S/GV (µg/L)
TCE	5
cis-1,2-DCE	5
VC	2
Benzene	1
MTBE	10
MC	5

782VMW-121	
Analyte	Result (µg/L)
TCE	0.5 U
cis-1,2-DCE	0.5 U
VC	**16.7**

782VMW-101	
Analyte	Result (µg/L)
TCE	0.5 U
cis-1,2-DCE	0.5 U
VC	**1.3**

782SW-115	
Analyte	Result (µg/L)
TCE	0.5 U
cis-1,2-DCE	0.5 U
VC	0.5 U

782VMW-81	
Analyte	Result (µg/L)
TCE	0.5 U / 0.5 U
cis-1,2-DCE	**25.2 / 26.7**
VC	**5.4 / 5.8**

AP2MW-3	
Analyte	Result (µg/L)
TCE	1.3 U
cis-1,2-DCE	1.3 U
VC	1.3 U
Benzene	**167**
MTBE	**4.8**
MC	*10 U*

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

0 125 250 500 Feet

Legend:
- Performance Sampling Location
- Monitoring Well Location
- Surface Water Sample Location
- Approximate cis-1,2-DCE Isocontour (5 µg/L)
- Approximate VC Isocontour (2 µg/L)
- Approximate TCE Isocontour (5 µg/L)
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Horizontal Well Screen (Below Ground)
- Horizontal Well Piping (Aboveground)
- Horizontal Well Piping (Below Ground)
- Approximate Direction of Groundwater Flow

Service Layer Credits: NYS ITS Geospatial Services, Westchester County GIS

SD052-01 Apron 2 Chlorinated Plume (September 2024)

Figure 2-2

2024 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM
DATE: 8/21/2025
SCALE: As Shown
PROJECT NO: MSC2021.0012. 3008.0002

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Analyte	NYSDEC AWQS/GV (µg/L)
TCE	5

Notes:
TCE - trichloroethene
16.3 / 16.3 - normal/field duplicate sample result
µg/L - micrograms per liter
Bold analytical results indicate detection
Red analytical results exceed NYSDEC AWQS/GV criteria
NYSDEC AWQS/GV - New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Table 1 New York State Ambient Water Quality Standards and Guidance Values (June 1998), Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 (April 2000)

775VMW-4	
Analyte	Result (µg/L)
TCE	7.7

775VMW-5	
Analyte	Result (µg/L)
TCE	16.3 / 16.3

775MW-6	
Analyte	Result (µg/L)
TCE	27.5

775VMW-9	
Analyte	Result (µg/L)
TCE	32.8

775VMW-10	
Analyte	Result (µg/L)
TCE	3.7

775-MW20	
Analyte	Result (µg/L)
TCE	6.5

775VMW-8	
Analyte	Result (µg/L)
TCE	22.9

775VMW-20R	
Analyte	Result (µg/L)
TCE	0.5 U

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

0 75 150 300 Feet

Legend:
- Performance Sampling Location
- Monitoring Well Location
- Injection Well Location
- Approximate TCE Isocontour (5 µg/L)
- Installation Restoration Program Area
- 5657 Building Number
- 0781 Demolished Building Location
- Approximate Direction of Groundwater Flow

Service Layer Credits: NYS ITS Geospatial Services, Westchester County GIS

SD052-02 Building 775 TCE Plume (September 2024)

Figure 3-2

2024 Annual Performance Monitoring Report
On-Base Groundwater Remediation
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM
DATE: 7/30/2025
SCALE: As Shown
PROJECT NO: MSC2021.0012.3008.0002

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